GET ACCESS TO THE INDUSTRY'S BEST SELECTION OF DIAMOND, ABRASIVE, AND EQUIPMENT FOR CONSTRUCTION

On-Line Navigation

For more comprehensive product information and application solutions, visit our websites. We continually update our e-catalog content with most current information. And our online tools provide more opportunity for deeper detail, in terms of: customer testimonials, access to replacement manuals and parts, video support, archived document center, warranty forms, and much more.

www.**nortonconstructionproducts**.com
AND www.**nortonprodiamond**.com



For additional items not included in this catalog, please refer to our market-based catalogs online for availability information. Norton Welding and Metal Fabrication #7364

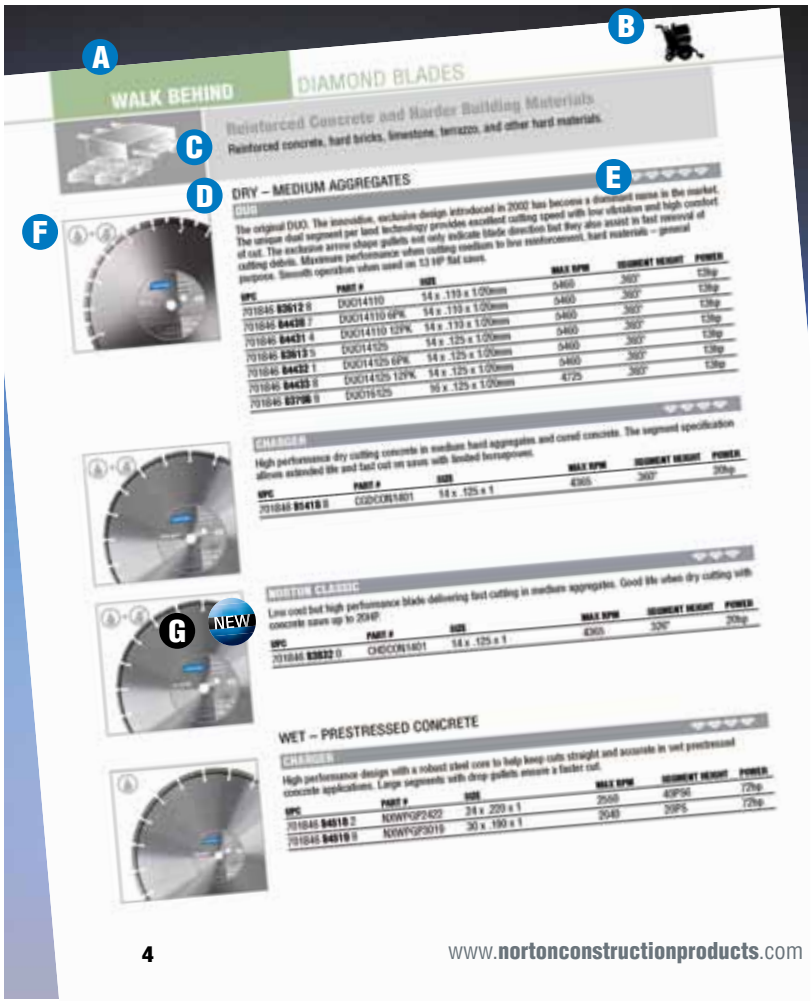


Catalog Navigation

This fully revamped printed catalog is a great starting resource for Norton / Clipper product availability. An easy to follow page guide answers the five key questions of product selection and quickly focuses the user to find what is needed.

Easy to Follow Page Guide

- **A** Category section tabs
- **B** Universal machine icon
- **C** Large application banner
- **D** Blade type
- **E** Performance quality tier
- **F** Wet/Dry symbols
- **G** What's new





Self-Selling Packaging

Answers Five Key Questions

1 How Deep is the Cut?
Blade Size

Prominent blade diameter and bore (hole) size to ensure the size is correct for your machine.

2 What Are You Cutting?
Application Color

Color-coded by material to be cut.
See application chart on package.

3 Is the Application
Wet or Dry?

Wet symbol | Dry symbol

4 How Much Horsepower is Needed?
Machine Pictogram

Identifies machines that can be used.

5 How Big is the Job?
Performance Quality

Product name and diamond tier rating scale.
See performance chart on package.





DIAMOND PERFORMANCE TIERING

Innovation
Best Performance

Premium
High Performance

Quality and Value
Consistent Performance

RIM TYPES OF DIAMOND BLADES



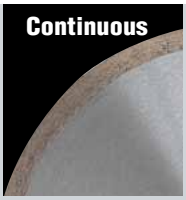
Segmented

- Most aggressive cutting action for widest variety of materials.
- Typically used on high-speed, walk-behind and masonry saw blades.



Turbo

- Aggressive cutting action with a smoother cut.
- For use on harder materials such as granite, marble and stone, to reduce chipping.



Continuous

- Provides the smoothest of cuts.
- For use on porcelain, ceramic tile, marble and other hard materials requiring a high quality cut.

PERFORMANCE KEY

●● **Recommended**
Ideally suited for this application

● **Acceptable**
Either the blade life or cutting speed could be affected

							VERY HARD						HARD					MEDIUM						SOFT					METAL		
							HARD REFRACTORY	GRANITE	PORCELAIN TILE	MARBLE	SLATE	CERAMIC TILE	MEDIUM HARD REFRACTORY	HARD BRICK / PAVERS	PRECAST CONCRETE/PIPE	HARD CONCRETE	REINFORCED CONCRETE	CURED CONCRETE	CONCRETE PIPE / CURBS	MEDIUM BRICK	SOFT BRICK	CONCRETE PAVERS	LIMESTONE	BLOCK	GREEN CONCRETE	ASPHALT OVER CONCRETE	ASPHALT	MORTAR	DUCTILE IRON PIPE	REBAR NO. 5	ANGLE IRON UP TO 1/2"
MACHINE	PART #	SIZE	DESCRIPTION	WET/DRY	HP	STK																									
	DUO EVO	12 -16	DUO EVO - HARD MATERIALS	WET/DRY		Y	●●	●●		●●	●●	●●	●●	●●	●●	●●	●●	●	●	●	●	●	●	●	●	●	●					
	DUO	12 - 16	DUO - GENERAL PURPOSE	WET/DRY		Y		●	●	●	●●	●		●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	●	●					
	SIL	12 - 14	SILENCIO - SILENT TECHNOLOGY	WET/DRY		Y		●	●	●	●●	●		●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	●	●					
	DUOASP	12 -16	DUO - ASPHALT	WET/DRY		Y																				●	●●					
	DUOABR	14	DUO - ABRASIVE MATERIALS	WET/DRY		Y																●	●	●●	●●	●●	●●	●●				
	CGDASP	12 -14	CHARGER - ABRASIVE MATERIALS	WET/DRY		Y																●	●	●●	●●	●●	●●	●●				
	CHDASP	12 -16	NORTON CLASSIC - ABRASIVE MATERIALS	WET/DRY		Y																●	●	●●	●●	●●	●●	●				
	COHSABR	14	NORTON CLASSIC - ABRASIVE MATERIALS	WET/DRY		Y																		●●	●●	●●	●●	●●				
	4X4	12 -14	4X4 - ALL MATERIALS	WET/DRY		Y						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●●	●●	●●
	CGHSDC	12 -14	DUCTILE RUNNER - DUCTILE IRON PIPE	WET/DRY		Y											●	●	●	●	●	●	●	●	●				●●	●	●
	AEROHS	12 - 14	AEROJET - NATURAL STONE	WET/DRY		Y		●●	●●	●●	●●	●●		●●	●●	●●	●●	●	●	●	●											
	CGHSGP	12 -16	CHARGER - GENERAL PURPOSE	WET/DRY		Y								●	●	●●	●●	●●	●●	●●	●●	●●	●●	●								
	COHSGP	12 - 14	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY		Y											●	●	●●	●●	●●	●●	●●	●								
	VPSSHSGP	14	VALUPLUS - GENERAL PURPOSE	WET/DRY		Y												●	●	●	●●	●●	●●									
	VPHSGP	12 - 14	VALUPLUS - GENERAL PURPOSE	WET/DRY		Y												●	●	●	●●	●●	●●									
	CGHSTS	12 - 14	CHARGER - TURBO SEGMENTED	WET/DRY		Y											●	●	●●	●●	●●	●●	●●	●								
	COTURB	12 - 14	NORTON CLASSIC - TURBO	WET/DRY		Y											●	●	●●	●●	●●	●●	●●	●								
	CGDRGP	14	CHARGER - GENERAL PURPOSE	WET/DRY		Y								●	●	●●	●●	●●	●●	●●	●●	●●	●●	●								
	NXHSRR	12 -14	RESCUE RUNNER - RESCUE, DEMOLITION	WET/DRY		Y								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	SILW	14	SILENCIO-SILENT TECHNOLOGY	WET/DRY	UP TO 35	Y								●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●								
	CGWCHD	14 - 36	CHARGER-CURED CONCRETE (HARD AGGREGATES)	WET	UP TO 35	Y									●	●●	●●	●														
	DUOEVO	12 - 16	DUO EVO - HARD MATERIALS	WET/DRY	UP TO 13	Y							●●	●●	●●	●●	●●	●	●	●	●	●	●	●	●	●	●	●				
	NXWCHD	12 - 36	NORMAL-CURED CONCRETE (HARD AGGREGATES)	WET	UP TO 72	NS										●	●●	●														
	NXWCMD	12 - 36	NORMAL - CURED CONCRETE (MED. AGGREGATES)	WET	UP TO 72	NS											●	●●														
	CGWCMD	12 - 36	CHARGER - CURED CONCRETE (MED. AGGREGATES)	WET	UP TO 35	Y											●	●●														
	NORDS	20 - 48	CHARGER - CURED CONCRETE (MED. AGGREGATES)	WET	UP TO 72	Y											●	●●														
	CHWCGP	12 - 30	NORTON CLASSIC - CURED CONCRETE	WET	UP TO 35	Y											●	●●														
	DUO	12 - 14	DUO - GENERAL PURPOSE	WET/DRY	UP TO 13	Y								●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●	●	●					
	CGDCON	12 -14	CHARGER - CURED CONCRETE	WET/DRY	UP TO 20	Y											●	●●														
	CHDCON	14	NORTON CLASSIC - CURED CONCRETE	WET/DRY	UP TO 20	Y											●	●●														
	NXWPGP	24 - 30	CHARGER - PRESTRESSED CONCRETE	WET	UP TO 72	Y											●	●●							●	●●	●					
	NXWASP	12 - 36	NORMAL - ASPHALT	WET	UP TO 72	NS																			●	●	●●					
	CGWASP	14 - 36	CHARGER - ASPHALT	WET	UP TO 35	Y																			●	●	●●					
	CHWASP	12 - 30	NORTON CLASSIC - ASPHALT	WET	UP TO 35	Y																			●	●	●●					
	DUOASP	12 -16	DUO - ASPHALT	WET/DRY	UP TO 20	Y																			●	●	●●					
	DUOABR	14	DUO ABRASIVE - ABRASIVE MATERIALS	WET/DRY	UP TO 20	Y																		●●	●●	●●	●●					
	CGDASP	12 -14	CHARGER - ASPHALT	WET/DRY	UP TO 20	Y																			●	●	●●					
	CHDASP	12 - 16	NORTON CLASSIC - ASPHALT	WET/DRY	UP TO 20	Y																			●	●	●●					
	COHSABR	14	NORTON CLASSIC - ASPHALT	WET/DRY	UP TO 20	Y																		●	●	●●						
	CHWGGP	12 -18	NORTON CLASSIC - GREEN CONCRETE	WET	UP TO 35	Y																			●●	●	●					
	GMAX	6	GMAX - GREEN CONCRETE	DRY	4.3	Y																			●●							
	GMAX	8	GMAX - GREEN CONCRETE	DRY	6																				●●							
	GMAX	10	GMAX - GREEN CONCRETE	DRY	13																				●●							
	GMAX	13.5	GMAX - GREEN CONCRETE	DRY	23																				●●							
	CGDGRN	12 - 16	CHARGER - GREEN CONCRETE	WET/DRY	UP TO 20	Y																		●	●●	●	●					
	NXWAOC	14 - 24	NORMAL - ASPHALT OVER CONCRETE	WET	UP TO 72	NS																			●	●●	●					
	CGWAOC	14 - 36	CHARGER - ASPHALT OVER CONCRETE	WET	UP TO 35	Y																			●	●●	●					
	CHWAOC	14 - 18	NORTON CLASSIC - ASPHALT OVER CONCRETE	WET	UP TO 35	Y																			●	●●	●					
	CGHSGP	12 - 14	CHARGER - GENERAL PURPOSE	WET/DRY	UP TO 20	Y								●	●	●●	●●	●●	●●	●●	●●	●●	●●	●								
	COHSGP	12 - 14	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY	UP TO 20	Y											●	●●	●●	●●	●●	●●	●●	●								
	VPSSHSGP	14	VALUPLUS - GENERAL PURPOSE	WET/DRY	UP TO 13	Y												●	●	●	●●	●●	●●									
	VPSHSGP	12 - 14	VALUPLUS - GENERAL PURPOSE	WET/DRY	UP TO 13	Y												●	●	●	●●	●●	●●									
	4X4	14	4X4 - ALL MATERIALS	WET/DRY	UP TO 13	Y						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				

MACHINE	PART #	SIZE	DESCRIPTION	WET/DRY	HP	STK	VERY HARD: HARD REFRACTORY	VERY HARD: GRANITE	VERY HARD: PORCELAIN TILE	VERY HARD: MARBLE	VERY HARD: SLATE	VERY HARD: CERAMIC TILE	HARD: MEDIUM HARD REFRACTORY	HARD: HARD BRICK/ PAVERS	HARD: PRECAST CONCRETE/PIPE	HARD: HARD CONCRETE	HARD: REINFORCED CONCRETE	MEDIUM: CURED CONCRETE	MEDIUM: CONCRETE PIPE / CURBS	MEDIUM: MEDIUM BRICK	MEDIUM: SOFT BRICK	MEDIUM: CONCRETE PAVERS	MEDIUM: LIMESTONE	SOFT: BLOCK	SOFT: GREEN CONCRETE	SOFT: ASPHALT OVER CONCRETE	SOFT: ASPHALT	SOFT: MORTAR	METAL: DUCTILE IRON PIPE	METAL: REBAR NO. 5	METAL: ANGLE IRON UP TO 1/2"
	SILMBR	14 - 20	SILENCIO - SILENT TECHNOLOGY	WET	Y																										
	CGWMBR	14 - 20	CHARGER - BRICK	WET	Y																										
	DUOEVO	12 - 16	DUO EVO - HARD MATERIALS	WET/DRY	Y																										
	DUO	12 - 14	DUO - GENERAL PURPOSE	WET/DRY	Y																										
	CGDMBR	14 - 21	CHARGER - BRICK	WET/DRY	Y																										
	CHDMBR	14 - 20	NORTON CLASSIC - BRICK	WET/DRY	Y																										
	CGWMGP	14 - 20	CHARGER - COMBO	WET	Y																										
	CHWMGP	14 - 20	NORTON CLASSIC - COMBO	WET	Y																										
	DUODMGP	14	DUO SEMI SILENT CORE	WET/DRY	Y																										
	CGDMGP	14 - 20	CHARGER - COMBO	WET/DRY	Y																										
	CODMGP	20	NORTON CLASSIC - COMBO CORE	WET/DRY	Y																										
	CGHSTS	12 - 14	CHARGER - GENERAL PURPOSE	WET/DRY	Y																										
	COTURB	12 - 14	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY	Y																										
	CGDMBL	14 - 21	CHARGER - BLOCK	WET/DRY	Y																										
	CHDMBL	14 - 20	NORTON CLASSIC - BLOCK	WET/DRY																											
	CODMBR	20	NORTON CLASSIC - ABRASIVE MATERIALS	WET/DRY	Y																										
	NXSLC	14	SLICER - TILE	WET	Y																										
	NXWRHD	14 - 20	CHARGER - HARD REFRACTORY	WET	Y																										
	CGWRGP	14 - 20	CHARGER - MED. HARD REFRACTORY	WET	Y																										
	AEROHS	12 - 14	AERO-JET - NATURAL STONE	WET/DRY	Y																										
	4X4	14	4X4 - ALL MATERIALS	WET/DRY	Y																										
	NXSLC	7-14	SLICER - TILE	WET	Y																										
	SLSGLS	7	SLICER - GLASS	WET	Y																										
	CONWT	7 -10	NORTON CLASSIC - TILE	WET	Y																										
	SLSMAR	4.5 - 7	SLICER - MARBLE	WET/DRY	Y																										
	CONDT	4 - 7	NORTON CLASSIC - TILE	WET/DRY	Y																										
	VPDT	4 - 7	VALUPLUS - TILE	WET/DRY	Y																										
	AERO	12 - 14	AERO-JET TURBO - NATURAL STONE	WET/DRY	Y																										
	SLSTURBFL	4.5 - 5	SLICER FLUSH - TILE	WET/DRY	Y																										
	SLSTURB	4.5 - 5	SLICER - NATURAL STONE	WET/DRY	Y																										
	CGDSEG	10	CHARGER - GENERAL PURPOSE	WET/DRY	Y																										
	CODSEG	10	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY	Y																										
	CGTURB	7 - 8	CHARGER - GENERAL PURPOSE	WET/DRY	Y																										
	COTURB	7 - 10	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY	Y																										
	VPTURB	7	VALUPLUS - NATURAL STONE	WET/DRY	Y																										
	DUO	4.5 - 7	DUO - GENERAL PURPOSE	WET/DRY	Y																										
	CGDSEG	4 - 10	CHARGER - GENERAL PURPOSE	WET/DRY	Y																										
	CODSEG	4 - 10	NORTON CLASSIC - GENERAL PURPOSE	WET/DRY	Y																										
	VPSEG	4 - 7	VALUPLUS - GENERAL PURPOSE	WET/DRY	Y																										
	CGTURB	4 - 8	CHARGER - TURBO	WET/DRY	Y																										
	COTURB	4 - 10	NORTON CLASSIC - TURBO	WET/DRY	Y																										
	VPTURB	4 - 7	VALUPLUS - GENERAL PURPOSE	WET/DRY	Y																										
	AERO	4 - 10	AERO-JET - NATURAL STONE	WET/DRY	Y																										
	SLSTURBFL	4-1/2 - 5	SLICER TURBO FLUSH CUTTING - NATURAL STONE	WET/DRY	Y																										
	SLSTURB	4-1/2 - 5	SLICER TURBO - NATURAL STONE	WET/DRY	Y																										
	SLSMAR	4-1/2 - 7	SLICER - MARBLE	WET/DRY	Y																										
	COTURB	4 - 10	NORTON CLASSIC - TILE	WET/DRY	Y																										
	VPDT	4 - 7	VALUPLUS - TILE	WET/DRY	Y																										
	CGTUCK	4 - 4.5	CHARGER - TUCK POINTER	WET/DRY	Y																										
	CHTUCK	4 - 8	NORTON CLASSIC - TUCK POINTER	WET/DRY	Y																										
	CONTP	4 - 4.5	VALUPLUS - TUCK POINTER	WET/DRY	Y																										
	CGCC	4 - 7	CHARGER - CRACK CHASER	WET/DRY	Y																										
	CHSCP	4 - 7	NORTON CLASSIC - CUP GRINDER (SINGLE ROW)	WET/DRY	Y																										
	CHDCP	4 - 7	NORTON CLASSIC - CUP GRINDER (DOUBLE ROW)	WET/DRY	Y																										
	CHSWCP	4 - 7	NORTON CLASSIC - SWIRL CUP GRINDER	WET/DRY																											
	CHTURCP	4 - 7	NORTON CLASSIC - TURBO CUP GRINDER	WET/DRY	Y																										
	X3LASER	2-8	X3 - CURED CONCRETE	WET	Y																										
	X5LASER	2-8	X5-CURED CONCRETE	WET	Y																										
	CGBIT	1 - 14	CHARGER - CURED CONCRETE	WET	Y																										
	CHBIT	1 - 14	NORTON CLASSIC - CURED CONCRETE	WET	Y																										
	CGPBIT	1 - 14	CHARGER - PRESTRESSED CONCRETE	WET	Y																										
	CGABIT	2 - 6	CHARGER - ASPHALT	WET	Y																										
	CGDBIT	1 - 6	CHARGER - DRY DRILLING	DRY	Y																										



HIGH-SPEED HAND SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	MAX. SPEED (RPM)
12"	4"	6,300
14"	5"	5,460
16"	6"	4,500



CONCRETE SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
7"	1-1/2"	5,184	8,730
8"	2"	4,536	7,640
12"	3-5/8"	3,024	5,095
14"	4-5/8"	2,592	4,365
16"	5-5/8"	2,268	3,820
18"	6-5/8"	2,016	3,395
20"	7-5/8"	1,814	3,055
24"	9-5/8"	1,512	2,550
26"	10-5/8"	1,396	2,350
30"	11-3/4"	1,120	2,040
36"	14-3/4"	1,008	1,700
42"	17-1/2"	864	1,455
48"	19-3/4"	756	1,275

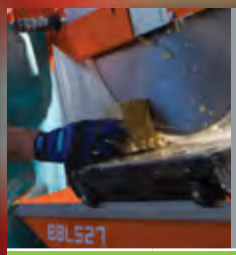


ABRASIVE BLADES AND WHEELS

Maximum Recommended Operating Speeds

BLADE DIAMETER	TYPE 1 CUT-OFF WHEELS	HIGH-SPEED BLADES	TYPE 27 AND 28 WHEELS	TYPE 11 CUP WHEELS
4"	19,000		15,000	9,050
4-1/2"	13,300		13,300	
5"	12,000		12,000	7,255
6"	10,000		10,000	6,050
7"	8,600		8,600	
8"	7,500			
9"	6,800	6,800	6,800	
10"	6,110			
12'	5,095	6,300		
14"	4,365	5,400		
16"	3,820	4,500		
18"	3,395			

NOTE: *Diamond blade cutting depths listed are approximate. Actual cutting depth will vary with the exact blade diameter or saw type, or the exact diameter of the blade flanges. Cutting depth will also be reduced if saw components extend below the blade flanges.*



MASONRY BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
14"	5"	2,592	4,365
18"	7"	2,016	3,395
20"	8"	1,814	3,055
24"	10"	1,512	2,550



TILE SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAXI. SPEED (RPM)
4"	3/4"	9,072	15,000
4-1/2"	1"	8,063	13,300
5"	1-1/4"	7,257	12,000
6"	1-3/4"	6,048	10,185
7"	2-1/4"	5,184	8,730
8"	2-3/4"	4,536	7,640
9"	3-1/4"	4,032	6,790
10"	3-3/4"	3,629	6,115



CORE BITS

Minimum and Maximum Recommended Operating Speeds

BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
26"	90	125	150
30"	80	105	130
32"	75	100	125
34"	70	95	120
36"	65	85	110
40"	60	80	100
42"	55	75	95

Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

REINFORCED CUT-OFF WHEELS

GEMINI ASPHALT - HP

Hot pressed (HP) for higher horsepower machine applications where additional durability is needed.

UPC	SIZE	MAX RPM	STD PKG
701846 **70100** 6	14 x 3/16 x 1	4365	10
701846 **70099** 3	14 x 1/4 x 1	4365	5
701846 **70103** 7	18 x 1/4 x 1	4250	5
701846 **48998** 0	18 x 3/8 x 1	4250	5



GEMINI ASPHALT - CP

Cold pressed (CP) for lower horsepower machines, which need a free-cutting wheel.

UPC	SIZE	MAX RPM	STD PKG
701846 **80324** 3	14 x 3/16 x 1	4365	10
701846 **70535** 6	14 x 1/4 x 1	4365	5
701846 **70098** 6	18 x 1/4 x 1	4250	5



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE

Silicon carbide specification for brick, block, concrete, and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
701846 **80323** 6	14 x 3/16 x 1	4365	10
701846 **70533** 2	14 x 1/4 x 1	4365	5



GMAX
DIAMOND BLADES

Designed with a thicker core that resists flexing and provides a straighter cut with less spalling, GMAX makes quick work of early entry/green concrete cutting. The anchor slot gullets reduce vibration for less chipping. And, the exclusive universal arbor adapts to all models.



Anchor Slot Gullet Technology
Increases productivity by reducing vibration, for a smoother cut, while keeping the blade cool and extending life.



Thicker Core
Resists flexing and provides a straighter and faster cut for less spalling.



Exclusive Universal Arbor
Allows the GMAX blade to be used on most early entry/green concrete saws.

Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *EARLY ENTRY*

Having the right blade for green concrete cutting is essential to getting the smoothest cut without spalling. The GMAX diamond blade series with its anchor slot gullet technology reduces vibration that results in chipping and irregular cut patterns. A thick core, special bond and diamond combination allows the blade to cut faster on most all saws, with perfection. Available in three different matrixes to reduce your time on the job in any aggregate type.

GMAX – HARD AGGREGATE



Offers the best friability of diamond to ensure the operator maintains a smooth cut in the hardest materials, like flint and chert.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41868** 3	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41863** 8	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41860** 7	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41869** 0	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

GMAX – MEDIUM/HARD AGGREGATE



For non-to-medium abrasive sand, granite and quartz type materials. The high-quality bond and diamond configuration, along with the core features of the red specification, ensures a smooth, flawless cut.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41867** 6	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41864** 5	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41862** 1	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41870** 6	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

GMAX – MEDIUM/SOFT AGGREGATE



The yellow segment specification makes early entry cutting easy in limestone, granite and other softer aggregate mixtures.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41866** 9	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41865** 2	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41861** 4	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41871** 3	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

DRY – *GREEN/CURED CONCRETE*

GMAX – MULTI-PURPOSE



Designed specifically for our GC55/GC25E down-cut green concrete push saw, the GMAX Multi-Purpose blade is excellent in both green and cured concrete. The unique segment specification and anchor slot gullet allows this blade to be used in a variety of applications with outstanding results.

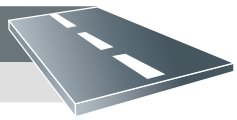
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **83758** 3	NXDGRN0895	8 x .095 x 7/8-5/8	8730	.295"	6hp
701846 **75125** 4	EE9110	9 x .110 x 7/8-5/8	6600	.295"	6hp
701846 **84508** 3	EE10110	10 x .110 x 1-7/8-5/8	6115	.295"	6hp



For precision green cutting, use the GMAX line of early entry blades, up to 10", on the **Norton Clipper GC55** push saw.

See page 54 for details.

Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – *ASPHALT OVER CONCRETE*

CHARGER

Manufactured for asphalt over concrete and other abrasive materials cutting. Designed to run efficiently on flat saws up to 35 HP while producing an even clean cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81485** 0	CGWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 **81486** 7	CGWAOC1812	18 x .125 x 1	3395	.326"	35hp
701846 **81487** 4	CGWAOC2415	24 x .155 x 1	2550	.326"	35hp
701846 **83395** 0	CGWAOC2617	26 x .175 x 1	2350	.326"	35hp
701846 **83396** 7	CGWAOC3018	30 x .187 x 1	2040	.326"	35hp
701846 **83397** 4	CGWAOC3618	36 x .187 x 1	1700	.326"	35hp



NORTON CLASSIC

Lower cost but high performance blade ideal for general purpose cutting in asphalt over concrete applications on low horse power saws. Tailored with undercut protection to retard segment wear for maximum debris removal.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81482** 9	CHWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 **81483** 6	CHWAOC1812	18 x .125 x 1	3395	.326"	35hp



DRY – *CRACK CHASING*

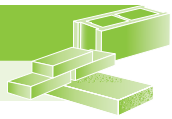
CHARGER

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83856** 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 **83859** 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"



General Purpose and Masonry Building Materials



Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *GENERAL PURPOSE*

CHARGER

A high performance, laser welded blade designed with quality segments for cutting concrete and medium hard materials with medium reinforcing. Best blade for smaller saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
076607 **56267** 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.472"	20hp
076607 **01229** 6	CGHSGP1620	16 x .125 x 1/20mm	4725	.472"	20hp



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *GENERAL PURPOSE*

NORTON CLASSIC

The improved bond provides longer life at an economical price in medium hard materials, such as concrete with light to medium reinforcement.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81309** 9	COHSGP1420	14 x .110 x 1/20mm	5460	.393"	20hp
701846 **84268** 6	COHSGP1420P	14 x .125 x 1/20mm	5460	.393"	20hp



VALUPLUS SS

For value and performance on small to medium jobs. Provides fast cutting and the .472" taller sintered super segment (SS) increases blade life. Perfect blade on smaller flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84465** 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"	13hp



VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84181** 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84428** 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"	13hp



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

DRY – *MULTI PURPOSE*

4X4 MAX CUT

Taking high-speed cutting versatility to an all new level. The same standard features as the 4X4 with its anti-crack gullets and patented depth indicators that not only cool the blade but also allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials while excelling in steel. New segment wear indicators give the operator an idea of remaining blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **45927** 3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"	13hp
701846 **45926** 6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"	13hp



4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84548** 9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 **84547** 2	4X414125	14 x .125 x 1/20mm	5460	.393"



a paradigm shift
CUTTING CURED CONCRETE

A unique blend specification increase blade speed and product for optimal performance in multiple flat saw horsepower ranges and aggregate types. No need to stock multiple specs when Norton Paradigm can meet all the needs. And, reduced inventory means cash to the bottom line.





New Bond Technology
Allows for extremely fast cutting; even in the hardest aggregates.



Blade Protection
Standard radius drop segments provides additional undercutting protection extending the life of the blade.



Easy to Get Inventory
Comes in a full range of stock inventory of professional blades to cover most market needs.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *HARD AGGREGATES*

PARADIGM



Paradigm technology combines a unique specification blend that increases blade speed and product life to optimize performance in multiple flat saw horsepower ranges and aggregate types.

UPC	PART #	SIZE	AGGREGATE	SEGMENT HEIGHT	POWER
701846 **46313** RDS	C1170	14 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46314** RDS	C1170	16 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46389**	C2370	16 x .125 x 1	Medium	.460"	48 hp+
701846 **46319** RDS	C1170	18 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46410**	C2570	18 x .155 x 1	Hard	.460"	48 hp+
701846 **46376**	C2170	20 x .155 x 1	Soft	.460"	48 hp+
701846 **46394**	C2370	20 x .155 x 1	Medium	.460"	48 hp+
701846 **46395** RDS	C2370R	24 x .155 x 1	Medium	.460"	48 hp+
701846 **46325** RDS	C1170R	26 x .155 x 1	Soft	.460"	35 - 48hp
701846 **46397** RDS	C2370R	26 x .155 x 1	Medium	.460"	35 - 48hp
701846 **46326** RDS	C1170R	26 x .165 x 1	Soft	.460"	35 - 48hp
701846 **46398** RDS	C2370R	26 x .165 x 1	Medium	.460"	48 hp+
701846 **46384** RDS	C2160R	36 x .187 x 1	Soft	.410"	48 hp+
701846 **46388**	C2370	14 x .125 x 1	Medium	.460"	48 hp+
701846 **46424**	C2680	14 x .125 x 1	Hard	.510"	48 hp+
701846 **46337**	C1370	18 x .125 x 1	Medium	.460"	35 - 48hp
701846 **46374**	C2170	18 x .155 x 1	Soft	.460"	48 hp+
701846 **46392**	C2370	18 x .155 x 1	Medium	.460"	48 hp+
701846 **46430**	C2680HRAS	20 x .155 x 1	Hard	.510"	48 hp+
701846 **46323** RDS	C1170R	24 x .155 x 1	Soft	.460"	35 - 48hp
701846 **47288**	C1370	24 x .175 x 1	Medium	.460"	35 - 48hp
701846 **46361** RDS	C1570R	26 x .155 x 1	Hard	.460"	35 - 48hp
701846 **46382** RDS	C2170R	30 x .165 x 1	Soft	.460"	48 hp+
701846 **46400** RDS	C2370R	30 x .165 x 1	Medium	.460"	48 hp+
701846 **46912** RDS	C3580	30 x .165 x 1	Hard	.510"	66 hp+
701846 **47390** RDS	C2770R	30 x .175 x 1	Medium	.460"	48 hp+
701846 **46402** RDS	C2360R	36 x .187 x 1	Medium	.410"	48 hp+
701846 **46420** RDS	C2560R	36 x .187 x 1	Hard	.410"	48 hp+
701846 **46475** RDS	C3360R	42 x .190 x 1	Medium	.410"	66 hp+
701846 **46386** RDS	C2160R	48 x .190 x 1	Soft	.410"	48 hp+

CHARGER



High performance wet cutting hard aggregates with medium reinforcement. The increased diamond depth in the segment specification allows extended life and fast cut for medium to large jobs. Deep sawing is easily achieved on saws up to 35 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81363** 1	CGWCHD1411	14 x .110 x 1	4365	.410"	35hp
701846 **81365** 5	CGWCHD1412	14 x .125 x 1	4365	.410"	35hp
701846 **81367** 9	CGWCHD1812	18 x .125 x 1	3395	.410"	35hp
701846 **83918** 1	CGWCHD2012	20 x .125 x 1	3055	.410"	35hp
701846 **81467** 6	CGWCHD2415	24 x .155 x 1	2550	.410"	35hp
701846 **83919** 8	CGWCHD2417	24 x .175 x 1	2550	.410"	35hp
701846 **81471** 3	CGWCHD2615	26 x .155 x 1	2350	.410"	35hp
701846 **83920** 4	CGWCHD3017	30 x .175 x 1	2040	.410"	35hp
701846 **83921** 1	CGWCHD3618	36 x .187 x 1	1700	.410"	35hp

DRY – *HARD AGGREGATES*

DUO EVO



The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials. An excellent blade for low horsepower flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84218** 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"	13hp
701846 **84549** 6	DUOEVO16125	16 x .125 x 1	4725	.472"	13hp

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *MEDIUM AGGREGATES*

CHARGER



The steel core is designed to keep the cut straight while the .410" segment height prolongs cutting wear. Suitable for cutting medium aggregates with 35 HP up to 72 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81364** 8	CGWCMD1411	14 x .110 x 1	4365	.410"	35hp
701846 **81366** 2	CGWCMD1412	14 x .125 x 1	4365	.410"	35hp
701846 **83963** 1	CGWCMD1612	16 x .125 x 1	3820	.410"	35hp
701846 **81368** 6	CGWCMD1812	18 x .125 x 1	3395	.410"	35hp
701846 **83965** 5	CGWCMD2012	20 x .125 x 1	3055	.410"	35hp
701846 **81468** 3	CGWCMD2415	24 x .155 x 1	2550	.410"	35hp
701846 **81472** 0	CGWCMD2615	26 x .155 x 1	2350	.410"	35hp
701846 **83969** 3	CGWCMD3618	36 x .187 x 1	1700	.410"	35hp

NORTON CLASSIC



Laser welded blade at an economical price for general purpose cutting of cured concrete, medium hard aggregate and no steel reinforcement. The bond and diamond combination allow fast cutting action on limited horse powered flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81358** 7	CHWCGP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81359** 4	CHWCGP1412	14 x .125 x 1	4365	.326"	35hp
701846 **81360** 0	CHWCGP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81361** 7	CHWCGP1812	18 x .125 x 1	3395	.326"	35hp
701846 **81362** 4	CHWCGP2012	20 x .125 x 1	3055	.326"	35hp
701846 **81465** 2	CHWCGP2415	24 x .155 x 1	2550	.326"	35hp
701846 **83833** 7	CHWCGP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83386** 8	CHWCGP3017	30 x .175 x 1	2040	.326"	35hp

DRY – *MEDIUM AGGREGATES*

DUO



The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to low reinforcement, hard materials – general purpose. Smooth operation when used on 13 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **83612** 8	DUO14110	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **83613** 5	DUO14125	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **83798** 9	DUO16125	16 x .125 x 1/20mm	4725	.393"	13hp

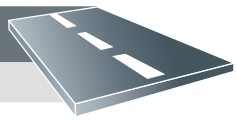
CHARGER



High performance dry cutting concrete in medium hard aggregates and cured concrete. The segment specification allows extended life and fast cut on saws with limited horsepower.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81418** 8	CGDCON1401	14 x .125 x 1	4365	.360"	20hp

Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – *ASPHALT*

CHARGER



For large road and construction jobs with saws up to 35 HP. Higher diamond content increases productivity and offers faster cutting and longer life in asphalt and green concrete applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81477** 5	CGWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81478** 2	CGWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 **83912** 9	CGWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81479** 9	CGWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 **83927** 3	CGWASP2417	24 x .175 x 1	2550	.326"	35hp
701846 **83928** 0	CGWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83929** 7	CGWASP3017	30 x .175 x 1	2040	.326"	35hp
701846 **84024** 8	CGWASP3618	36 x .187 x 1	1700	.326"	35hp

NORTON CLASSIC



An economical choice for fast cutting and good life when performing jobs in a variety of abrasive materials such as green concrete and asphalt on saws up to 35 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84364** 5	CHWASP1225	12 x .250 x 1 Loop Saw	5095	.326"	35hp
701846 **84348** 5	CHWASP1250	12 x .500 x 1 Loop Saw	5095	.326"	35hp
701846 **81374** 7	CHWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81375** 4	CHWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 **83895** 5	CHWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81376** 1	CHWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 **83897** 9	CHWASP2012	20 x .125 x 1	3055	.326"	35hp
701846 **81476** 8	CHWASP2415	24 x .155 x 1	2550	.326"	35hp
701846 **83900** 6	CHWASP2418	24 x .187 x 1	2550	.326"	35hp
701846 **83899** 3	CHWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83903** 7	CHWASP3018	30 x .187 x 1	2040	.326"	35hp

DRY – *ASPHALT*

DUO ASPHALT



Combines the characteristics of original DUO blade with 8 special wear-retardant drop segments that protect against undercutting. Highest performing blade in asphalt and green concrete. Large scoop gullets for faster debris removal increasing cutting speed. The patented stroboscopic indicators help operators control depth of cut and blade rotation. Performance is optimized when cutting with several passes.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84315** 7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"	20hp
701846 **84544** 1	DUOASP16125	16 x .125 x 1/20mm	4725	.393"	20hp

DUO ABRASIVE



Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84292** 1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"	20hp

Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *ASPHALT* (CONTINUED)

CHARGER

High performance dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when dry cutting with 20 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81412** 6	CGDASP1420	14 x .125 x 1/20mm	5460	.288"	20hp



NORTON CLASSIC

Ideal blade for small to medium size jobs with 20 HP saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
076607 **01231** 9	CHDASP1420	14 x .125 x 1/20mm	5460	.263"	20hp
701846 **84429** 1	COHSABR1420	14 x .125 x 1/20mm	5460	.263"	20hp
076607 **01230** 2	CHDASP1620	16 x .125 x 1/20mm	4725	.263"	20hp



WET – *GREEN CONCRETE*

PARADIGM

Green cutting is harsh on the performance of a diamond blade and warrants the highest of quality. Choose from the popular Norton Paradigm series with specification grades to meet the demands of any aggregate mixture.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **43592** RDS	G1160R	14 x .145 x 1	4365	.410"	35hp +
701846 **44152** RDS	G1360R	14 x .190 x 1	4365	.410"	35hp +
701846 **44154** RDS	G1160R	14 x .250 x 1	4365	.410"	35hp +
701846 **44153** RDS	G1360R	14 x .250 x 1	4365	.410"	35hp +
701846 **91929** RDS	G2580R	16 x .145 x 1	3820	.510"	35hp +



NORTON CLASSIC

Ideal blade for yielding a high return on performance to cost ratio. Segments are designed for faster cutting and longer life on smaller flat saws in green concrete.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81473** 7	CHWGGP1212	12 x .125 x 1	5095	.295"	35hp
701846 **81474** 4	CHWGGP1412	14 x .125 x 1	4365	.295"	35hp
701846 **81475** 1	CHWGGP1812	18 x .125 x 1	3395	.295"	35hp



DRY – *GREEN CONCRETE*

CHARGER

A high performance, laser welded blade designed for green concrete cutting. High quality segments produce a clean cut with reduced spalling on larger saws up to 20 HP in early entry applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81419** 5	CGDGRN1201	12 x .125 x 1	5095	.263"	20hp
701846 **81420** 1	CGDGRN1401	14 x .125 x 1	4365	.263"	20hp



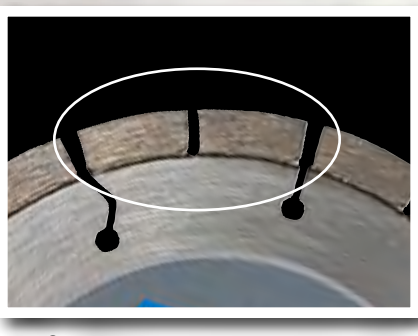
the dynamic duo
A FAMILY OF EVOLUTION

Two is definitely better than one when you can bring twice the performance in cut and life to the job. The split segment design and V-shaped gullets optimize the angle of attack while enhancing particle evacuation. The result is exceptional cutting speed and unprecedented blade life in critically hard materials. It's all about the tools that work harder so you don't have to.

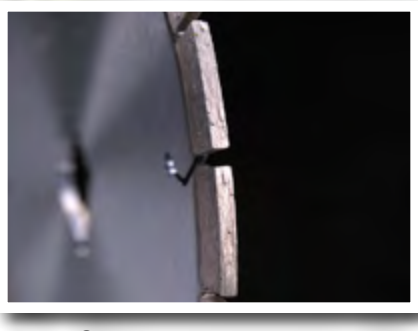




Trapezoidal Segments
Provide low vibration and cutting speed with high comfort of cut.



Two Segments per Land
More gullets, contribute to reducing diamond wear.



Unique Gullets
Improve cooling life and permanent blade direction rotation.

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

DUO



The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting hard materials and fiber cement board.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84526** 7	DUO0450	4-1/2 x .086 x 7/8-5/8-20mm	13300	.393"
701846 **84527** 4	DUO0500	5 x .086 x 7/8-5/8-20mm	12000	.393"
701846 **84129** 8	DUO0700	7 x .098 x DM-7/8-5/8	8730	.393"

CHARGER



High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81505** 5	CGDSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
076607 **04021** 3	CGDSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
701846 **82851** 2	CGDSEG0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
701846 **83820** 7	CGDSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
076607 **04020** 6	CGDSEG0700	7 x .090 x DM-7/8-5/8	8730	.393"
701846 **81513** 0	CGDSEG0800	8 x .090 x DM-7/8-5/8	7640	.393"
701846 **69483** 4	CGDSEG0900	9 x .090 x 7/8-5/8"	6600	.393"

NORTON CLASSIC



The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02791** 7	CODSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **02789** 4	CODSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84463** 5	0450SEG5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84006** 4	CODSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 **02786** 3	CODSEG0700	7 x .090 x DM-7/8-5/8	8730	.315"
701846 **84464** 2	0700SEG5PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS



For value and performance on small to medium size jobs cutting soft abrasive materials like brick and tile. The sintered rim delivers a quality cut and good life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84098** 9	VPSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84099** 6	VPSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84100** 9	VPSEG0700	7 x .090 x DM-7/8-5/8	8730	.275"

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *TURBO RIM*

CHARGER



Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **05475** 3	CGTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.394"
076607 **04023** 7	CGTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.394"
701846 **82853** 6	CGTURB0500	5 x .080 x 7/8-5/8-20mm	12000	.394"
701846 **83821** 4	CGTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.394"
076607 **04022** 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.394"
701846 **81512** 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.394"

NORTON CLASSIC



Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02792** 4	COTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **04018** 3	0400TURBO5PK	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **02790** 0	COTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 **04017** 6	0450TURBO5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 **05344** 2	COMBO Pack	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84011** 8	COTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 **02787** 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"
076607 **04016** 9	0700TURBO5PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS



For value and performance on small to medium size jobs cutting soft brick and tile. The turbo continuous rim cuts fast with a smoother quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84105** 4	VPTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84106** 1	VPTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84107** 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"

Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

DRY – *TURBO RIM*

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

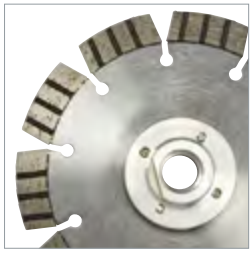
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83778** 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.590"
701846 **83779** 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.590"
701846 **83780** 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.590"
701846 **83781** 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.590"
701846 **83782** 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.590"



SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free edge flush to the counter or edge.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84546** 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.590"
701846 **84545** 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.590"



DRY – *SEGMENTED RIM*

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84528** 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 **84529** 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 **84530** 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



DRY – *CONTINUOUS RIM*

NORTON CLASSIC

An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02793** 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 **01194** 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 **02788** 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"



VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84087** 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84088** 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84089** 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *TUCK POINTING*

CHARGER

High performance dry cutting with an extra wide .250 segment specification that allows thorough cleaning and extended life for mortar or expansion joint repair.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81506** 1	CGTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **81781** 3	CGTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



NORTON CLASSIC

An economical solution for small to medium tuck pointing jobs. High quality performance for heavy grout removal or mortar jointing. The heavy duty wide segment reduces wear in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81776** 9	CHTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **81777** 6	CHTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"
701846 **81778** 3	CHTUCK0500	5 x .250 x 7/8-5/8-20mm	12000	.275"
701846 **81779** 0	CHTUCK0700	7 x .250 x 7/8-5/8-20mm	8730	.275"
701846 **81780** 6	CHTUCK0800	8 x .250 x 7/8-5/8-20mm	7640	.275"



VALUPLUS

A value price point for small to medium size jobs. Cleans grout and motor joints quickly and efficiently with hand-held tools.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84020** 0	CON4TP	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **83862** 7	CON45TP	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

DRY – *CRACK CHASING*

CHARGER

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83856** 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 **83859** 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *CUP GRINDER*

NORTON CLASSIC

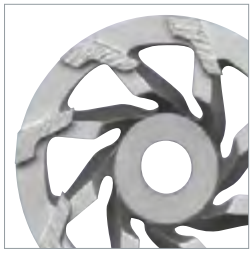
Available in a range of sizes and segment designs for optimum performance by life or by speed. Ideal for levelling all types of masonry materials, brick, block, concrete and stone. Strategically placed hole designs help ventilate dust from the surface to extend the life of the cups.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Single Row for Fast Stock Removal				
701846 **82585** 6	CHSCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846 **84035** 4	CHSCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846 **82594** 8	CHSCPH0700	7 x 7/8-5/8-20mm	8730	.210"
701846 **82555** 9	CHSCPT0400	4 x 5/8"-11	15000	.210"
701846 **84036** 1	CHSCPT0500	5 x 5/8"-11	12225	.210"
701846 **82593** 1	CHSCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Double Row for Long Life, Smooth Finish				
701846 **82588** 7	CHDCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846 **84037** 8	CHDCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846 **82596** 2	CHDCPH0700	7 x 7/8-5/8-20mm	87330	.210"
701846 **82586** 3	CHDCPT0400	4 x 5/8"-11	15000	.210"
701846 **84038** 5	CHDCPT0500	5 x 5/8"-11	12225	.210"
701846 **82595** 5	CHDCPT0700	7 x 5/8"-11	8730	.210"



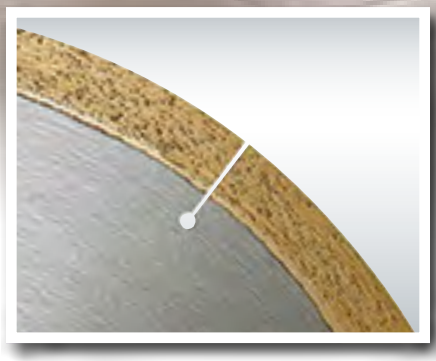
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Swirl for Most Aggressive Cut, Smooth Finish				
701846 **84039** 2	CHSWCPH0500	5 x 7/8-5/8-20mm	12225	.180"
701846 **83825** 2	CHSWCPH0700	7 x 7/8-5/8-20mm	8730	.180"
701846 **83826** 9	CHSWCPT0400	4 x 5/8"-11	15000	.180"
701846 **84040** 8	CHSWCPT0500	5 x 5/8"-11	12225	.180"
701846 **83827** 6	CHSWCPT0700	7 x 5/8"-11	8730	.180"



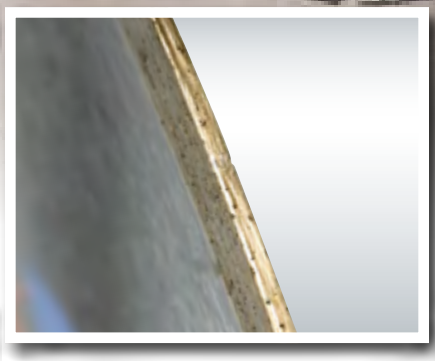
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Turbo for Long Life, Very Smooth Finish				
701846 **83830** 6	CHTURCPT0400	4 x 5/8"-11	15000	.210"
701846 **83831** 3	CHTURCPT0700	7 x 5/8"-11	8730	.210"
701846 **44801** 7	CHTURSB0450	4-1/2" X 5/8-11	15000	.196"
701846 **44802** 4	CHTURSB0700	7 x 5/8"-11	8730	.196"

razor sharp
FOR THE EDGE YOU NEED

To produce razor-like cuts in porcelain or ceramic, marble and granite, the Slicer diamond blade is unbeatable. The high tensile, strengthened steel core blade extends life and speed to provide a clean, crisp, accurate cut. Don't settle, when Slicer can help you achieve exceptional results.



Premium Segment Specification
Special bond for the smoothest cut and finish, ideal for porcelain.



Precision Cuts, Every Time
Razor-thin design reduces loss of material



Thinnest Cuts, Longest Life
Thin, high tensile strength steel core for better accuracy and less wobbling.

Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *CONTINUOUS RIM*

SLICER

Razor-like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84183** 2	NXSLC0700	7 x .060 x 5/8	8730	.393"
701846 **84184** 9	NXSLC0800	8 x .060 x 5/8	7640	.393"
701846 **84185** 6	NXSLC1000	10 x .060 x 5/8	6115	.393"



SLICER GLASS

Utilizes all the core characteristics of the original Slicer and blends in a special bond to allow virtually chip-free cutting time and time again. The ultra thin blade is best suited for cutting glass, it also performs well on critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84533** 5	SLSGLS0700	7 x .060 x 7/8	8730	.393"



NORTON CLASSIC

Excellent quality with good performance in general purpose materials. The right bond and diamond content allows clean cutting with long use. Well suited for softer tile or stone materials on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **01196** 1	CON6WT	6 x .065 x 5/8	10185	.393"
701846 **84017** 0	CON7WT	7 x .065 x 5/8	8730	.393"
076607 **02785** 6	CON8WT	8 x .070 x 5/8	7640	.393"
076607 **02784** 9	CON10WT	10 x .070 x 5/8	6115	.393"



DRY – *CONTINUOUS RIM*

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84528** 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 **84529** 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 **84530** 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



NORTON CLASSIC

An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02793** 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 **01194** 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 **02788** 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

DRY – *CONTINUOUS RIM* (CONTINUED)

VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84087** 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84088** 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84089** 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



DRY – *TURBO RIM*

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83778** 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
701846 **83779** 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
701846 **83780** 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
701846 **83781** 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
701846 **83782** 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"
701846 **83783** 5	AERO1000	10 x .110 x 1-7/8-5/8	6115	.472"



SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free cut, flush to the counter or edge.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84546** 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.472"
701846 **84545** 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.472"





TILE SAW BLADES

Maximum Blade Cutting Depths
and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
4"	3/4"	9,072	15,000
4-1/2"	1"	8,063	13,300
5"	1-1/4"	7,257	12,000
6"	1-3/4"	6,048	10,185
7"	2-1/4"	5,184	8,730
8"	2-3/4"	4,536	7,640
9"	3-1/4"	4,032	6,790
10"	3-3/4"	3,629	6,115

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **04019** 0	CGDSEG1000	10 x .100 x 1-7/8-5/8	6115	.393"



NORTON CLASSIC

The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **01201** 2	CODSEG1000	10 x .100 x 1-7/8-5/8	6115	.275"



DRY – *TURBO RIM*

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **04022** 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.427"
701846 **81512** 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.427"



NORTON CLASSIC

Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02787** 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"
076607 **04016** 9	0700TURBO5PK	7 x .090 x DM-7/8-5/8	8730	.275"
076607 **02780** 1	COTURB1000	10 x .100 x 1-7/8-5/8"	6115	.275"



VALUPLUS

For value and performance on small to medium size jobs cutting soft brick and tile. The sintered turbo continuous rim cuts fast with a smoother quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84107** 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"



NORTON
SAINT-GOBAIN
SILENCIO™

SILENCIO...
SILENCE IS GOLDEN!

Norton Silencio Diamond Blades

The latest generation of technology from Norton. With a laser-welded segment height of .590" and newly developed bond and diamond specification, this blade maximizes cutting performance and product life. The patent-pending silent steel-center has outstanding noise absorbing capabilities. Typical laser-cut steel-center blades provide a noise reduction of approximately 3 dB(A), and the laminated copper sandwich steel-center only slightly more at 6dB(A). The Silencio stands above the industry standard by reaching levels of up to 15 dB(A)!

FEATURES AND BENEFITS

- Specially developed patent pending silent steel-center, cutting edge new vibration-absorbent material for noise reduction of up to 15 dB(A) than the traditional copper sandwich or laser-cut core blades
- Optimized sound-dampening geometry for elimination of the whistle-effect with a blade guard during operation
- A tall .590" laser welded segment results in longer blade life and faster cut
- Trapezoidal segment shape has lower impacts on materials improving quality of cut similar to a continuous rim blade cut.
- Smoother operating for less operator fatigue and better debris removal from cut improving blade life and free cutting
- New diamond and bond specification created for masonry, flat or high speed hand saw applications is extremely fast cutting in a large variety of materials



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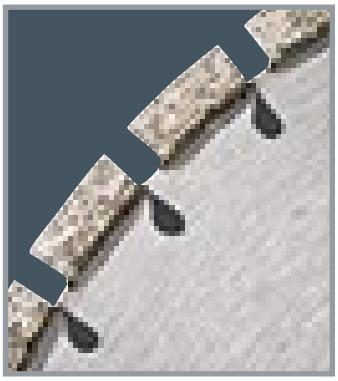
NORTON SAINT-GOBAIN SILENCIO™

DIAMOND BLADES

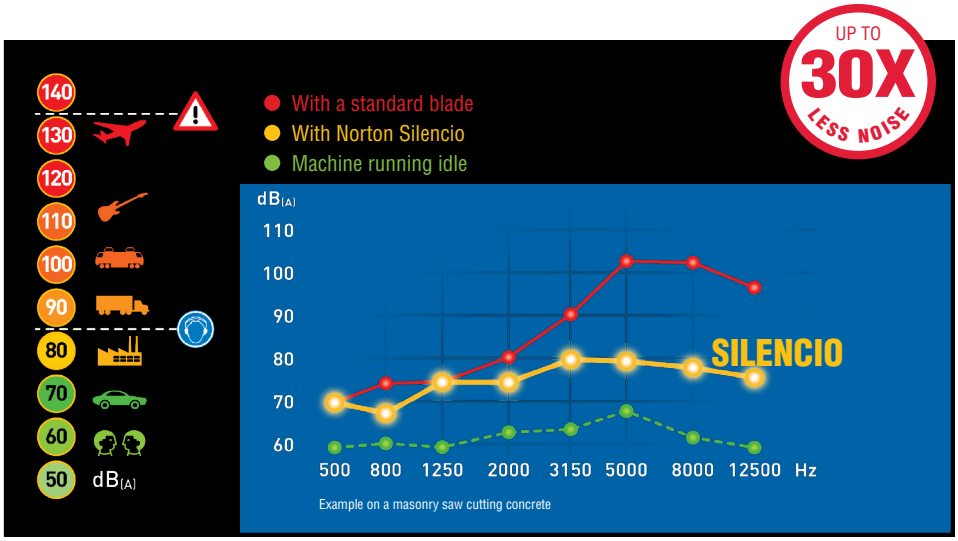
SAFER FOR HIGH TRAFFIC AREAS AND LESS DISRUPTIVE TO WORK LOCATIONS

Residential areas, city centers, schools and hospitals are especially sensitive to noise with more and more local regulations preventing excessive noise levels. The use of a quieter diamond blade is a perfect solution to drastically reduce the sound generated directly at the job site. **The new Norton Silencio provides an unprecedented noise-dampening effect, reaching reductions of up to 15 dB(A).**

Diamond blades generate noise due to the air flowing through the gullets while in operation. **The Silencio has two complementing patent pending dampening technologies.** The oscillation absorbing steel-center and offset gullets are designed to prevent airflow under the blade guard to cancel the whistling noise created by traditional blades. The graph below shows the noise made by an idle running masonry saw, noise generated by a standard diamond blade and then the exceptional performance of the new Norton Silencio!



New offset gullet design reduces cutting noise by as much as 15 dB(A).



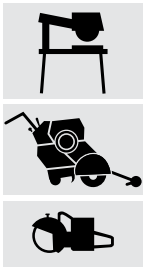
Sound levels are defined by their frequency in Hertz (Hz) and measured in decibels, dB(A) on sonometers. The scale to the right starts a 0 dB(A) level, which is the weakest level the human ear can perceive. A normal conversation is at a 50 dB(A) level and the harmful threshold starts at 85 dB(A). At 120 dB(A), noise can start to cause pain. Continuous exposure at lower levels may take longer but the results are the same, permanent irreversible hearing loss. Attending a rock concert with a 115 dB(A) noise level is the same as a standard diamond blade being used on a masonry, flat or hand held saw.

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THE SILENCIO IS AVAILABLE IN MASONRY, FLAT SAW AND HIGH SPEED CUT-OFF SAW SPECIFICATIONS.

UPC	PART #	SIZE	MAX RPM	SEGMENT SPEC
SILENCIO – MASONRY				
701846 **84534** 2	SILMBR14125	14 x .125 x 1	4365	.590"
701846 **84535** 9	SILMBR20125	20 x .125 x 1	3055	.590"
SILENCIO – FLAT SAW				
701846 **84550** 2	SILW14125	14 x .125 x 1	4365 / 35HP Saw	.590"
SILENCIO – HIGH SPEED				
701846 **84520** 5	SIL12125	12 x .125 x 1	6300	.590"
701846 **84521** 2	SIL14125	14 x .125 x 1	5460	.590"





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RESCUE RUNNER™

MULTI-PURPOSE
DIAMOND BLADE

EMERGENCY MEASURES FOR DISASTERS!

When seconds count, reach for the Norton Rescue Runner. The specially tempered steel core provides maximum durability under the toughest conditions on many materials. A new diamond placement technology allows diamonds to cut in both directions for quick cutting.

- Innovative Norton technologies for multiple cutting applications
- Longer life, faster than conventional abrasive wheels
- Fixed diameter for constant cutting depth
- Reduced spark creation for safer work conditions
- Fewer disc changes means less down time and more time cutting



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RESCUE RUNNER™

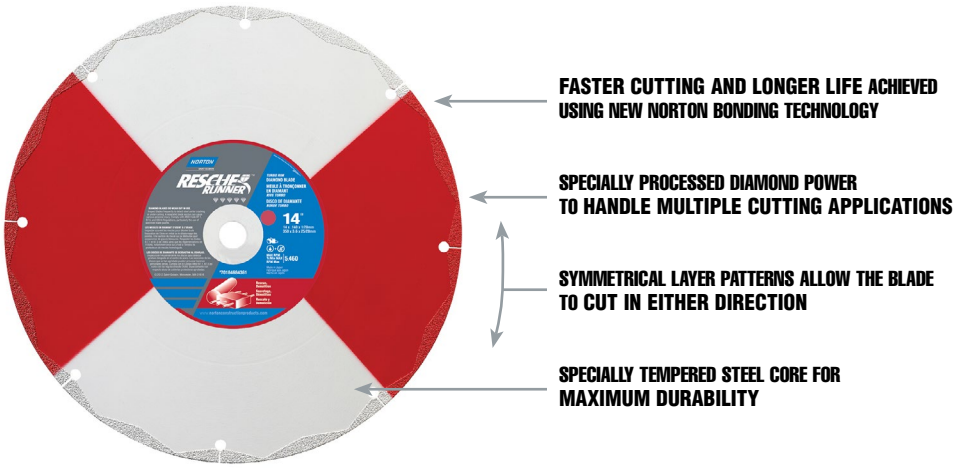
MULTI-PURPOSE DIAMOND BLADE

New diamond placement technology allow diamonds to cut in both directions.

Specially tempered steel core for maximum durability under the toughest conditions.



Rescue Runner is specially developed with totally unique and innovative technologies by Saint-Gobain Abrasives – one of the leading manufacturers of diamond tools. Standard diamond blades can only cut concrete, stone and bricks. The Rescue Runner diamond blade can cut concrete, asphalt, stone, bricks, steel shutters, automobile steels, steel pipes, thin steel plates, rubber tires, conveyor cart rubbers, plywood, narrow timbers, acrylboards, polyvinyl materials, plastics, fiberglass materials, graphite materials, ductile pipes, standard glass, etc.



TYPICAL APPLICATIONS

- Shutters
- Automobile Steels
- Conveyor Carts
- Radial Tires
- Ductile Pipes
- Steel Pipes
- Thin Steel Plates
- Plywood
- Lumbers
- Acrylic Boards
- Concrete Products

UPC	PART #	SIZE	MAX RPM	SEGMENT SPEC
RESCUE RUNNER DIAMOND BLADES				
701846 **84426** 0	NXHSRR1220	12 x .140 x 1/20mm	6300	.275"
701846 **84361** 4	NXHSRR1420	14 x .140 x 1/20mm	5460	.275"

PROVEN PERFORMANCE OF RESCUE RUNNER!

"The best thing about this blade is it always works. While operating at a strip mall fire, our tower was assigned vent work. The guys that operated that night stated that it out cut the other saws working that fire. They cut several different holes without having to change blades and were able to continue working without missing a beat. They cleaned the blade up, flipped it over and it was ready to meet its next challenge."

– FF/PM CHRIS WILSON, BLOOMINGDALE FIRE DISTRICT



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FORM #8013 REV. 02/14

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4X4™ MAX CUT

MAXIMUM PERFORMANCE



A VERSATILE BLADE
THAT CUTS MULTIPLE MATERIALS FAST

The next generation of our original 4X4, the 4X4 Max Cut raises the bar in cutting performance with its innovative design that allows one blade to tackle multiple jobs for maximum productivity with less blade changes. The increased 10 mm segment height combined with a premium diamond and metal bond segment geometry, provides extended blade life with fast, precise cuts in concrete, asphalt, stone/brick, and steel. Add anti-crack gullets with stroboscopic depth indicators, now you get not only safe, accurate, cool cuts but you also know how deep each pass has cut.

The Norton 4X4 Max Cut is fast enough to get you on and off the job; tough enough to last.

General Purpose, All Materials, Ductile Iron Pipe

- Anti-Crack Gullet – resists cracking of core under extreme conditions
- Segment – wear indicators show remaining blade life
- Premium Bond and Diamond – new premium metal bond and diamond technology extending blade life

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4X4™ MAX CUT

MAXIMUM PERFORMANCE



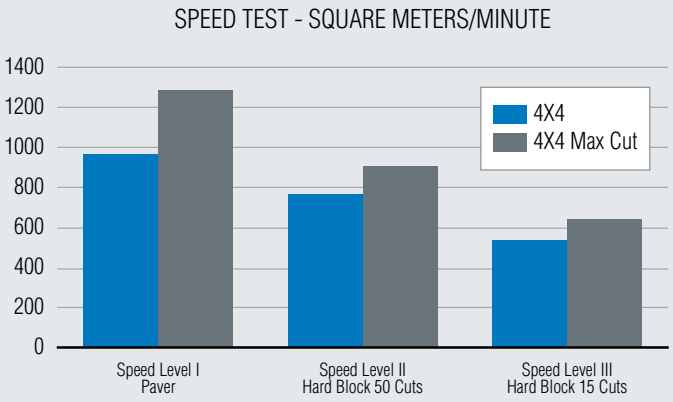
PRODUCT AVAILABILITY

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
4X4 MAX CUT DIAMOND BLADE				
701846 **45927** 3	4X4MC12110	12 x 110 x 1/20mm	6300	.460"
701846 **45926** 6	4X4MC14125	14 x 125 x 1/20mm	5460	.460"

TEST RESULTS OUTPERFORM OTHERS

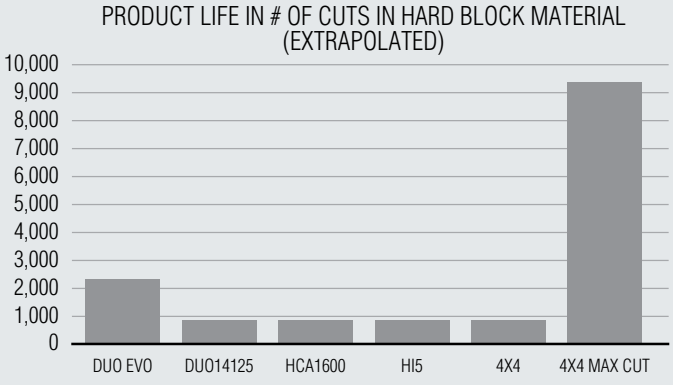
SPEED TEST RESULTS

Not only exceeding the original 4X4 but exceeding your expectations.



LIFE TEST RESULTS

Breaking through the barriers of today's job applications the 4X4 Max Cut outperforms the competition and our own DUO family, saving you time and money.





WEAR INDICATOR

Our new segment design has a built in blade life gauge. The wear indicator on the upper right of the segment signifies 1/3 blade life of the segment used. The wear indicator on the left of the segment indicates 2/3 of the segment used.

General Purpose, All Materials. Ductile Iron Pipe

Concrete, reinforced concrete, asphalt over concrete, granite, building materials, thin steel sections, ductile iron pipes, angle iron up to ½" material thickness, rebar up to no. 5.



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Form #8352 REV 04/13

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Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

REINFORCED CUT-OFF WHEELS

GEMINI METAL - HEAVY DUTY

High-performance aluminum oxide grain wheels designed for general purpose cutting of all steel and stainless applications. Triple reinforcement ensures longer life and smoother cutting.

UPC	SIZE	MAX RPM	STD PKG
662528 **36708** 1	12 x 1/8 x 1/20mm	6360	10
662528 **35386** 2	14 x 1/8 x 1/20mm	5400	10



GEMINI METAL

For metal and steel cutting application, including rebar, steel pipe, structural steel, sheet metal, cable and small to medium diameter solid pieces.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 **37838** 4	HSM12UA	12 x 1/8 x 1/20mm	6360	10
662528 **37841** 4	HSM14UA	14 x 1/8 x 1/20mm	5400	10
662528 **30886** 2	HSM16UA	16 x 1/8 x 1/20mm	4800	10



GEMINI METAL DECKING

High-performance aluminum oxide grain combined with a thicker wheel that stands up to the sharp edges of sheet metal and roof decking.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 **32521** 0	HSMD14UA	14 x 1/8 x 1/20mm	5400	10



GEMINI RAIL STEEL

A finer grit, harder grade aluminum oxide wheel designed for straight, fast cuts on all sized of rail track.

UPC	SIZE	MAX RPM	STD PKG
662532 **60462** 2	14 x 1/8 x 1	5400	10
662532 **59935** 5	16 x 1/8 x 1	4800	10



GEMINI DUCTILE - HEAVY DUTY

A special blend of silicon carbide abrasive for cutting, aluminum oxide abrasive for longer life, and three pieces of reinforcement, designed to cut ductile and cast iron pipe, concrete-lined water pipes, sewer and heavy duty PVC.

UPC	SIZE	MAX RPM	STD PKG
662528 **35388** 6	14 x 1/8 x 1	5400	10



GEMINI DUCTILE

For ductile iron and cast iron pipe – formulated with a special blend of silicon carbide (for cutting) and aluminum oxide (for long life). This specification is also suitable for cutting PVC.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 **37840** 7	HSD12UA	12 x 1/8 x 1/20mm	6360	10
662528 **37843** 9	HSD14AU	14 x 1/8 x 1/20mm	5400	10



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE - HEAVY DUTY

Coarse grit silicon carbide abrasive provides a low initial cost solution for cutting brick, block, concrete or other masonry materials. A thicker blade with triple reinforcement provide longer cutting with less down time blade changes.

UPC	SIZE	MAX RPM	STD PKG
662528 **36709** 8	12 x 1/8 x 1/20mm	6360	10
662528 **35387** 9	14 x 1/8 x 1/20mm	5400	10



GEMINI CONCRETE

For brick, block, concrete and other masonry materials. Silicon carbide specification for aggressive cutting.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 **37839** 1	HSC12UA	12 x 1/8 x 1/20mm	6360	10
662528 **37842** 1	HSC14UA	14 x 1/8 x 1/20mm	5400	10
701846 **23029** 2	HSC16UA	16 x 1/8 x 1/20mm	4800	10



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

REINFORCED CUT-OFF WHEELS

GEMINI ASPHALT

A special blend of extra coarse silicon carbide abrasive grains provides a low initial cost solution for cutting asphalt, green concrete, asphalt over concrete, a wide range of aggregates and abrasive materials.

UPC	PART #	SIZE	MAX RPM	STD PKG
701846 **70243** 0	YPAHA12532UA	12 x 1/8 x 1/20mm	6360	10
701846 **72877** 5	YPAHA14UA	14 x 1/8 x 1/20mm	5400	10



Rescue, Demolition

Ductile, steel, polyvinyl pipe, thin steel plate, acrylic sheet, fiberglass, rubber, standard glass, wood, concrete, brick, asphalt.

REINFORCED CUT-OFF WHEELS

GEMINI RESCUE

For ventilation, forcible entry, rescue and demolition. A versatile abrasive formula that can be used on a very wide variety of materials including all steels, aluminum, PVC, and masonry materials like tile, concrete, brick and asphalt.

UPC	PART #	SIZE	MAX RPM	STD PKG
662435 **78262** 3	HSRES14UA	14 x 1/8 x 1/20mm	5400	10

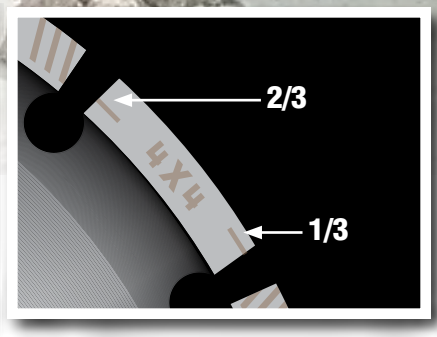


redefining versatility
AS A "CUT-ALL" BLADE

Contractors can keep moving from job to job without having to change blades when cutting asphalt, concrete, abrasive material, ductile, rebar, and flat metal. Anti-crack gullets and a specially-tensioned core allow a repeatable cool cut. The Norton 4X4 Max Cut delivers dependable performance and quality assurance that makes the day on the job a little easier.



Anti-Crack Gullet
The patented ellipsoidal gullets increase safety while significantly decreasing the risk of core cracking under the harshest conditions.



Wear Indicator
A new segment design has a built-in blade life gauge to signify 1/3 or 2/3 usage so operator can plan blade change needs.



Patented Depth Indicators
The stroboscopic depth indicators cut into the steel core helps control the depth of each cut, providing a non-wearing directional arrow, which also keeps the blade cool.

Multi-Purpose, All Materials

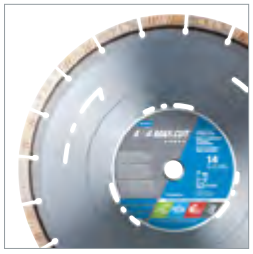
Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

DRY – *SEGMENTED RIM*

4X4 MAX CUT

Taking high-speed cutting versatility to an all new level. The same standard features as the 4X4 with its anti-crack gullets and patented depth indicators that not only cool the blade but also allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials while excelling in steel. New segment wear indicators give the operator an idea of remaining blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **45927** 3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"
701846 **45926** 6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"



4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84548** 9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 **84547** 2	4X414125	14 x .125 x 1/20mm	5460	.393"



3X3

It's everything expected for high-speed cutting when both performance and price are a factor. The laser welded 3X3 cuts concrete, reinforced concrete, asphalt and abrasive building materials and more. High quality diamond increases the speed of cut on a variety of materials without changing blades. Premium blade characteristics and price point where it would take multiple sintered blades to achieve.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **47500** 6	3X312118	12 x .118 x 1/20mm	6300	.314"
701846 **47499** 3	3X314118	14 x .118 x 1/20mm	5460	.314"





proven performance
4X4 MAX CUT

When I showed one of my concrete contractors the new **4X4 Max Cut**, he wondered how it was possible to improve on the standard **4X4** blade. He touts the benefits of the **4X4 Max Cut** to everyone, even his competitors: 'My customers love the crazy long life out of the **4X4 Max Cut** blade. The only problem I have is that the blade lasts too long so I don't sell as many blades! Great for my customers, not so great for my commission check!'

– Steve Wilkie, Applied Tool and Fastener

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



DRY – *SEGMENTED RIM*

DUO EVO

The unique shape of the DUO EVO segments optimizes the angle of attack while enhancing the evacuation of the debris. With a new manufacturing process, the DUO EVO segments provide an exceptional cutting speed for optimum performance and increased life up to 20% over the original DUO EVO design.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84217** 4	DUOEVO12110	12 x .110 x 1/20mm	6300	.472"
701846 **84218** 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 **84549** 6	DUOEVO16125	16 x .125 x 1	4500	.472"

DUO

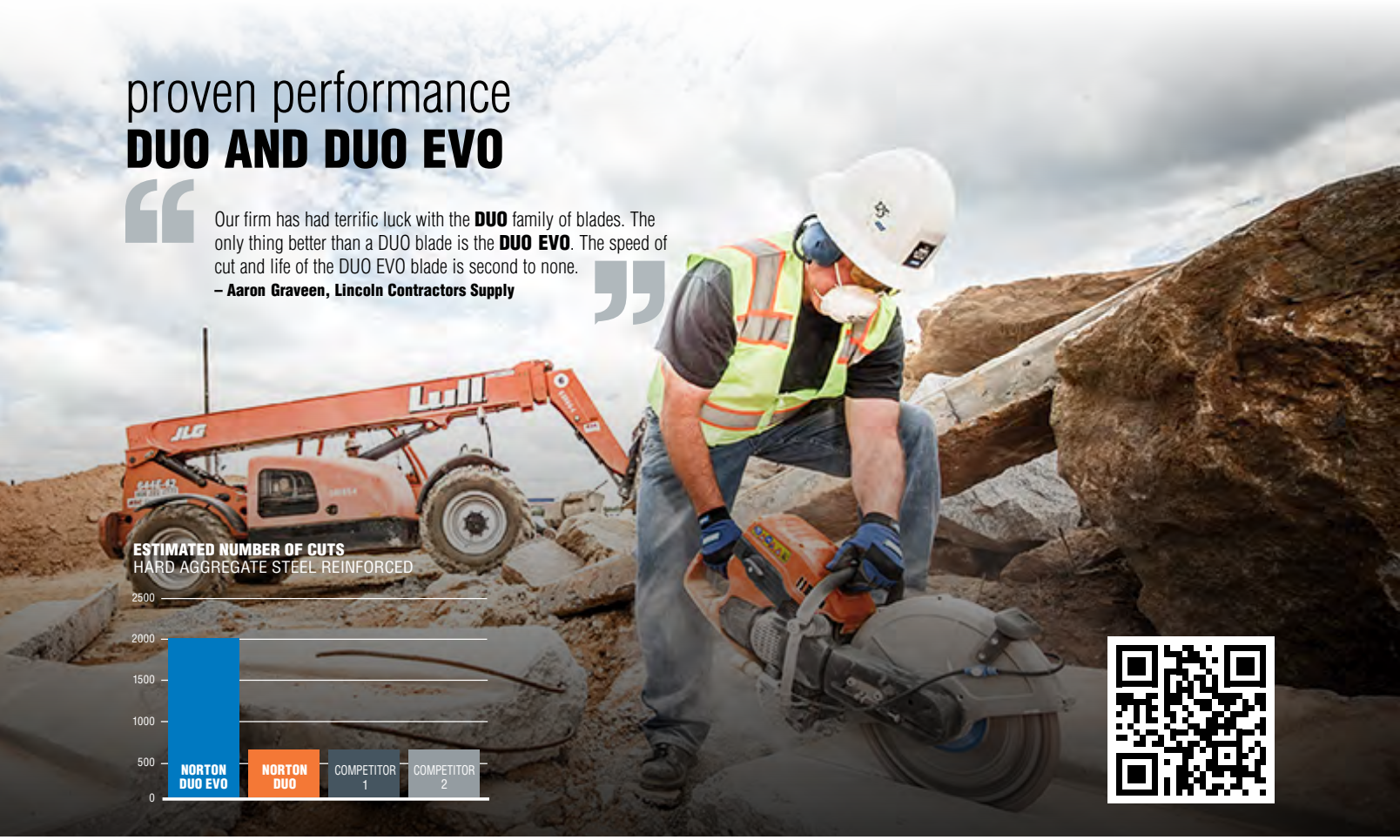
Our exclusive design, introduced in 2002, has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction, but also assist in fast removal of cutting debris. Maximum general purpose performance when cutting medium to low reinforcement, hard materials.



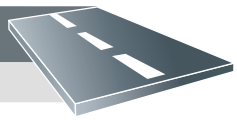
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83611** 1	DUO12110	12 x .110 x 1/20mm	6300	.393"
701846 **83612** 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
701846 **83613** 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
701846 **83798** 9	DUO16125	16 x .125 x 1/20mm	4500	.393"

proven performance
DUO AND DUO EVO

> Our firm has had terrific luck with the **DUO** family of blades. The only thing better than a DUO blade is the **DUO EVO**. The speed of cut and life of the DUO EVO blade is second to none.
> **– Aaron Graveen, Lincoln Contractors Supply**



Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *SEGMENTED RIM*

DUO ASPHALT



Dry cutting laser welded blade for asphalt and green concrete. Laser welded drop segment wear-retardant extends blade life. Scoop gullets for faster swarf removal increases cut speed. Stroboscopic indicators to control cut depth and show rotation direction.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84543** 4	DUOASP12125	12 x .110 x 1/20mm	6300	.393"
701846 **84315** 7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"
701846 **84544** 1	DUOASP16125	16 x .125 x 1/20mm	4500	.393"

DUO ABRASIVE



Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84291** 4	DUOAB14110	14 x .110 x 1/20mm	5460	.393"
701846 **84292** 1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"

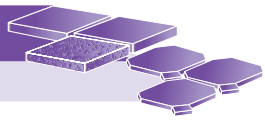
NORTON CLASSIC



Ideal blade for small to medium size high-speed cutting jobs. Economically priced with good productivity in asphalt, green concrete and other abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **01231** 9	CHDASP1420	14 x .125 x 1/20mm	5460	.275"
701846 **84429** 1	COHSABR1420	14 x .125 x 1/20mm	5460	.275"
076607 **01230** 5	CHDASP1620	16 x .125 x 1/20mm	4500	.275"

Natural Stone and Tiles



Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

DRY – *TURBO RIM*

AERO-JET



Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83784** 2	AEROHS1220	12 x .110 x 1/20mm	6300	.472"
701846 **83785** 9	AEROHS1420	14 x .125 x 1/20mm	5460	.472"

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

CHARGER

A high performance, laser welded blade designed with quality segments for cutting concrete and medium hard materials with medium reinforcing.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **56267** 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.394"
076607 **01229** 6	CGHSGP1620	16 x .125 x 1/20mm	4500	.394"



NORTON CLASSIC

The improved bond provides longer life at an economical price in medium hard materials such as concrete with light to medium reinforcement.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81383** 9	COHSGP1220	12 x .110 x 1/20mm	6300	.275"
701846 **81309** 9	COHSGP1420	14 x .110 x 1/20mm	5460	.275"
701846 **84268** 6	COHSGP1420P	14 x .125 x 1/20mm	5460	.275"
701846 **40356** 6	COHSGP1620	16 x .125 x 1/20mm	4500	.275"



VALUPLUS SS

For value and performance on small to medium jobs. Provides fast cutting and the .472" taller sintered super segment (SS) increase blade life. Perfect blade for jobs that require fast dry cutting of abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84465** 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"



VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84180** 1	VPHSGP1220	12 x .110 x 1/20mm	6300	.393"
701846 **84181** 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 **84428** 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"



DRY – *TURBO RIM*

CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84524** 3	CGHSTS1220	12 x .125 x 1/20mm	6300	.472"
701846 **84525** 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



WET – *WALL SAW*

VMAX PLUS

VMAX Plus steps things up when wall sawing. Having all the same features as the original VMAX, the new bond and diamond specification, in a sandwich segment, increases speed of entry and extends blade life in the toughest applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **92149** 7	VMAX	24 x .187 x *	1455	.438"
701846 **92405** 4	VMAX	24 x .210 x *	1455	.438"



VMAX

This revolutionary wall saw blade is unlike anything offered on the market today. Arbor sizes, drive pinholes and adaptations are available upon request in sizes of 20" to 42" diameter. The unique multi-sandwich, laser-welded segment technology provides maximum performance and fast cutting action.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **92493** 1	VMAX	20 x .235 x *	1500	.438"
701846 **90911** 2	VMAX	24 x .187 x *	2550	.438"
701846 **90924** 2	VMAX	24 x .210 x *	2550	.438"
701846 **91031** 6	VMAX	24 x .235 x *	2550	.438"
701846 **90927** 3	VMAX	26 x .235 x *	2350	.438"
701846 **90947** 1	VMAX	30 x .187 x *	2040	.438"
701846 **90926** 6	VMAX	30 x .210 x *	2040	.438"
701846 **91013** 2	VMAX	30 x .235 x *	2040	.438"
701846 **91388** 1	VMAX	32 x .187 x *	1350	.438"
701846 **91305** 8	VMAX	32 x .210 x *	1350	.438"
701846 **91050** 7	VMAX	36 x .235 x *	1700	.438"
701846 **91038** 5	VMAX	42 x .187 x *	1455	.438"
701846 **91039** 2	VMAX	42 x .210 x *	1455	.438"

* VMAX & VMAX PLUS have an A34 Arbor

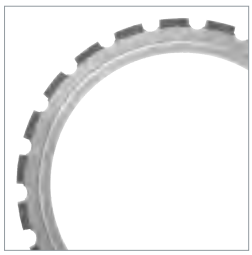


WET – *RING SAW*

CHARGER

Ideal laser welded blade for wet cutting a wide range of concrete material. Provides faster cutting speeds in general concrete applications with light reinforcing. Great for pre-cutting and follow-up of diamond chain. Includes two rollers.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84513** 7	CGDRGP1400	14 x .165 x 11.3	4365	.393"

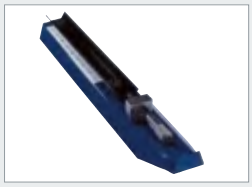


ACCESSORY – *DIGITAL GAUGES*

DIGITAL GAUGES

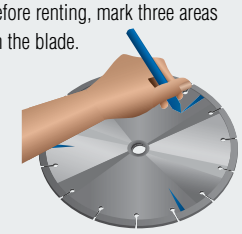
Used for measuring wear on diamond blades and bits to the nearest .001 of an inch. Assures maximum return on diamond rentals.

UPC	PART #	DESCRIPTION
701846 **70119** 8	YDDGAUGE	Blade Gauge up to 30"
701846 **71189** 4	YDDGAUGE	Blade Gauge up to 36"
701846 **72601** 6	YE30011	Digital Gauge Only
701846 **71301** 6	YDDBIT	Blade/Bit Gauge

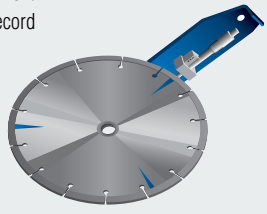


INCREASE RENTAL REVENUE WITH A **DIGITAL GAUGE** FROM NORTON

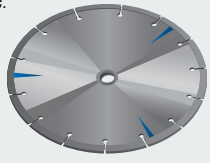
Before renting, mark three areas on the blade.



Measure the diamond segment height at each mark and record the average of the three.



Upon return, measure the same three areas and record the average. Subtract this amount from the original average. The difference is the amount of segment used and can be multiplied by your pre-set usage rate.



Rescue, Demolition

Ductile, steel, polyvinyl pipe, thin steel plate, acrylic sheet, fiberglass, rubber, standard glass, wood, concrete, brick, asphalt.

DRY – *CONTINUOUS RIM*

RESCUE RUNNER



When seconds count, reach for the Norton Rescue Runner. The specially tempered steel core provides maximum durability under the toughest conditions on many materials. A new diamond placement technology allows diamonds to cut in both directions for quick cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84426** 0	NXHSRR1220	12 x .140 x 1/20mm	6300	.275"
701846 **84361** 4	NXHSRR1420	14 x .140 x 1/20mm	5460	.275"

proven performance
RESCUE RUNNER

> The best thing about this blade is it always works. While operating at a strip mall fire, our tower was assigned vent work. The guys that operated that night stated that it out cut the other saws working that fire. They cut several different holes without having to change blades and were able to continue working without missing a beat. They cleaned the blade up, flipped it over and it was ready to meet its next challenge.
>
> ***– FF/PM Chris Wilson, Bloomingdale Fire District***



Bidirectional Blade Usage

The symmetrical diamond pattern placement allows the quick blade mounting without worry of proper direction.

Universal Arbor

The universal arbor allows the Rescue Runner to be used on both 1" and 20mm high-speed gas and electric saws.

Faster Cutting and Longer Life

The bonding system allows the diamond to resist premature release providing longer diamond life and speed of cut.

NORTON SAINT-GOBAIN clipper®

ALL-NEW GAS SAW LINE UP!

A CUT ABOVE ORDINARY

Effortlessly saw through

HARD ROCK

Contractors never have to worry about poor starts, wrong fuel mixes, choking, or clogged filters with the new Norton Clipper CP500 series of cut-off saws. Our saws are built to withstand the demands of today's jobsite with raw, rugged power that truly delivers.

You can have ordinary or you can have a cut above in performance of Norton Clipper equipment and blade technologies that get you on and off the job quickly.

For a better option, make the switch to Norton.



TM

NORTON® SAINT-GOBAIN

FOUR INSTRUMENTS OF HIGH-SPEED CUTTING PERFORMANCE

1 ONE FULL LINE 2 TWICE THE VERSATILITY 3 THREE TIMES BETTER 4 QUARTER PERCENT MORE LIFE



1 ONE FULL LINE, A TOTAL EQUIPMENT LINE UP TO GET THE JOB DONE

BUILT FOR ENDURANCE

The Norton Clipper CP500 high-speed cut-off saw may be new to the stage, but it's destined to be a star on any crew. It's fully designed with the user in mind to not only cut a smooth, fast track, but it's also fully equipped to handle the everyday performance of any jobsite with unrelenting durability and reliability. Select a standard model or upgrade to the world's first patented automatic lubrication system, iLube®.



No More Pre-Mixing Oil and Fuel

The patented iLube® option automatically controls mixing of oil and fuel for maximum efficiency. An electronic sensor will indicate a low oil level and adjust the engine to idle to prevent engine damage.



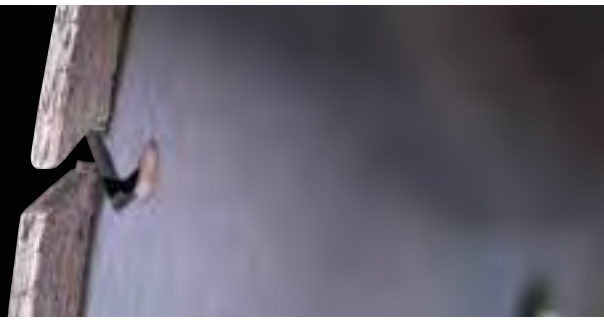
Easy Start – Hot or Cold

The electronic carburetor's electro-magnetic valve eliminates the standard choke and half throttle start. The 3-step easy start eliminates the hassle of a choke. Simply turn the switch on, prime the engine, and push the decompression button and she'll purr like a kitten.



Multi-Stage Air Filtration

Patented twin-air inlets create an air pulsation that draws fresh air in while pushing hot air away from the engine and releasing it out the back to keep the saw running cool and reduce debris being trapped in the filter. The external rocker wheel vibrates the filter to further help release debris. This system extends filter life for less cleaning/replacement.



2 TWICE THE VERSATILITY, DUO SEGMENTED TECHNOLOGY MAKES QUICK WORK

DESIGNED FOR EFFICIENCY

The unique laser-cut gullets and split segment design of the patented Norton DUO diamond blade work together to provide an extremely smooth and fast cutting blade in many different materials. A patent pending universal arbor allows the blade to be adapted to two different arbor mounts. The knock out design creates flexibility to use one blade on two machines. The Norton DUO raises the standard in high-speed diamond blades for fast removal with longer life.



DUO EVO

The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials.

UPC	Part #	Size	MAX RPM	Segment Height
701846 **84217** 4	DUOEVO12110	12 x .110 x 1"/20mm	6300	.472"
701846 **84218** 1	DUOEVO14110	14 x .110 x 1"/20mm	5460	.472"
701846 **84219** 8	DUOEVO14125	14 x .125 x 1"/20mm	5460	.472"
701846 **84549** 6	DUOEVO16125	16 x .125 x 1"/20mm	4725	.472"



DUO

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to low reinforcement, hard materials – general purpose.

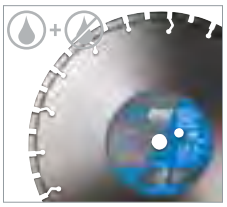
UPC	Part #	Size	MAX RPM	Segment Height
701846 **83611** 1	DUO12110	12 x .110 x 1"/20mm	6300	.393"
701846 **83612** 8	DUO14110	14 x .110 x 1"/20mm	5460	.393"
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1"/20mm	5460	.393"
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1"/20mm	5460	.393"
701846 **83613** 5	DUO14125	14 x .125 x 1"/20mm	5460	.393"
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1"/20mm	5460	.393"
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1"/20mm	5460	.393"
701846 **83798** 9	DUO16125	16 x .125 x 1"/20mm	4725	.393"



DUO ASPHALT

Dry cutting laser welded blade for asphalt and green concrete. Laser welded drop segment wear-retardant extends blade life. Scoop gullets for faster swarf removal increases cut speed. Stroboscopic indicators to control cut depth and show rotation direction.

UPC	Part #	Size	MAX RPM	Segment Height
701846 **84543** 4	DUOASP12125	12 x .110 x 1"/20mm	6300	.393"
701846 **84315** 7	DUOASP14125	14 x .125 x 1"/20mm	5460	.393"
701846 **84544** 1	DUOASP16125	16 x .125 x 1"/20mm	4725	.393"



DUO ABRASIVE

Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	Part #	Size	MAX RPM	Segment Height
701846 **84291** 4	DUOAB14110	14 x .110 x 1"/20mm	5460	.393"
701846 **84292** 1	DUOAB14125	14 x .125 x 1"/20mm	5460	.393"

FOUR INSTRUMENTS OF HIGH-SPEED CUTTING PERFORMANCE

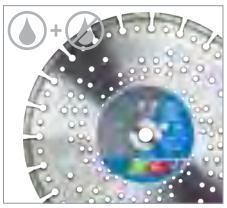
1 ONE FULL LINE 2 TWICE THE VERSATILITY 3 THREE TIMES BETTER 4 QUARTER PERCENT MORE LIFE



3 THREE TIMES BETTER, 3X3 DELIVERS PRODUCTIVITY WITHOUT THE PRICE TAG

CRAFTED FOR QUALITY WITHOUT COMPROMISE

The 3X3 design offers a premium laser-welded blade without the price point of multiple sintered blades. A solid performing general purpose blade that cuts concrete, asphalt, and stone. The wider keyhole gullets reduce cracking and the tempered steel core with strategic hole pattern keeps the blade cool cutting.



3X3

It's everything expected for high-speed cutting when both performance and price are a factor. The laser welded 3X3 cuts concrete, reinforced concrete, asphalt and abrasive building materials and more. High quality diamond increases the speed of cut on a variety of materials without changing blades. Premium blade characteristics and price point where it would take multiple sintered blades to achieve.

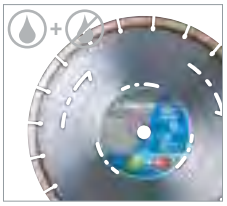
UPC	Part #	Size	MAX RPM	Segment Height
701846 **47500** 6	3X312110	12 x .110 x 1"/20mm	6300	.314"
701846 **47499** 3	3X314118	14 x .118 x 1"/20mm	5460	.314"



4 QUARTER PERCENT MORE LIFE, 4X4 MAXS OUT THE NEED FOR ANY OTHER BLADE

ENGINEERED FOR MAXIMUM UTILITY

A single blade for multiple applications in concrete, stone, brick, ductile iron, granite and steel. The unique ellipsoidal shaped gullets resist cracking in the steel center under extreme conditions for enhanced safety during cutting while the stroboscopic depth indicators eliminate over cutting and allow operator to see depth of cut in operation. A premium metal bond and diamond technology improve blade life without sacrificing performance. The 4X4 family takes versatility in high-speed cutting to an all new level with 25% longer life and on-going endurance.



4X4 MAX CUT

Taking versatility in high-speed cutting to an all new level. The same core features as the 4X4 with its anti-crack gullets, patented depth indicators that not only cool the blade but allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials and excelling in steel. New segment wear indicators give the operator an idea of segment life.

UPC	Part #	Size	MAX RPM	Segment Height
701846 **45927** 3	4X4MC12118	12 x .118 x 1"/20mm	6300	.472"
701846 **45926** 6	4X4MC14125	14 x .125 x 1"/20mm	5460	.472"



4X4

Multi-purpose and versatile laser welded segments for dry cutting a range of construction materials (concrete, hard brick pavers, granite, etc.) without sacrificing performance or price. A high performance blade for long life on large masonry saws. Depth of cut is easily controlled with the patented depth of cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	Part #	Size	MAX RPM	Segment Height
701846 **84548** 9	4X412110	12 x .110 x 1"/20mm	6300	.393"
701846 **84547** 2	4X414125	14 x .125 x 1"/20mm	5460	.393"

FOUR INSTRUMENTS OF HIGH-SPEED CUTTING PERFORMANCE

TECHNICAL SPECIFICATIONS	CP512-300	CP512-300i	CP514-350	CP514-350i
Product Number	701846 **47559** 4	701846 **47561** 7	701846 **47563** 1	701846 **47565** 5
Blade Guard Capacity - in (mm)	12" (305)	12" (305)	14" (356)	14" (356)
Maximum Depth of Cut - in (mm)	4" (100)	4" (100)	5" (125)	5" (125)
Arbor Size - in (mm)	.78 (20)	.78 (20)	.78 (20)	.78 (20)
Blade Flange Diameter - in (mm)	3.93 (100)	3.93 (100)	3.93 (100)	3.93 (100)
Blade Shaft RPM	4,500	4,500	4,500	4,500
Blade Shaft Drive	4,450	4,450	4,450	4,450
Blade Shaft Bearings	Heavy Duty Sealed	Heavy Duty Sealed	Heavy Duty Sealed	Heavy Duty Sealed
Blade Shaft Drive	1 Belt	1 Belt	1 Belt	1 Belt
Control	Hand Held	Hand Held	Hand Held	Hand Held
Chassis	Norton Single-Cylinder Two Stroke Engine, Four-Channel Flushing	Norton Single-Cylinder Two Stroke Engine, Four-Channel Flushing	Norton Single-Cylinder Two Stroke Engine, Four-Channel Flushing	Norton Single-Cylinder Two Stroke Engine, Four-Channel Flushing
Power Source	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle w/Smart Lube	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle w/Smart Lube
Motor/Engine Type	Norton Clipper	Norton Clipper	Norton Clipper	Norton Clipper
Specifications	CP512-300	CP512-300i	CP514-350	CP514-350i
Maximum Horsepower[1]	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)
Net Horse Power[1]	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)	5.36 hp (4.0 kW)
Max. Torque ft lbs (Nm)	3.54 (4.8)	3.54 (4.8)	3.54 (4.8)	3.54 (4.8)
Displacement - cu In (l)	4.94 (81)	4.94 (81)	4.94 (81)	4.94 (81)
Bore - in (mm)	2.04 (52)	2.04 (52)	2.04 (52)	2.04 (52)
Stroke - in (mm)	1.49 (38)	1.49 (38)	1.49 (38)	1.49 (38)
Cylinders/Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle
Fuel Capacity - gal (l)	0.23 (0.9)	0.23 (0.9)	0.23 (0.9)	0.23 (0.9)
Oil Capacity - oz (l)	-NA-	0.08 (0.32)	-NA-	0.08 (0.32)
Electronically-Controlled Oil Lubrication	-NA-	YES	-NA-	YES
Air Filter	Heavy Duty 2 Stage	Heavy Duty 2 Stage	Heavy Duty 2 Stage	Heavy Duty 2 Stage
Starter	Manual	Manual	Manual	Manual
Engine Cooling	Forced Air	Forced Air	Forced Air	Forced Air
Electronically-Controlled Carburetor With Smart Choke	YES	YES	YES	YES
Sound Level[2,3] L_{peg} (EN ISO 19432 Annex B) dB(A)	98	98	98	98
Sound Power Level[2,3] L_{weg} (EN ISO 19432 Annex B) dB(A)	108	108	108	108
Weighted Effective Acceleration[2,4] $a_{hv,eq}$ (EN ISO 19432 Annex C) Rear Handle / Top Handle m/s²	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0
SAW DIMENSIONS				
Height - in (mm)	16.93 (430)	16.93 (430)	16.93 (430)	16.93 (430)
Saw Width - in (mm)	10.52 (267)	10.52 (267)	10.52 (267)	10.52 (267)
Maximum Saw Length (Working) - in (mm)	29.53 (750)	29.53 (750)	30.52 (775)	30.52 (775)
Weight - Uncrated - lbs (kg)	22.26 (10.1)	22.92 (10.4)	22.49 (10.2)	23.15 (10.5)

[1] DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER
[2] IN DETERMINING THE ABOVE VALUES REGARDING ACCELERATION OF VIBRATIONS AND SOUND, THE DIFFERENT OPERATING CONDITIONS WERE WEIGHED IN ACCORDANCE WITH THE CURRENT STANDARDS
[3] INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2.5 DB(A)
[4] INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2 M/S²

FOUR INSTRUMENTS OF HIGH-SPEED CUTTING PERFORMANCE



NOT ALL DIAMOND BLADES ARE CREATED EQUAL

While laser-welded premium diamond blades may be 5-10% more expensive in initial purchase, that cost is well offset, during use, in saving time and money with fewer blade changes. Economy blades just don't measure up. Using low-cost mass-produced sintered diamond blades to save money up front is not only potentially dangerous but it will also end up costing more in the long run as they simply can't keep up with cutting hard concrete repeatedly. So, multiply the number of economy blades it takes compared to one premium blade by the labor to change the blade each time and it's simply money out of your pocket.

At Norton, we know that performance-driven cut-off saws and technology-driven diamond blades are the primary instruments to any job site crew and we deliver all the muscle you need.

MAKE DIAMOND BLADE SAFETY YOUR NUMBER ONE PRIORITY

KNOW THE DOS AND DON'TS OF HIGH-SPEED DIAMOND BLADES

Whether the work is being handled by a large contractor or a homeowner, it's equally important that safe practices are followed for use of diamond blades and equipment.

High-speed blades mounted on hand-held cut-off saws can rotate up to 6,300 rpm for a 12" diamond blade. With this in mind, it's easy to understand why safety has to be the number one priority.

Diamond blades are designed by manufacturers for specific applications, such as hard and soft materials and wet-and-dry-cutting situations. Due to these variations it's critical the proper diamond blade is used for the appropriate job and the saw operator has been trained how to use the products and what actions to take.

For additional safety and use tips, refer to the Rx for Diamond Blades produced by the Concrete Saw Manufacturers Institute (SMI). Remember, your actions can prevent segment loss and personal injury. Know and follow all of the blade's and saw's safety rules.

For additional information on this topic or if you need any other abrasive safety information, please review ANSI, OSHA and all literature provided by the diamond saw blade and machine manufacturer. You may also contact the Norton / Saint-Gobain Product Safety Department at Tel. (508) 795-2317 • Fax. (508) 795-5120 or contact your local sales representative with any safety related questions.

ALL THE **MUSCLE** YOU NEED.™

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FORM #8370 REV. 04/13

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CP512-300 / CP514-350
CP512-300i / CP514-350i

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10/2013

Instruction manual cut-off machines
CP512-300 / CP514-350 // CP512-300i / CP514-350i

Dear customer:

Thank you for purchasing this quality product from our company.

For many decades, we have been a producer of hand-held and back-carried gas powered motor devices. Each of our motor devices benefits from this experience in detail today as well.

State-of-the-art production materials in connection with our know-how warrant a long service life and high utilization value of the motor device.

The motor devices of this model line are particularly high-quality cut-off machines of German production and designed specifically for the high demands of professional users. A newly developed single-cylinder two-stroke high-performance engine with stationary nikasil-coated cylinder in proven four-channel technology for great performance at low fuel consumption and the latest exhaust cleaning technology warrant high utilization value of the motor-driven device.

Maintenance-free electronic ignition,

health-protecting anti-vibration system,

patented twin-pipe suction procedure,

vibration system for particularly easy interim emptying of the air filter during work,

optionally usable water connection with water supply to the cut-off wheel to reduce dust when working,

smart solutions with electronic carburetor control for simple starting and

ergonomic design and extremely compact build

ensure excellent operating comfort and facilitate daily work with the motor device.

The safety equipment corresponds to the latest state of the art and meets all nationally and internationally relevant safety provisions. Among others, it comprises:

- One-touch stop button
- Throttle control lock
- Electronic speed limiter
- Wheel guard for the cut-off wheel
- Motor stop facility for maintenance purposes



Before first using this tool, read these operating instructions thoroughly and always observe all safety provisions and instructions.
If you have any further questions after reading these operating instructions, contact your specialist vendor.



Observe the maintenance guidelines closely to ensure the long service life of your equipment.

Packaging and disposal

Please keep the original packaging in order to protect the equipment against transport damage in case you ever need to ship or transport it. If the packaging materials are no longer required they must be disposed of properly in accordance with applicable local regulations. Cardboard packaging materials are raw materials which can be recycled or reused.
At the end of the equipment's service life, please make sure that you dispose of it in accordance with the local provisions.

Patents

The following patents have been granted:

- PCT/EP2011067574 (separate lubrication)
- US20120152200 (airbox)
- US20100206278
- US20100000846
- US20090007435
- EP2011594
- EP2011991
- EP2011992

Registered brands and trademarks

Norton Clipper® is a registered brand of Saint-Gobain Abrasives.
Any other product and company names named in these operating instructions may be registered brands or trademarks of the respective manufacturer. Use of these names by third parties for their purposes may injure the rights of the manufacturer. The fact that the ® or ™ sign is missing does not mean that the designation is a free brand name.

Reservation of changes

In the interest of continuous further development of the motor devices, the manufacturer must reserve changes to the delivery scope in form, technology and equipment.
Please understand that no claims can be derived from information and illustrations in these instructions.

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1 Information about these operating instructions

These operating instructions are an integral part of the motor device.



They contain important information and instructions for handling the motor device. Always follow any specified safety regulations and instructions, as they are a prerequisite for ensuring that you are working safely with the equipment.



These operating instructions must be kept available at the place of use of the equipment at all times, and they must be read carefully by everyone who works on or with the equipment (including for maintenance, care and repairs).

These operating instructions must only be used as operating instructions for the motor device CP512-300 / CP514-350 // CP512-300i / CP514-350i.
Any utilization of the contents (text and graphics illustrations) – even in excerpts – without the manufacturer's prior written consent shall be forbidden and may be prosecuted.

1.1 Notational conventions used in the operating instructions

Text highlights

Xxxxx	Underlined text marks interim headlines.
Xxxxx	Text in italics marks advice and notes that facilitate use of the motor device for the user.
1 Xxxxx	Numbered text with a black background marks main chapter headlines.
1.1 Xxxx	Numbered text with a grey background marks main subchapter headlines.
Xxxxxxx	Frames mark especially highlighted sections.

Structure

The operating instructions are structured by numbered main and subchapters. The table of contents on page 3 shows an overview of the structure.

Header

To make it easier for the user to find the chapters, the header names the main chapter to which the content on the respective page belongs.

Pictures and diagrams

Some graphical illustrations in these operating instructions are schematic illustrations or principle illustrations and may not show exactly your device model. The conveyed contents, however, are binding in any case.

2 Warning, instruction and notice icons

Important: If one or several icons in these operating instructions are centered and directly below a chapter header the notice applies for the entire chapter.

Warning, instruction and notice icons used in the operating instructions and on the equipment:


Warning! Failure to comply with the instructions could cause accidents with potentially life-threatening injuries.


Caution! Failure to comply with the instructions could result in damage to the equipment or other material damage.


Carefully read the operating instructions. This applies before placing the equipment into operation and before any cleaning, maintenance or assembly work.


Always wear the prescribed clothing. ➔ Chap. 3.3, page 7


Always wear sturdy shoes with good grip.


Wear safety gloves. This applies to all work with or on the equipment.


Before starting the engine, put on hard hat, hearing protection, face shield and safety glasses.



Switch off the engine!


Smoking is prohibited anywhere near the power tool and in the location where it is refueled!


Keep the power tool and fuel canisters away from open flames.


Warning: Danger of poisoning!
- The power tool generates exhaust gases.
- Gasoline vapors are toxic.
- Dangerous dust emissions when working.


Warning: Kickback!
Notes in chap. 7.2 as of page 27 must be observed under all circumstances!


Warning: Danger of fire from sparks.


Wear breathing protection equipment.


Never use toothed circular saw blades.


Never use a damaged cut-off wheel.



Only use cut-off wheels approved for a speed of ≥ 4,550 min^{-1} [4,550 RPM].

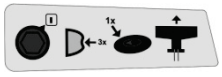

Vibrator dial for interim emptying of the air filter ➔ Chap. 8.4, page 32



iLube® = Smart lubrication (separate lubrication, only for model CP512-300i and CP514-350i)


Fuel tank ➔ Chap. 5.5, as of page 18


Oil tank (green cap, model CP512-300i and CP514-350i) ➔ Chap. 5.5, as of page 18


Starting notes ➔ Chap. 6, as of page 24

3 Safety provisions

3.1 Correct use



This power tool must only be used to cut/shorten metals (hot cut) and mineral materials, such as concrete (cold cutting). Use only the cut-off wheels approved for the material being cut and only for the working situation indicated in chap. 7 on page 26.
For specifically trained users in rescue missions, other approved cut-off wheels are also offered that can be used to cut various composites. These special applications are only permitted to specifically trained users.
This power tool must only be used for outdoor work.

Use of this power tool for any other purpose, such as sawing of wood and to remove/grind off a material using the side surfaces of the cut-off wheel is forbidden.
Unapproved cutting tools, such as saw blades or knives, must never be installed on the motor device.

3.2 General safety notes



Before using the power tool, read these operating instructions thoroughly and keep them in a safe and accessible location. They must be kept available at the place of use of the equipment at all times, and they must be read by everyone who works on or with the equipment (including for maintenance, care and repairs).

Use this power tool with care. Improper or careless use of this power tool could cause serious injury or death. The tool can generate large forces and torques resulting from the high speed rotation of the cut-off wheel.

Working with and on the power tool must be done carefully and with the greatest care. Access all risks before proceeding. Never perform any work procedures that you have not been trained for. If you are still unsure after studying these operating instructions, ask a specialist for help.

The ignition unit of this power tool generates an electromagnetic field in operation. This field may affect the function of pacemakers under certain conditions. Persons with a pacemaker must consult their physician and the pacemaker manufacturer before using this power tool.

General information on vibration: The following symptoms may occur from frequent vibration of fingers, hands or wrists: Fingers, hands or wrists falling asleep, tickling, pain, stabbing pain, changes of the skin tone or skin. If such symptoms are found, see a physician.

Failure to observe the safety notes may be potentially fatal. Check ANSI and OSHA and other local regulations before proceeding.

- For any accidents that may occur, a first aid kit must be present at the workplace at all times. Material that has been removed must be refilled at once.
- Danger of fire from sparks! When working close to easily flammable objects or vegetation, a fire extinguisher must be provided.
- A first time operator should obtain practical instruction by a specialist before using the power tool. Employers must establish a training program for operators of gasoline-powered, hand-held portable, cut-off machines to assure safe operations of these power tools.
- Children and teens (minors) under 18 years of age must not work with this power tool.
- The power tool generally must be operated by only one person – also when starting up. Keep unnecessary personnel away from the work area. Do not work around animals. If a person or animal approaches, the power tool must be stopped at once. The user is responsible for any injury and property damage he causes.
- This power tool must only be used by persons who are familiar with this type of machine, its operation and the operating instructions. Never lend this tool to untrained personnel. Always include these operating instructions.

- Only work with this power tool when you are in good shape, rested and healthy.
- Persons under the influence of alcohol or drugs, including prescription drugs, should never use this power tool, as their ability to quickly react to potential danger may be impaired.
- Never operate this power tool when you are fatigued or exhausted. Tiredness and exhaustion may result in loss of control. Be alert – if you get tired or exhausted while operating your power tool, take a break. Working with the power tool can be strenuous. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating this power tool.
- Never cut or disturb asbestos, asbestos-containing materials or any other known hazardous materials.
- Be aware of hidden hazards, such as electrical cables, water or gas pipes and flammable substances in the area to be cut!
- When cutting pre-tensioned and steel-reinforced concrete pillars, observe all instructions and standards that the respective authorities or component manufacturers have stipulated. Cutting of reinforcement bars must be performed in the prescribed order and under consideration of the relevant safety provisions.
- Never alter, change or modify any safety equipment or functional assemblies of this power tool.
- Prevent accidents! Only use this power tool if it is in good, safe condition! Always check the power tool prior to use.
- Only use those accessories and attachments that have been supplied and approved for attachment to this power tool by the manufacturer.
  Only cut-off wheels approved for this power tool must be used as cutting tools.
- Reliable operation and safety of this power tool also depend on the quality of the spare parts used. Use only genuine spare parts. Original spare parts are identical with original production parts and guarantee the best quality in material, dimensions, function and safety. Original parts and accessories are available from your specialist dealer. Your dealer has been supplied with appropriate documentation to determine the correct parts. Your dealer is frequently supplied with updates about improvements to the equipment. Please note that the use of non-original parts will void your warranty.
- Always store the power tool in a safe place and in such a way that it will not pose any danger. Stop the engine. Never let the power tool run unsupervised!

Persons who disregard safety instructions, operating or maintenance instructions are liable for any damage or consequential losses.

3.3 Personal protection equipment (PPE)



In order to prevent injuries, please make sure that you wear the prescribed clothing and protective equipment.



Clothes should be tight-fitting (no lapels), but not hindering. When performing any work, wear a working suit of firm materials with sufficient flame inhibition that cannot ignite by flying sparks (materials of leather, cotton after flame-inhibiting treatment or heavy close-meshed linen fabrics).
Check the information in the work clothes and ensure that non-flammable materials and no synthetic materials like polyester or nylon are contained in the clothes. The working clothes must never be contaminated with flammable substances such as gasoline or similar products.
Do not wear scarves, ties, jewelry or other clothes that may get caught in the cut-off wheel, objects in the environment, or the power tool. Tie back long hair and secure it under a hard hat.



Wear a protective hard hat during any work. Use personal hearing protection.
Eye and face protection is mandatory pursuant to ANSI Z 87.1.



Wear firm safety shoes with steel toes and a good grip.

Wear a protective apron.



Wear protective gloves with non-slip palms.



When wet cutting is not utilized, the operator and bystanders should always wear breathing protection equipment approved by NIOSH/MSHA for the material being cut.

3.4 When fueling up



Gasoline is highly flammable. Keep away from open flame and do not spill fuel. Do not smoke at the workplace or at the site of fueling!

- Always switch off the engine before fueling.
- Fire hazard! Never refuel while the engine is still hot!
- Always carefully open the tank cap so that any overpressure present can reduce slowly and no fuel will splash out.
- Prevent skin and eye contact with fuel and other mineral oil products by wearing protective clothing, eye and face protection. In case of eye contact, rinse at once with lots of clear water. In case of persistent irritation, see a doctor immediately!
- Regularly change and clean protective clothes.
- Avoid breathing in fuel vapor.
- The refueling site should be well ventilated.
- Avoid any soil spillage of fuel or oil (protection of the environment). Use a suitable mat.
- Immediately clean any fuel spilled on the power tool. Change contaminated clothing without delay.
- Always tighten the fuel tank cap firmly by hand without using any tools. Tank caps are equipped with an overturning protection and must be turned closed until a clear "skipping".
  The fuel tank cap must not be able to work itself loose as a result of the vibrations of the engine.
- Danger to life from burns! Observe leaks. Do not start up and work when fuel is escaping.
- Fuels and oil must only be stored in properly and correctly labeled containers.

3.5 In transport



- Before carrying the power tool (even across short distances from one working area to the next), always turn off the engine and wait until the cut-off wheel has stopped. Carry the power tool by the top handle and have the cut-off wheel point backwards.
- Danger of burns! Do not touch the hot muffler.
- Never carry or transport the power tool with the cut-off wheel running.
- To avoid spilling of fuel and oil and to prevent damage, the power tool must be secured against tipping when transporting it in vehicles. Check the tanks for fuel and oil for tightness.
  Recommendation: Empty the tanks before transport.
- Empty the tanks before shipping.
- Remove cut-off wheel before shipping.

Recommendation: Keep the original packaging in order to protect the equipment against transport damage in case you ever need to ship it or transport it.

3.6 During assembly, cleaning, maintenance and repair



- The power tool must not be assembled, maintained, repaired or stored in the vicinity of open flames.
- Before assembly, cleaning, maintenance and repair, always turn off the engine; the stop dial must be set to "0" and the cut-off wheel must have stopped.
  Only the idle speed setting must be performed with the engine running.
- Wear protective gloves for any work.
- The power tool requires regular maintenance. Only perform such maintenance and repair work on your own that are described in these operating instructions and that you consider yourself skilled at performing. Any other work must only be performed by specialist workshops authorized by the manufacturer.
- Danger of burns! Do not touch the muffler while it is still hot – not even for maintenance or to check it for tight fit.
- Only perform repairs with original spare parts.
- Danger of accident and injury! Never modify the power tool, as this may impair safety!

3.7 Before start-up



Before start-up, check the entire power tool for operationally safe conditions. In addition to the notes in the operating and maintenance notes (➔ chap. 8, page 29), check the following items:

- Stop dial and one-touch stop button must be easy to operate.
- The throttle control must move freely and return automatically to the idle position. It must not be possible to operate the throttle control without pushing (unlocking) the throttle control lock (throttle control locked).
- The cut-off wheel must be attached firmly to the spindle.
- Danger of fire! Ignition cable and spark plug connector must be firmly in place. Loose connection can result in sparks which could ignite any escaping fuel/air mixture!
- In case of irregularities, visible damage, improper settings or limited function, the power tool must not be started. In such cases, have the power tool inspected by specialist workshops authorized by the manufacturer.

3.8 When starting



- Only use the power tool if it is in completely assembled condition.
- Keep at least 3 meters [approx. 10 feet] distance from the fueling site when starting.
  Never start the power tool in closed rooms.
- Hold the tool securely and firmly when starting.
  Always start up on level ground and securely hold the power tool.
- Perform the starting process as described in chap. 6 on page 24.
- Check the idle setting after starting. The cut-off wheel must not rotate in idle mode.

3.9 During work



In addition to the safety provisions already listed, the following safety provisions also apply when working with the motor device:

- Danger of poisoning! Once the engine is running, the power tool produces toxic exhaust that may be invisible and odorless. Never start the power tool in closed rooms. Special danger also applies in narrow situations, troughs or ditches. Only work here when it is absolutely certain that there is sufficient air exchange and that no toxic gases may accumulate.
- Increased danger of fire! Do not smoke at the workplace – not even in the proximity of the power tool.
- Secure the workplace against accidental access by third parties, e.g. with warning signs. Only persons involved and wearing adequate protective equipment and clothes must be present within 30 meters [approx. 30 yards] around the working area.
- Check the site of deployment for possible dangers.
  - Spark formation during cutting means that work must never be performed close to potentially explosive gases of liquids, or easily flammable objects.
  - No electrical lines, water or gas pipes or flammable substances must be placed in the area to be cut.
  - Objects that may fall off or topple over during work must be secured or removed from the working environment first.
  - Prepare the workplace so that secure operator mobility is possible.
- The work piece to be cut must be free of foreign bodies such as screws, nails or stones.
- When working in residential areas, observe the noise protection provisions.
- Work carefully, considerately and calmly and do not endanger others.
  - Ensure good sight and light conditions.
  - Always remain within calling distance of other persons who may administer first aid in emergencies.
  - Schedule work breaks.
  - Be attentive towards possible danger sources and take the corresponding preventive measures. Consider that use of hearing protection limits perception of sounds. Signal sounds, calls, etc. that announce danger may also be missed.
  - Observe tripping dangers and obstacles. Never work on unstable grounds.
  - Always hold the power tool with both hands and always ensure a safe and firm stance.
  - Never cut standing on a ladder.
  - Guide the power tool so that no body part is located in the extended swivel range of the cut-off wheel.
  - Do not hold the work piece in your hand and bring it into contact with the wheel.
  - Bring the rotating cut-off wheel into contact to the work piece.
    Never touch the floor or other objects with the cut-off wheel running.
  - Do not use the power tool to level off and shovel away objects.
- Switch off the engine when the power tool starts to behave noticeably differently.
- Danger of burns! Do not touch the muffler while it is still hot.
  Danger of fire! Muffler radiates enormous heat.
  Never put the hot power tool into dry grass or on flammable objects.
- Danger of hearing damage and burns!
  Never work with defective muffler or without muffler.

3.10 Dust emission



Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm.

California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

- If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheet and/or consult your employer, the material manufacturer/supplier, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials and make certain to comply with all product warnings and instructions for the safe and effective use of the material being cut.
- Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturer/supplier, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet cutting is feasible.
- When the hazards from inhalation of dust, mists and fumes cannot be eliminated through engineering controls such as vacuum and/or water mist, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the material being cut.

Grinding/cutting/drilling of masonry, concrete and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer.

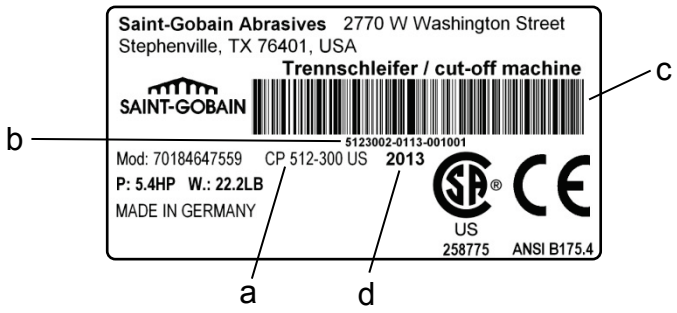
- When cutting such materials, always follow the respiratory precautions mentioned above.

4 Power tool description

4.1 Scope of delivery

- Basic device
- Cut-off wheel
- Spindle adapter disk for cut-off wheels with 1" inner bore
- Tools: Combination tool (spark plug wrench with screwdriver), blocking pin and additional small screwdriver
- These operating instructions

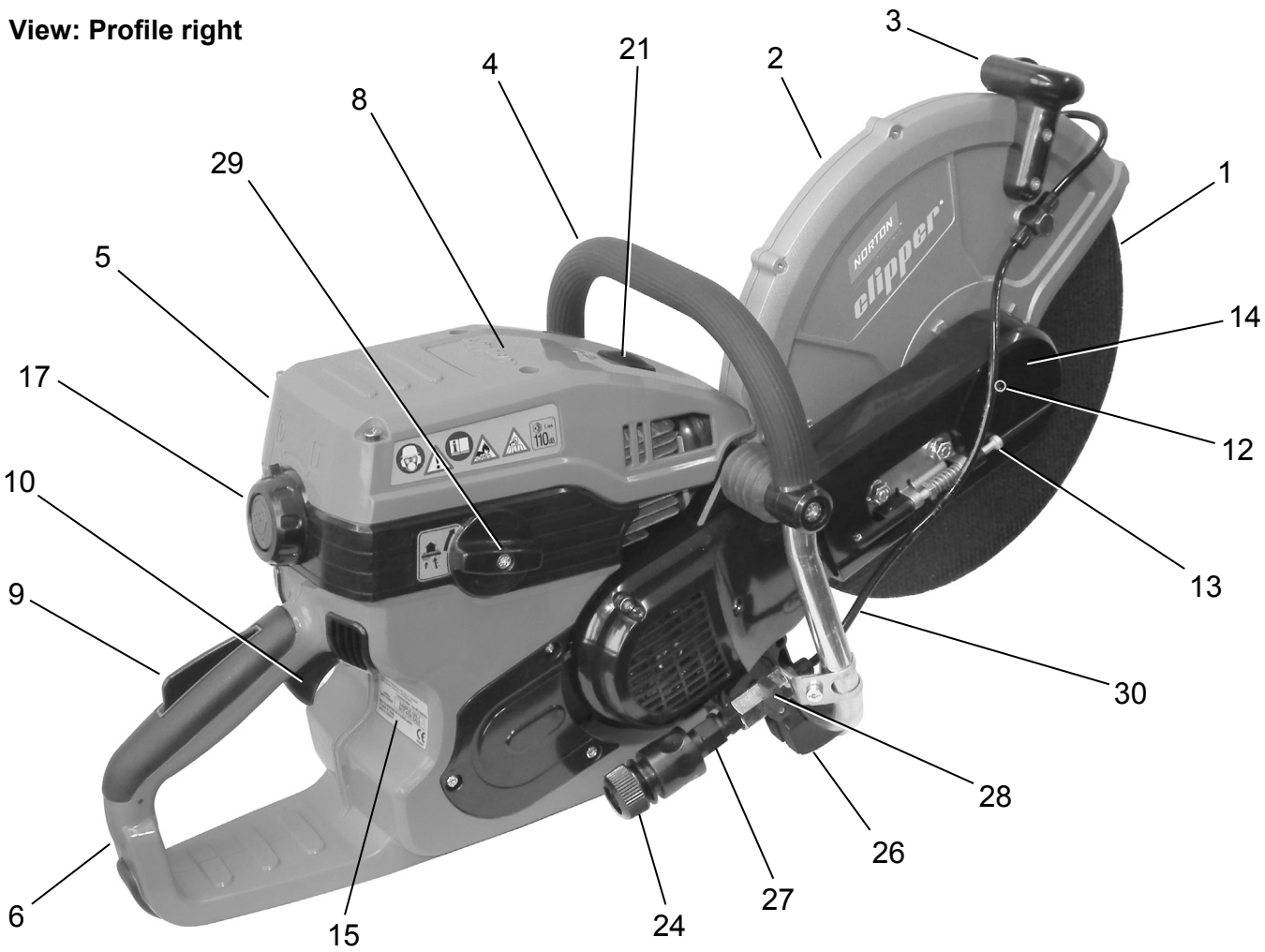
4.2 Type plate



a: Type designation
b: Serial number
c: Bar code
d: Year of build

4.3 Device views and important operating and function parts

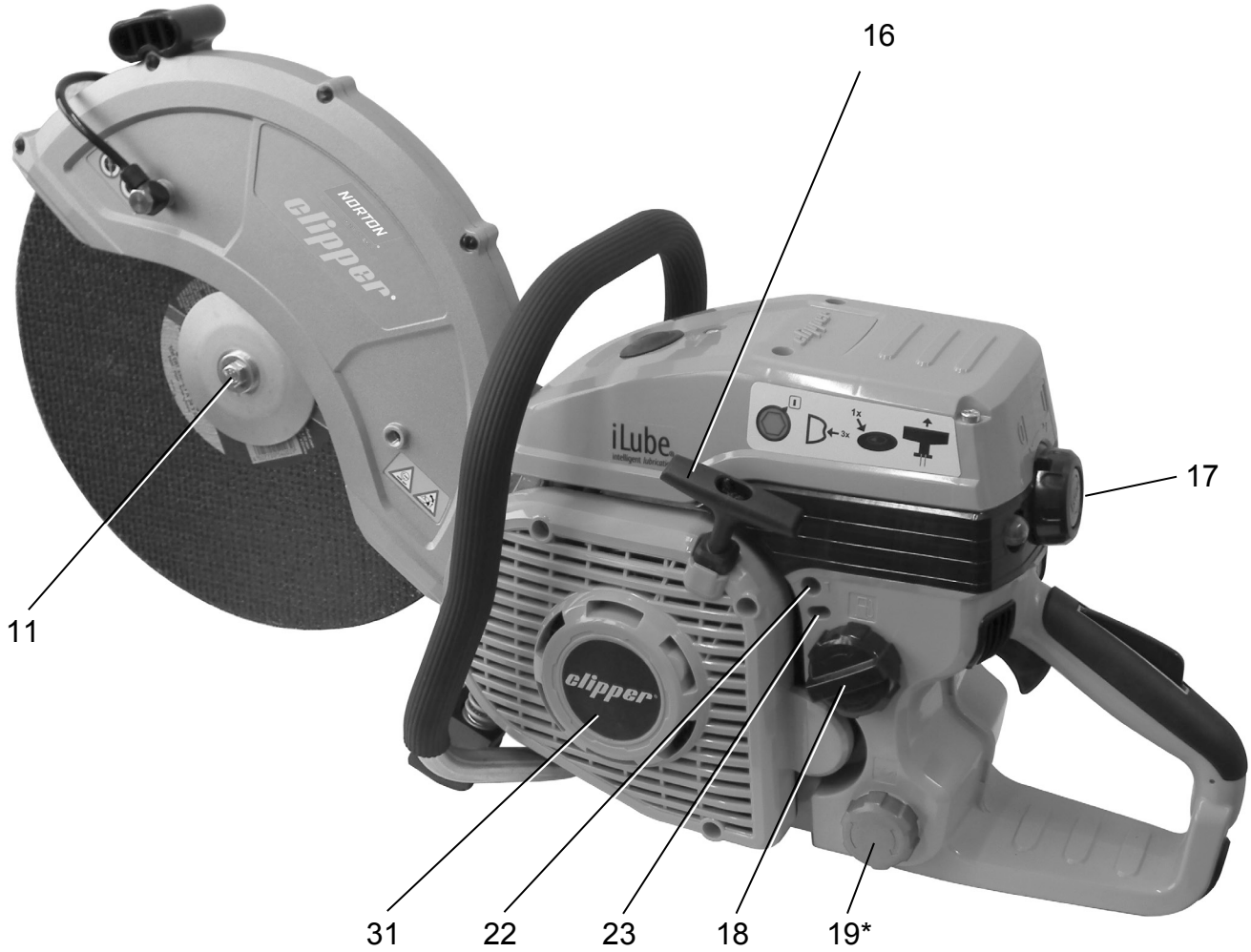
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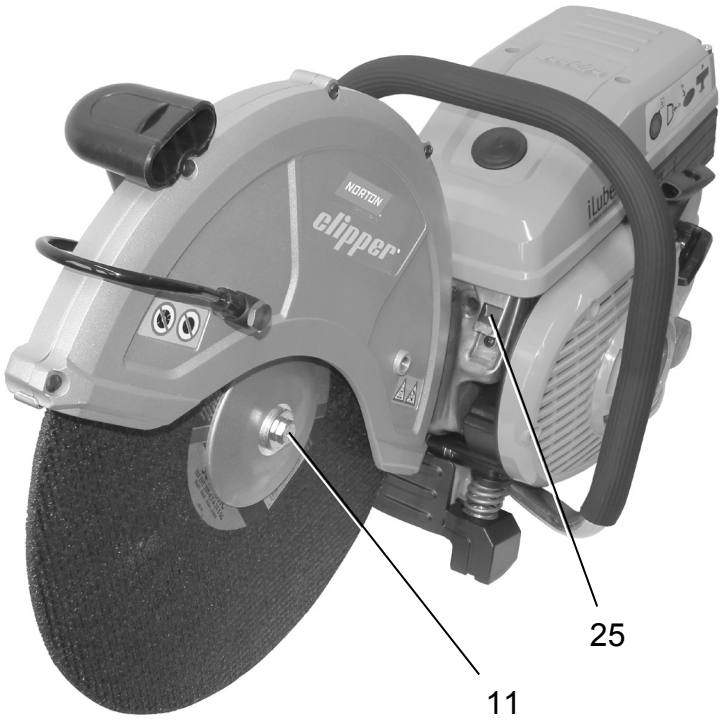
1. Cut-off wheel	16. Starter handle
2. Wheel guard	17. Stop dial / one-touch stop button
3. Handle for wheel guard adjustment	18. Fuel tank cap
4. Top handle	19*. Oil tank cap, green (only for CP512-300i and CP514-350i)
5. Guard	20. Primer
6. Rear handle	21. Decompression valve
7. Twin-pipe intake openings	22. Idle stop screw "T"
8. Spark plug cover	23. Carburetor adjustment screws "L" and "H" (for specialist workshops only)
9. Throttle control lock	24. Water coupling connection (wet cutting)
10. Throttle control	25. Muffler (exhaust)
11. Cut-off wheel attachment screw	26. Standing base
12. Cut-off wheel blockage opening	27. Screen filter coupling adapter of the water supply line
13. Ribbed belt tensioning screw	28. Valve lever for water supply
14. Ribbed belt cover	29. Vibration dial
15. Type plate	30. Water supply line (wet cutting)
	31. Starter and fan housing with cooling air openings

* model-dependent

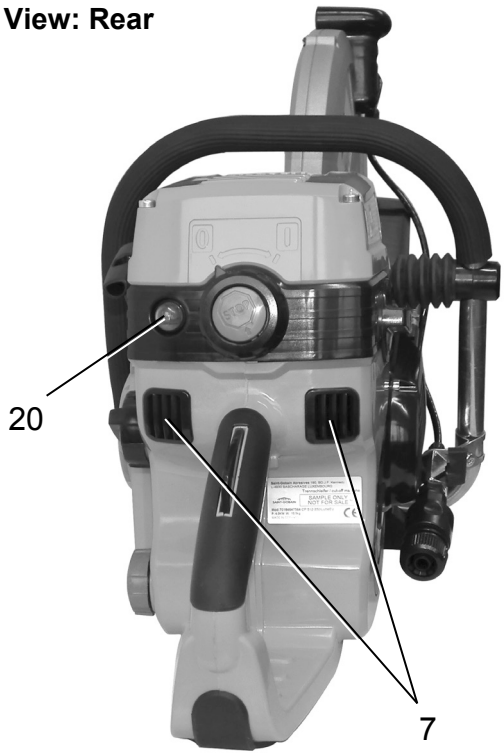
View: Profile left



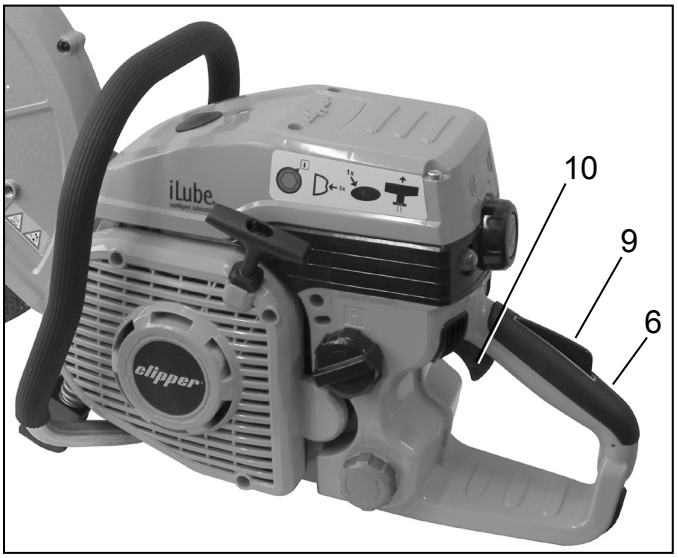
View: Front left



View: Rear



4.4 Throttle control lock and throttle control



Release of the throttle control (10)

- Grasp rear handle (6) with the right hand. The throttle control lock (9) is operated with the palm.
  ➔ The throttle control (10) is released.

4.5 Function parts for starting

Starter handle (16) and starter rope; ➔ Chap. 6.3, page 25

Primer (20)



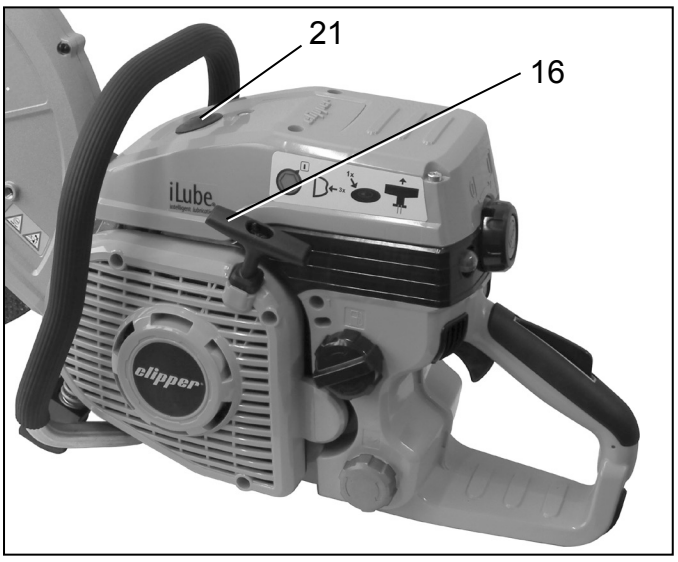
In the delivery condition, after extended resting time and with the tank completely empty, there is no fuel yet in the carburetor after fueling up.

Starting process: ➔ Chap. 6.1, page 24

To facilitate the starting process, fuel can be pumped into the carburetor. Push the primer (20) repeatedly until fuel appears in the primer.

Excess fuel is automatically flushed back into the tank from the primer.

Decompression valve (21)



When the decompression valve (21) is depressed, the compression pressure in the combustion chamber is reduced. This means that the engine offers less resistance during start-up, which makes it noticeably easier to start the engine.

Starting process: ➔ Chap. 6.1, page 24

The decompression valve is closed automatically when the motor is running.

If you need to pull the starter handle (16) more than once to start the engine (e.g. during a cold start), you do not need to depress the decompression valve again.

4.6 Technical data

Model	CP512-300	CP512-300i	CP514-350	CP514-350i
Motor	Single-cylinder two-stroke motor, four-channel flushing			
Engine capacity	81 cm^3 [4.94 cu.in]			
Bore Ø / stroke	52 mm / 38 mm [2.0" / 1.5"]			
Max. power at RPM	4.0 kW / 9,300 $^1/_{min}$ [5.36 HP / 9,300 RPM]			
Max. torque at RPM	4.8 Nm / 7,000 $^1/_{min}$ [3.54 ft·lbf / 7,000 RPM]			
Max. permissible speed	(9,500 ±200) $^1/_{min}$ [(9,500 ±200) RPM] (no load with cut-off wheel)			
Idling speed	(2,600 ±200) $^1/_{min}$ [(2,600 ±200) RPM]			
Clutch engagement speed	(4,000 ±200) $^1/_{min}$ [(4,000 ±200) RPM]			
Fuel tank capacity	0.9 l [30 oz]			
Oil tank capacity	---	0.32 l [10.8 oz]	---	0.32 l [10.8 oz]
Fuel mix ratio gasoline:oil	50:1	---	50:1	---
Electronically controlled separate lubrication	---	✓	---	✓
Fuel consumption at max. power (ISO 7293)	1.75 kg/h [3.86 lbs/h]			
Specific consumption at max. power (ISO 7293)	460 g/kWh [0.76 lbs/HP·h]			
Carburetor, with primer	Position-independent, electronically controlled			
Air filter	Paper			
Ignition	Electronic digital ignition with index			
Cut-off wheel: Diameter Bore diameter Tightening torque of the attachment screw	12" [305 mm] 20 mm or 1" (30 ±2) Nm [22.1 ±1.48 ft·lbf]		14" [356 mm] 20 mm or 1" (30 ±2) Nm [22.1 ±1.48 ft·lbf]	
Minimum flange outer diameter	100 mm [3.9"]		100 mm [3.9"]	
Spindle diameter	20 mm [0.787"]		20 mm [0.787"]	
Maximum spindle RPM	4,550 $^1/_{min}$ [4,550 RPM]		4,550 $^1/_{min}$ [4,550 RPM]	
Cutting depth, max.	100 mm [3.9"]		125 mm [4.9"]	
Dimensions: height / width / length	430 mm / 267 mm / 750 mm [16.9" / 10.5" / 29.5"]		430 mm / 267 mm / 775 mm [16.9" / 10.5" / 30.5"]	
Weight without tank content and without cut-off wheel	10.1 kg [22.3 lbs]	10.4 kg [22.9 lbs]	10.2 kg [22.5 lbs]	10.5 kg [23.1 lbs]
Sound level[1,2] L_{Peq} (EN ISO 19432 Annex B)	98 dB(A)			
Sound power level[1,2] L_{Weq} (EN ISO 19432 Annex B)	108 dB(A)			
Weighted effective acceleration[1,3] $a_{hv,eq}$ (EN ISO 19432 Annex C): rear handle / top handle	4.5 m/s^2 / 6.0 m/s^2 [177 "/s^2 / 236 "/s^2]			

[1] In determining the following values regarding the acceleration of vibrations and sound, the different operating conditions were weighted in accordance with the current standards.

[2] Insecurity K purs. to EC directive 2006/42/EC: 2.5 dB(A)

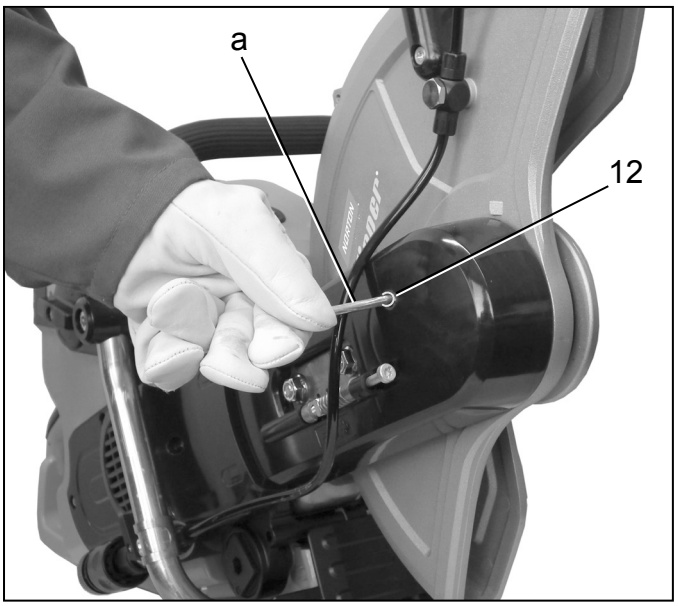
[3] Insecurity K purs. to EC directive 2006/42/EC: 2 m/s^2 [78.7 "/s^2]

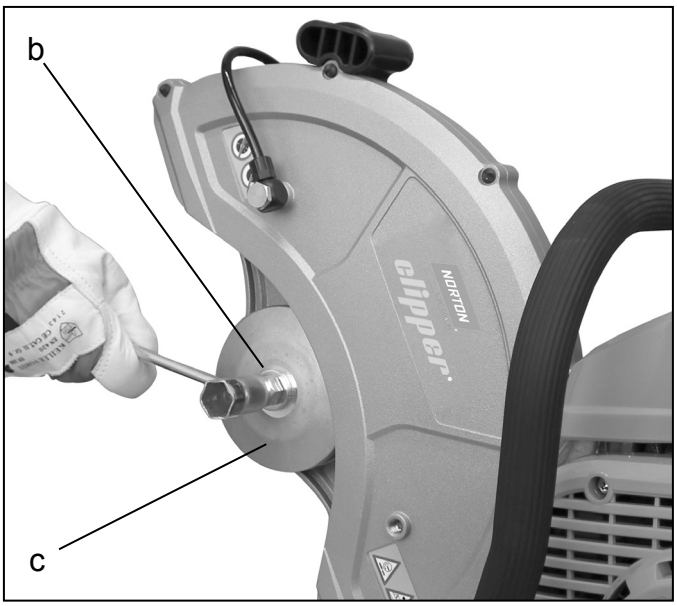
5 Preparing for use



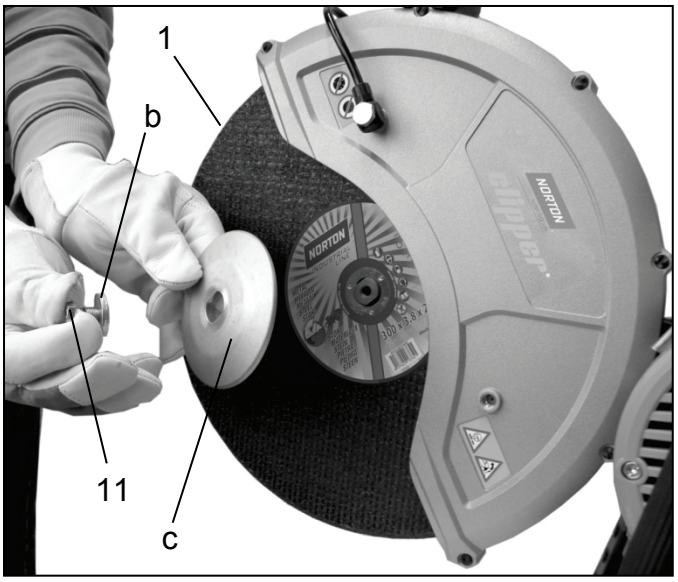
5.1 Installing the cut-off wheel

The cut-off wheels used must correspond to the specifications from chap. 7.1 on page 26!
The power tool spindle is designed for cut-off wheels with an inner bore of 20 mm.
Cut-off wheels with 1" inner bores must only be installed together with the spindle adapter disk.
Installation of cut-off wheels with 1" inner bore: ➔ Chap. 5.2, page 17!
When using cut-off wheels with an inner bore of 20 mm, no additional spindle adapter disk is required.





- For cut-off wheel installation, the power tool must be put securely on the ground. Securely hold the power tool at the top handle with the left hand and push it firmly onto the ground. ➔ Chap. 5.4, page 18
- Insert blocking pin (a) entirely into the cut-off wheel blocking opening (12) to block the spindle. Unscrew cut-off wheel attachment screw (11). Remove wheel (b) and outer mounting flange (c).





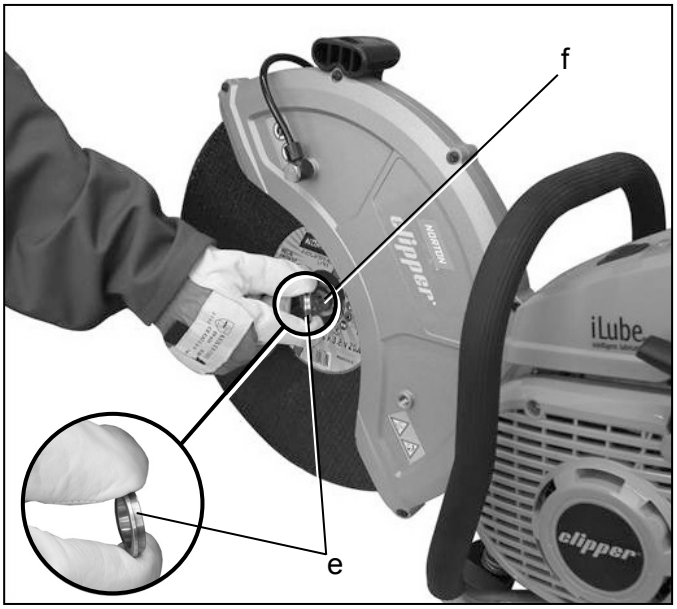
The rotating direction of the cut-off wheel is always as indicated by the arrow above – independently of whether the cutting device is installed in the center or outer position.

- Put cut-off wheel (1) on spindle.
  For cut-off wheels with specified rotating direction (arrow on the cut-off wheel), observe correct alignment of the cut-off wheel during assembly (for rotation direction of the cut-off wheel, see above).

- Push on outer mounting flange (c) so that the curved side points southwards, i.e. away from the cut-off wheel.
- Push on wheel (b) and turn in cut-off wheel attachment screw (11).
- Insert blocking pin (a) entirely into the blocking opening (12) and firmly tighten (30 Nm [22.1 ft·lbf]) the cut-off wheel attachment screw (11).
  Securely hold the power tool at the top handle with one hand and push it firmly onto the ground.
- Remove the blocking pin (a).

5.2 Installing cut-off wheels with 1" inner bore

The power tool's spindle is designed for cut-off wheels with an inner bore of 20 mm.
For proper installation of cut-off wheels with a 1" inner bore, the spindle adapter disk is required that is included with the delivery of the power tool.
The spindle adapter disk ensures correct fit of the 1" cut-off wheel on the spindle.

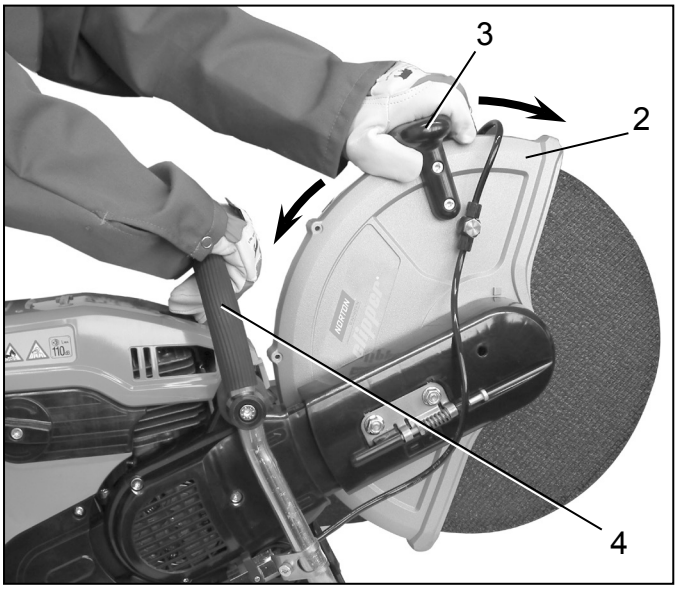


- Installation of cut-off wheels with 1" inner bore takes place according to chap. 5.1 as of page 16.
- After applying the cut-off wheel on the spindle, however, the spindle adapter disk (e) must be put on the spindle (f) additionally.
- Put the spindle adapter disk (e) onto the spindle so that it inserts between spindle and inner bore of the cut-off wheel.
  The support area of the spindle adapter disk must point outwards in the installed condition, i.e. away from the spindle.
  The correct orientation of the spindle adapter disk is mandatory to directly connect the plane inner area to of the outer mounting flange to the cut-off wheel. Only this warrants secure attachment of the cut-off wheel.
- Application of the outer mounting flange and all following steps must be performed again according to chap. 5.1.

5.3 Removing the cut-off wheel

- For cut-off wheel removal, the power tool must be put securely on the ground. Securely hold the power tool at the top handle with the left hand and push it firmly onto the ground. ➔ Chap. 5.4, page 18
- Insert blocking pin (a) entirely into the cut-off wheel blocking opening (12) to block the spindle.
  Unscrew cut-off wheel attachment screw (11).
  Remove wheel (b) and outer mounting flange (c) (also see chap. 5.1).
- Remove cut-off wheel from the spindle. For cut-off wheels with a 1" inner bore, the spindle adapter disk also must be removed from the spindle.
- Put the outer mounting flange back onto the spindle so that the curved side points outward.
- Put on wheel (b) and turn in the cut-off wheel attachment screw (11) again. ➔ Chap. 5.1.
- Insert blocking pin (a) entirely into the blocking opening (12) and firmly tighten (30 Nm [22.1 ft·lbf]) the cut-off wheel attachment screw (11) again.
  Securely hold the power tool at the top handle with one hand and push it firmly onto the ground.
- Remove the blocking pin (a).

5.4 Adjusting the wheel guard



The wheel guard (2) can be rotated forward and backward in a limited area.

For adjustment of the wheel guard, the power tool must be put securely on the ground. Securely hold the power tool at the top handle (4) with the left hand and push it firmly onto the ground. With the right hand at the handle for wheel guard adjustment (3), rotate the wheel guard accordingly.

To keep sparks and particles away from the user, the wheel guard always must be rotated forward as far as the working situation permits.

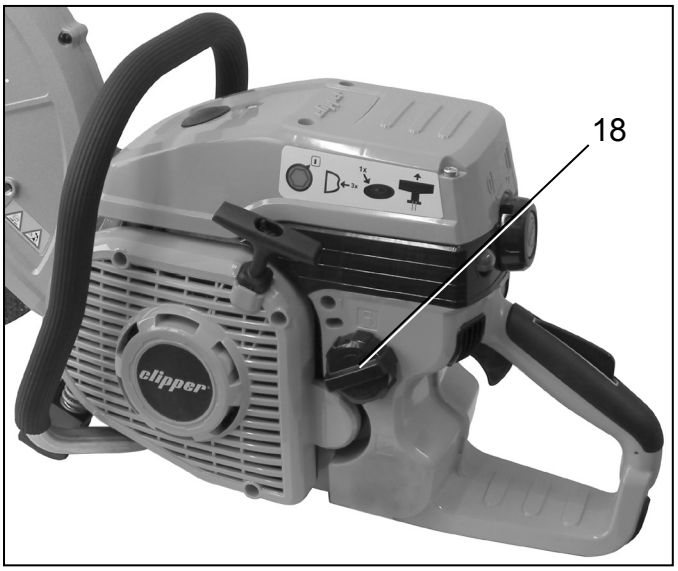
If the separating device has been installed in the outer position, ensure when adjusting the wheel guard that the water supply line is not clamped and that contact between the cut-off wheel and water supply line in operation is excluded.

5.5 Fueling up

Danger to health!
Direct skin contact with gasoline and breathing in of gasoline fumes must be excluded.

The high-performance two-stroke engine of this power tool requires a gasoline-oil mix in the combustion chamber (gasoline and oil = fuel mix).

Models CP512-300 and CP514-350



Models CP512-300 and CP514-350 are equipped with a fuel tank (18).

Fuel tank for fuel mix according to the mix table below.

Unsuitable fuels or deviations of the mix ratio may cause engine damage!

The fuel mix must be formed from the following components:

- Lead-free midgrade gasoline or lead-free premium gasoline with a minimum pump octane number of 89 $^{(R+M)}/_{2}$.
- Branded 2-stroke engine oil corresponding to the standard ISO-L-EGD or JASO FD

Store the fuel mix no longer than 3 weeks.

Mix table for fuel mix:

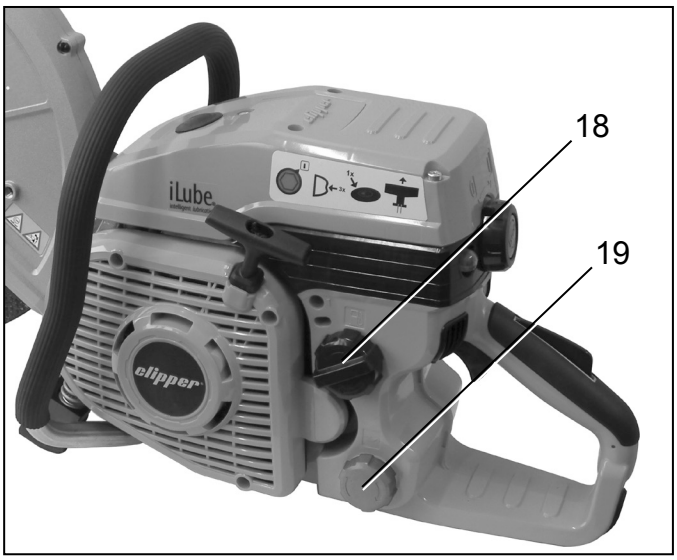
Gasoline:oil ratio = 50:1 (2 %)	
Gasoline	**Branded 2-stroke engine oil**
1 l	20 ml
2 l	40 ml
5 l	100 ml
10 l	200 ml

Gasoline:oil ratio = 50:1 (2 %)	
Gasoline	**Branded 2-stroke engine oil**
1 gal	2.6 US fl. oz
2.5 gal	6.4 US fl. oz
5 gal	12.8 US fl. oz

Instead of a self-produced fuel mix, you may also use a pre-mixed special fuel mix for two-stroke motors.
Recommendation: Use the special fuel mix of the brand "Aspen 2-stroke". The special fuel manufacturer's information must be observed.

Models CP512-300i and CP514-350i with iLube®

Models CP512-300i and CP514-350i are equipped with a fuel tank and an oil tank each that must be filled according to the specification below
The fuel mix is automatically formed during operation in these models (separate lubrication, iLube®, Intelligent Lubrication).



Fuel tank (18) for lead-free midgrade gasoline or lead-free premium gasoline with a minimum pump octane number of 89 $^{(R+M)}/_{2}$.

Do not fill any fuel mix into the fuel tank (18)!

Oil tank (19, green cap) for branded 2-stroke engine oil corresponding to the standard ISO-L-EGD or JASO FD.

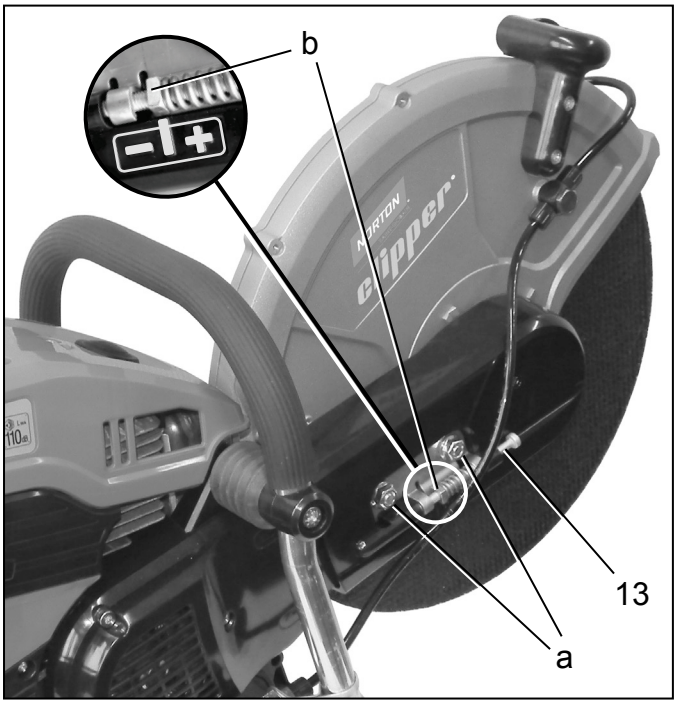
If there is not enough oil in the oil tank, the power tool will automatically reduce output even in the lower speed area and will not reach the speed required for work, which will be noticed by changed noise generation as compared to regular operation.
At this point at the latest, oil must be refueled.

Fill in operating media (fuel mix or gasoline and oil)

Observe the safety provisions when fueling up. Fuel up only with the motor switched off.

- Clean the fill-in area well.
- Put down the motor device so that the fuel tank cap points up.
- Unscrew the tank cap.
- To avoid contamination in the tank, use a screen funnel if possible.
- Fill the tank no farther than to the lower edge of the nozzle.
- Screw on the tank cap tightly again until the overturning protection clearly "skips".
- After fueling up, clean any splashed operating medium from the power tool.
- Never start or operate the power tool at the site of fueling.

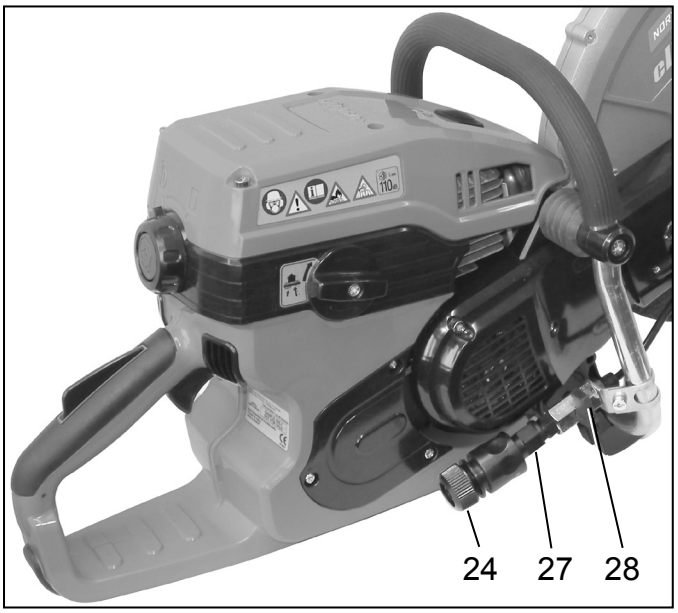
5.6 Adjusting the ribbed belt tension

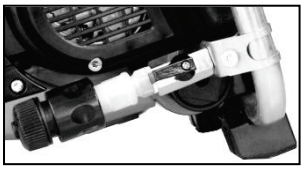


Generally, the ribbed belt tension must be set correctly when starting the power tool. At initial starting, at re-starting after extended stand still, after replacement of the ribbed belt or after any other assembly work, always check the tension and set the correct tension if required.

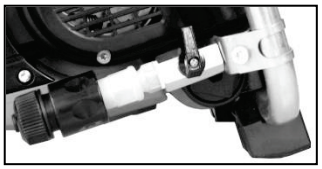
- Loosen both attachment nuts (a).
- Turn ribbed belt tensioning screw (13) towards the right (clockwise).
  ➔ Increase ribbed belt tension.
  The square nut (b) moves to the mark "+".
- Turn ribbed belt tension screw (13) towards the left (counter-clockwise):
  ➔ Reduce ribbed belt tension.
  The square nut (b) moves to the mark "−".
- The correct tension is reached when the square nut (b) is on the center mark (c), in between "+" and "−".
- Tighten both attachment nuts (a) again.

5.7 Water connection for wet cutting





water supply opened
(valve lever parallel)



water supply closed
(valve lever across)

Fine dust occurs when cutting mineral materials. Recommendation: Use the water connection and cut-off wheels suitable for wet cutting when cutting mineral materials.
When cutting with the water supply connected, the dust is suppressed, visibility is improved and the cut-off wheel service life is increased by the cooling effect of the water.

Before wet cutting:

- Connect suitable water line or suitable pressure tank to the coupling connection (24).
- Operate the valve lever (28) to open or close the water supply.

After wet cutting:

- Close the water supply, i.e. put the valve lever across the connection piece.
- Let the cut-off wheel run at high speed for another approx. 30 seconds to completely eject the water.

Cleaning the screen filter insert in the coupling piece (27): ➔ Chap. 8.2, page 30

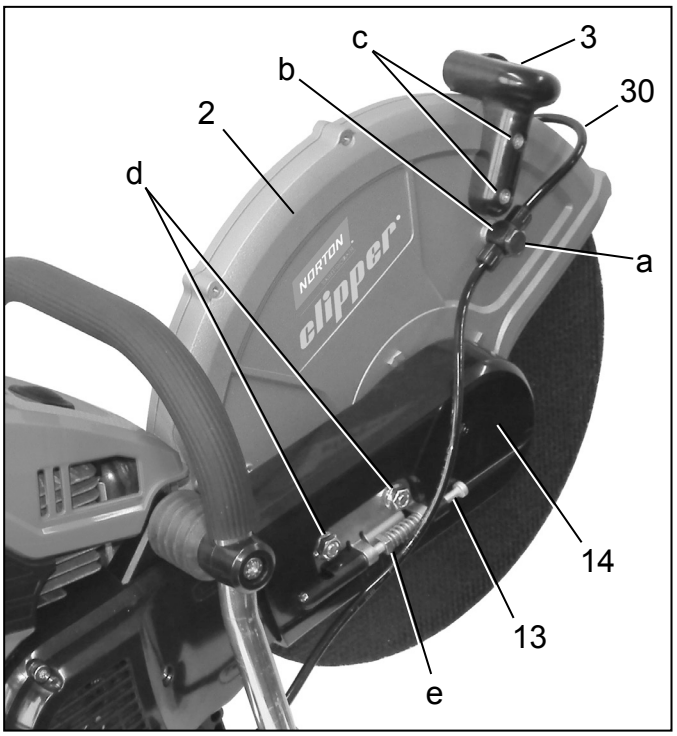
5.8 Relocate cutting device from center position to outer position

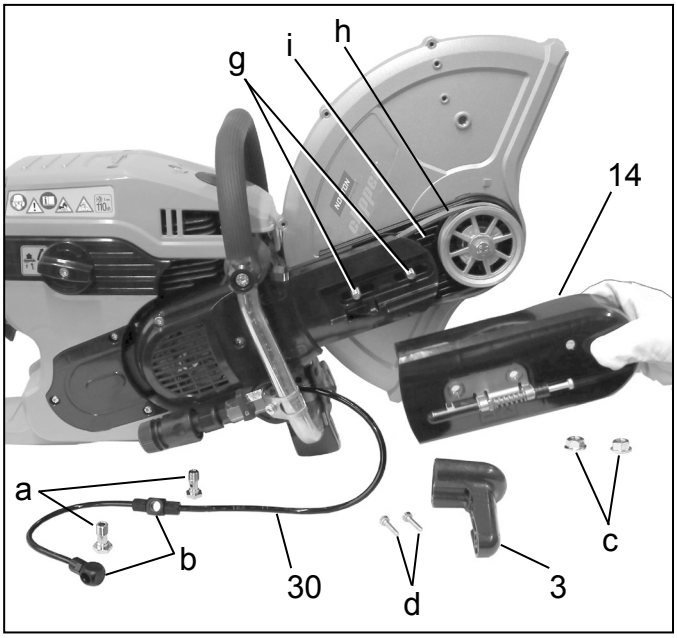
The power tool is delivered for operation of the cut-off wheel in the center position by default. Generally, the power tool is more balanced in the center position, because the weight is distributed symmetrically to the center axis and the cut therefore is easier to guide.

If obstacles are very close to the cutting location, it may be required to install the cutting device in the outer position so that the cut-off wheel is located farther towards the outside.

⚠ When working with the cut-off wheel in the outer position, observe the asymmetric weight distribution! If possible, work in the center position.

Conversion from center to outer position



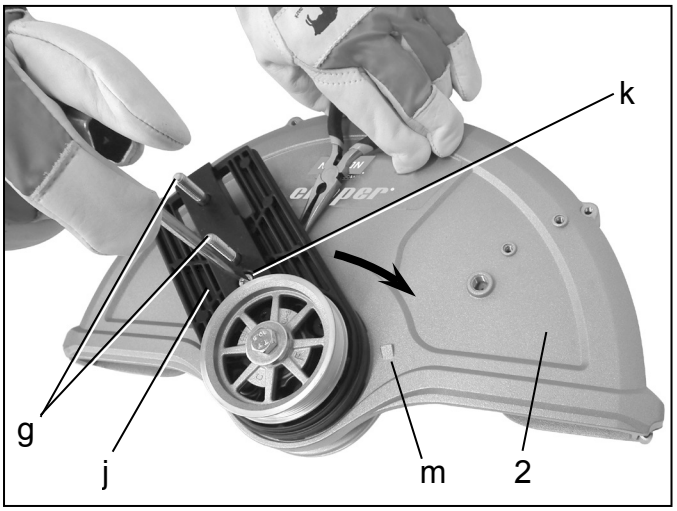


Preparation

- Put the power tool on level ground.
- Remove the cut-off wheel: ➔ Chap. 5.3, page 17
- Remove the water supply line (30):
  Unscrew the attachment screw (a) of the water supply line on the right and left sides of the wheel guard (2).
  Remove both adapter pieces (b) including the line from the wheel guard. Put down adapter pieces including line so that the line does not interfere with the following work steps and is not clamped.
- Remove handle for wheel guard adjustment (3).
  Loosen both attachment screws (c) of the handle for wheel guard adjustment and remove the handle.
- Loosen both attachment nuts (d) of the ribbed belt cover (14).
- Turn ribbed belt tension screw (13) towards the left, e.g. counter-clockwise, to reduce the ribbed belt tension.
  Turn until the square nut (e) has been moved towards the mark "−" as far as possible. When installing the cutting device in the center position (cf. figure), the square nut is all the way to the left; in case of installation in the outer position, it is located all the way to the right.
- Remove both attachment nuts (d) entirely.
- Remove the ribbed belt cover (14).

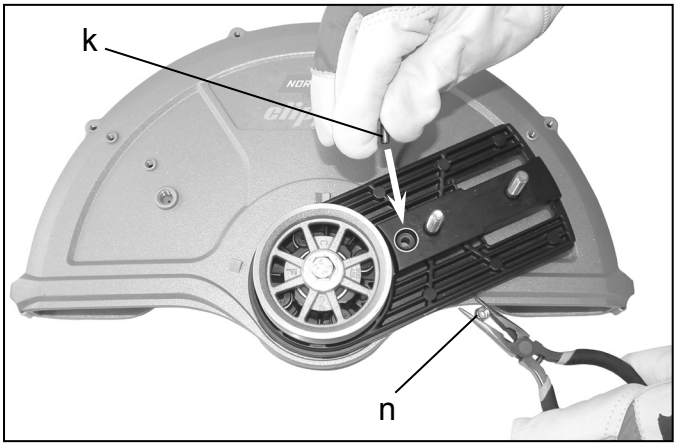
Remove wheel guard (2)

- Carefully move the wheel guard towards the motor unit. The screws (g) of the assembly flange (j) are moved within the oblong holes.
- Once the wheel guard has been moved towards the motor unit until the ribbed belt support (i) can be pulled through the ribbed belt (h), remove the wheel guard. Observe that the ribbed belt is not damaged by this.



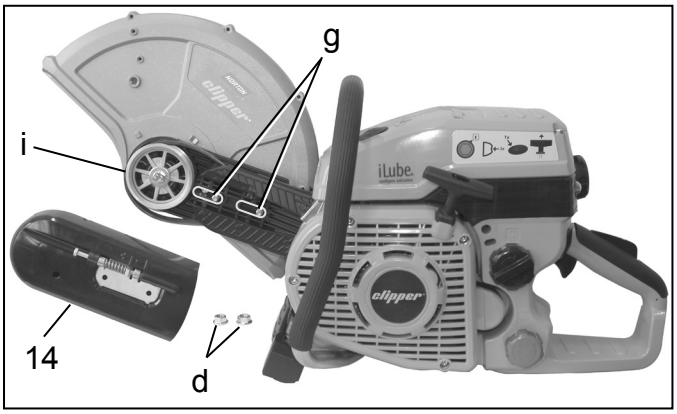
Loosen and turn assembly flange (j)

- Put the wheel guard on a level surface with the assembly flange (j) pointing up (screws (g) of the assembly flange point up).
- Turn out screw (k).
  Hold the nut below the assembly flange with flat pliers.
- Twist the assembly flange against the wheel guard so that the receptacle bore for the screw (k) is located between the center stop and the right stop (m) on the wheel guard. The assembly flange is hard to twist. Securely hold the wheel guard when twisting.



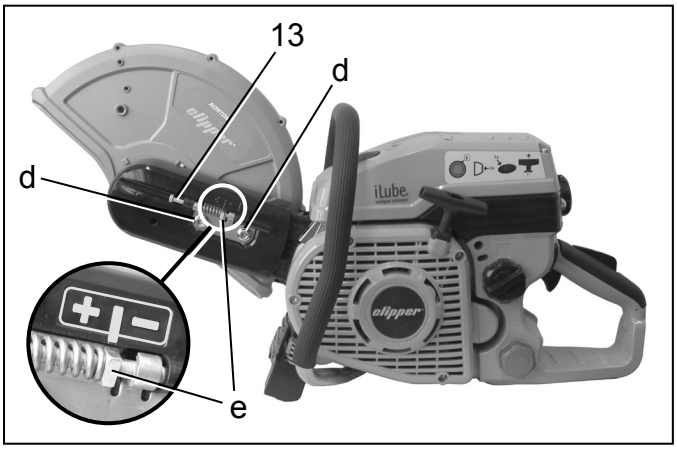
Limit wheel guard rotating angle with screw (k)

- Turn in screw (k) again.
  For this, guide the nut (n) below the assembly flange with flat pliers and hold it when turning in the screw.
  Turning of the wheel guard is limited by the stops on the wheel guard between which the nut can be moved.



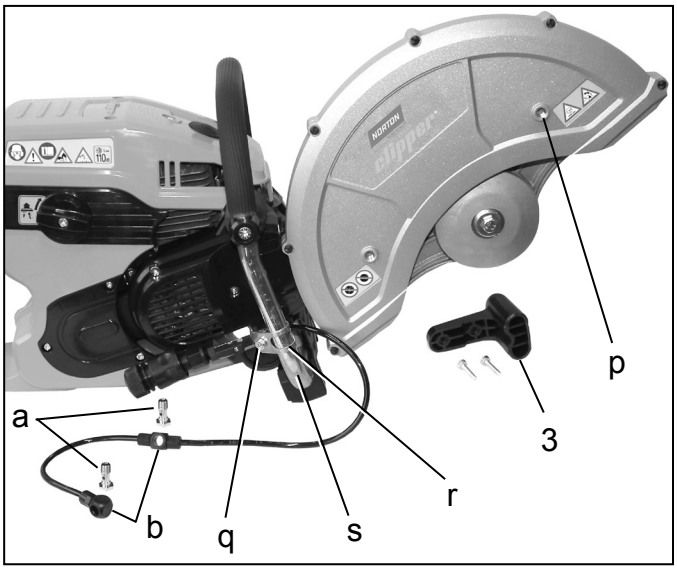
Install cutting device in the outer position

- Put the cutting device on the cutting device carrier in the outer position. For this, guide both screws (g) of the assembly flange through the oblong holes and put the ribbed belt support (i) into the ribbed belt.
- Check that the ribbed belt is running freely. Correct placement of the ribbed belt if required.
- Put on the ribbed belt cover (14) again.



Adjust the ribbed belt tension

- Screw both attachment nuts (d) of the ribbed belt cover onto the assembly flange screws. Only tighten the nuts manually so that the ribbed belt tension can still be set.
- Turn ribbed belt tension screw (13) towards the right, e.g. clockwise, to increase the ribbed belt tension). The correct tension is reached when the square nut (e) is on the center mark, i.e. between "+" and "−".
- Tighten both attachment nuts (d) firmly.



Move water supply line attachment upwards

The water supply line must be placed so that contact between water supply line and cut-off wheel in operation is excluded in all positions of the wheel guard.

- Place the water supply line so that it runs on the outside of the wheel guard and not between the wheel guard and the assembly flange.
- Push the attachment screws (a) of the water supply line into the adapter pieces (b).
- Place the adapter pieces on the right and left sides of the wheel guard above the associated threaded holes (p) and screw in the water supply line attachment screws.
- Loosen the screw (q) of the clamp (r) until the clamp can be moved upwards at the blank spar of the top handle (s).
- Push the clamp upwards so far that the water supply line can never be in contact with the cut-off wheel.
- Check placement of the water supply line when the wheel guard is rotated all the way to the front and correct if required.

Install handle for wheel guard adjustment and cut-off wheel again

- Install the handle for wheel guard adjustment (3) again to the wheel guard with the respective attachment screws.
- Install the cut-off wheel: ➔ Chap. 5.1, page 16

5.9 Initial starting / run-in behavior

After production, the power tool is subjected to an inspection and test process that ensures that the motor is then run in perfectly.
Therefore, no special measures are required for initial start-up.

6 Starting up and switching off the engine



Observe safety provisions!

6.1 Starting process



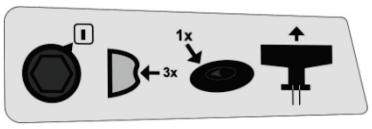
Starting preparations

- Put the power tool level and free from obstacles on the flat floor and observe that the cut-off wheel does not touch any objects.
- Put the wheel guard into the best position for the planned use. ➔ Chap. 5.4, page 18

Automatic mixture control for cold and warm start

The power tool has an electronically controlled carburetor. Therefore, no special settings are required for cold or warm start (e.g. manual operation of a choke).

Starting notes





- Turn the stop dial to the operating position "1".



- Before the first start, operate the primer. ➔Chap. 4.5, page 14



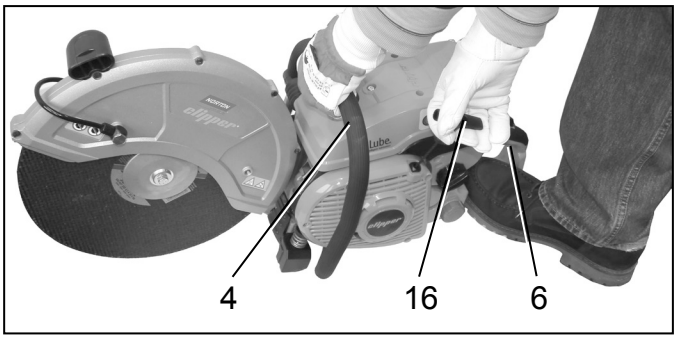
- Before starting-up, push the decompression valve. ➔ Chap. 4.5, page 14
- Put the power tool in start-up position. ➔ Chap. 6.2, page 25



- Pull on the starter handle. ➔ Chap. 6.3, page 25

6.2 Start-up position

Avoid any contact between the cut-off wheel and body parts or objects.

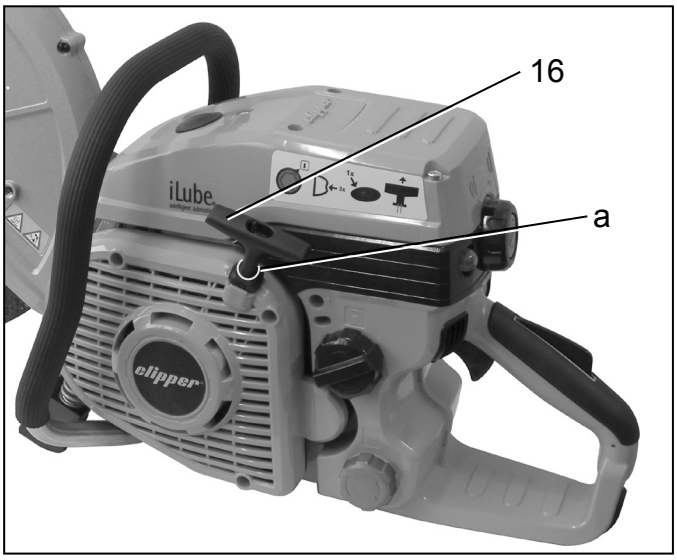


- Put one foot on the rear handle (6) to support the power tool against the floor.
- Securely hold the power tool at the top handle (4) with one hand and push it firmly onto the ground.
- Operate the starter handle with the other hand (16).

Other start-up positions are not permissible!

6.3 Switching on the engine

The following notes serve to increase the service life of the starter mechanism:



- Initially pull out the starter handle (16) slowly until resistance can be felt for start-up (upper dead point of the piston).
- Then quickly and strongly pull through the starter handle.
- Always pull out the rope straight.
- Do not let the rope scrape across the rope eyelet edge (a).
- Danger of breaking rope!
  Do not pull out the rope to the stop.
- Always return the starter handle to its initial position – do not let it snap back.

Damaged starter ropes can be replaced by specialist workshops authorized by the manufacturer.

6.4 Switching off the engine

Release the throttle control and push the one-touch stop button.

Ensure that the cut-off wheel has stopped before putting down the power tool.

Recommendation: Turn the stop dial to "0" only for maintenance work to prevent accidental start-up of the engine. When operating the power tool, always push the one-touch stop button to switch off the engine.

7 Power tool use



Always observe all safety notes and all other information in all chapters of these operating instructions for any work!

Check list for use (keywords only!) ..... ➔

- Before start-up:
  - Power tool in an operationally safe condition! ..... ➔ Operating instructions complete
  - Prescribed work clothes ..... ➔ Chap. 3.3, page 7
  - Working area inspected and secured ..... ➔ Chap. 3.2, page 6, and chap. 3.9, page 10
  - Correct cut-off wheel firmly installed. ..... ➔ Chap. 5.1, page 16, and chap. 7.1, page 26
  - Wheel guard in best position ..... ➔ Chap. 5.4, page 18
  - Cutting device position, preferably center position ..... ➔ Chap. 5.8, page 21
  - Ribbed belt tension correct ..... ➔ Chap. 5.6, page 20
  - Tool properly fueled ..... ➔ Chap. 5.5, page 18
- Starting: ..... ➔ Chap. 6 complete, as of page 24
  - Starting preparations ..... ➔ Chap. 6.1, page 24
    - Stop dial in operating position ..... ➔ Chap. 6.1, page 24
- During work – generally safe work: ..... ➔ Operating instructions complete
  - Check idle settings ..... ➔ Chap. 8.3, page 31
  - Inspecting the working situation ..... ➔ Chap. 3.9, page 10, Chap. 7.2, page 27, and Chap. 7.3, page 28
  - Wet cutting preferred ..... ➔ Chap. 5.7, page 20
  - Secure working technique ..... ➔ Chap. 7.3, page 28, chap. 7.4, page 28, and chap. 7.5, page 28
  - Operating and maintenance notes complete ..... ➔ Chap. 8 complete, as of page 29
    - Air filter clean ..... ➔ Chap. 8.4, page 32
- After work: ..... ➔ Operating instructions complete
  - Cleaning and care ..... ➔ Chap. 8.1, page 29
  - Secure storage of power tool ..... ➔ Chap. 8.10, page 38
  - Maintenance ..... ➔ Operating instructions complete

7.1 Cut-off wheels

Only use cut-off wheels that correspond to the standards ANSI B7.1, EN 12413 and EN 13236 and that are undamaged.
The maximum spindle speed of the power tool is 4,550 min^{-1} [4,550 RPM].
Only use high speed reinforced cut-off wheels marked with a permissible maximum operating speed of at least 4,550 min^{-1} [4,550 RPM].

For processing of metals (hot cutting) and processing of mineral materials (cold cutting), different cut-off wheels are offered. Only use cut-off wheels approved for the material being cut.

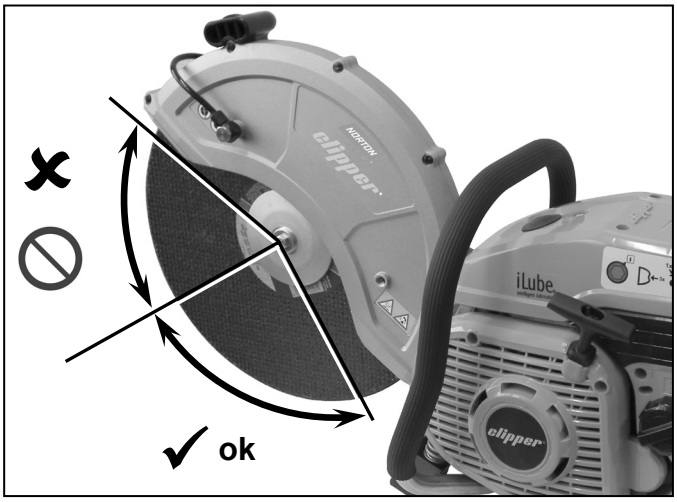
Diamond cut-off wheels are only approved for cutting mineral materials. When installing the diamond cut-off wheel, always observe the rotating direction indicated on the diamond cut-off wheel; otherwise, the cutting effect will reduce quickly from diamond loss.
Rotating direction of the cut-off wheel in the installed condition: ➔ Chap. 5.1, page 16

Abrasive resin cut-off wheels must not be exposed to moisture. The water connection for wet cutting must not be used when using abrasive resin cut-off wheels. Abrasive resin cut-off wheels must not be used in high humidity or in rain.

The power tool's spindle is designed for cut-off wheels with an inner bore of 20 mm.
Cut-off wheels with a 1" inner bore must only be installed with the spindle adapter disk supplied with the power tool.
Installation of cut-off wheels with 1" inner bore: ➔ Chap. 5.2, page 17
Cut-off wheels with other inner bores must not be installed! Never modify the bore of the cut-off wheel!

New cut-off wheels must be tested for at least 60 seconds at the indicated maximum speed before the first cutting process. No body parts must be located in the extended swivel range of the cut-off wheel.

7.2 Permissible cutting area and danger from kickback or pinching



✘ The upper part of the cut-off wheel must not be used for cutting!

✓ Only the lower part of the cut-off wheel must be used for cutting!

Danger of injury from kickback!
Kickback results when the upper part of the cut-off wheel is used for cutting.
The power tool is pushed towards the user's head uncontrolledly and at high speed.

- Never cut with the upper area of the cut-off wheel!
- Take special care at insertion into cutting areas already started!

Danger of injury from pinching!
Pinching results when the cutting point becomes more narrow (crack or tensioned work piece).
The power tool is accelerated forwards uncontrolledly and under high energy.

- Always perform cutting and repeated insertion into cutting points already started at the maximum speed.
- Always support the work piece so that the cutting point is under tension so that the cut-off wheel is not clamped when cutting any further.
- When starting cutting, carefully move the cut-off wheel to the work piece; do not apply it suddenly.
- Never cut several work pieces at once!
- Ensure that no other work piece is touched when cutting.

7.3 Working behavior and working technique

- For complex cutting processes, cutting direction and order of the cuts to be performed must be specified in advance to prevent pinching of the cut-off wheel by the removed part and injury from dropping parts.
- Always hold the power tool with both hands. Have the right hand on the rear handle, the left hand on the top handle. Firmly grasp the handles with your thumb.
- Operate the power tool at high speed when possible.
- Direction change (cutting radius below 5 m [approx. 15 ft]), side pressure, twisting or tilting of the power tool during cutting is forbidden.
- When shortening work pieces use a secure support and secure the work piece against slipping and twisting. The work piece must not be held with your foot or by another person.
- Always be ready for sudden kickback of the work piece and warrant the possibility of securely backing away.
- Make sure that cut-off sections cannot fall resulting in injury or property damage.

7.4 Cutting metal



Always wear breathing protection equipment at dry cutting.

Metals are heated and melted at the point of contact by the fast rotation of the cut-off wheel.

- Rotate the wheel guard down as far as possible for sparks to fly forward where possible, i.e. away from the user.
- Before cutting, specify and mark the cutting joint, and approach the material with the cut-off wheel at medium speed. Only when the guide groove is cut, continue cutting at full throttle and increased pressure.
- Only cut straight and vertically. Do not tilt or twist.
- For a secure and smooth cut, it is best to pull or to move the power tool in a controlled fashion. When moving the power tool, do not push the cut-off wheel into the material in addition to the thrust caused by the wheel's rotation.
- Large diameter round rods are best cut in steps.
- Thin tubes can be cut with a single sinking cut.
- Tubes with large diameters should be treated like large diameter rods. To avoid tilting and for better control of the cutting process, do not let the cut-off wheel sink into the material too far. Do not allow the mounting flanges of the cut-off wheel fastening to come into contact with the work piece.
- Double-T carriers or angled steel should be cut in steps.
- Steel bands or steel plates are cut like tubes; pulling flat with long cutting area.
- Material under stress (supported or material in a wall) always has to be grooved slightly on the compression side and then cut from the tension side so that the cut-off wheel is not pinched.

7.5 Cutting mineral materials

Cutting mineral materials such as concrete creates a lot of fine dust.
Recommendation: Use the water connection of the power tool and cut-off wheels suitable for wet cutting when cutting mineral materials.
When cutting with water supply, the dust is reduced, visibility is improved and the cut-off wheel service life is increased by the cooling effect of the water.
Water connection for wet cutting: ➔ Chap. 5.7, page 20

Small pieces of mineral materials may be ejected from the cutting groove by the quick rotation of the cut-off wheel.

- Rotate the wheel guard down as far as possible so the cut particles are ejected away from the user.
- Mark the cutting line and grind a groove of approx. 5 mm [approx. 3/16"] along the entire line at half throttle that will guide the power tool precisely for the subsequent cutting process.
- Perform the cutting process with even movements back and forth.
- When fitting stone plates, application of a flat groove is sufficient (avoiding unnecessary dust formation), to then cleanly strike off the protruding piece on a flat support.

8 Operating and maintenance notes



Maintenance and repairs of state-of-the-art power tools and their safety-relevant assemblies require qualified specialist training and a workshop equipped with special tools and test devices.
Recommendation: Have all work not described in these operating instructions and all work you are not comfortable with be performed by a specialist workshop authorized by the manufacturer. The specialist has the required training, experience and equipment and can make the most cost-efficient solution available to you. He will advise and support you.



Observe the safety provisions for any maintenance work!



After a run-in time of approx. 5 operating hours, all screws and nuts that can be reached (except for carburetor adjustment screws) must be checked for tight fit and tightened again if required.

It is best to keep the power tool in a dry and safe site with a full fuel tank.
There must not be any open sources of fire or the like nearby.
Before extended storage (> 4 weeks), observe the notes in chap. 8.10 on page 38.

8.1 Cleaning and care



The power tool must be cleaned thoroughly after every use and checked for damage; in particular the cooling air openings in the starter housing must be clean and free.
Inside the wheel guard, material deposits will form over time (in particular when wet cutting), which may impair free rotation of the cut-off wheel.

Only use the environmentally compatible cleaning agents offered by specialist vendors for cleaning. Never use fuel to clean!

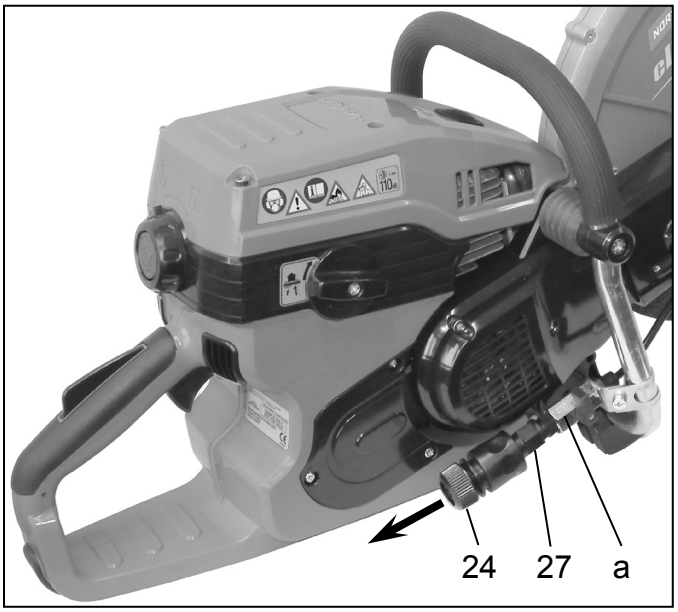
- Disassemble cut-off wheel and outer mounting flange. ➔ Chap. 5.3, page 17
- Remove material deposits inside the wheel guard with a wood bar or similar.
- Clean spindle and all disassembled parts and check them for damage.
- Clean cut-off wheel and check it for damage. If any damage is found, dispose of the cut-off wheel properly and immediately so that it is not reused in the next work deployment.
- Inspect the wheel guard for damage. If damaged, replace the wheel guard by an undamaged wheel guard before using the power tool and dispose of the damaged wheel guard properly and immediately.
- Install outer mounting flange, any other parts and cut-off wheel again. ➔ Chap. 5.1, page 16

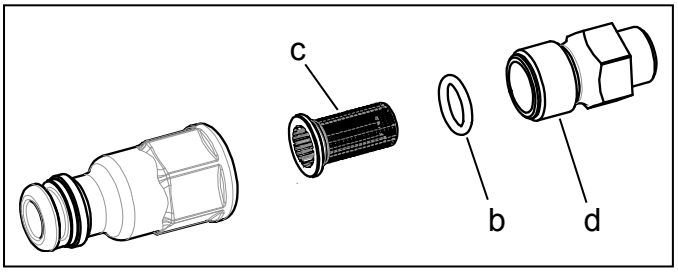
8.2 Cleaning the screen filter insert of the connection piece

The connection piece for the water supply line for wet cutting is equipped with a screen filter insert to prevent closure of the water supply line by contamination in the supplied water.
Water connection for wet cutting: ➔ Chap. 5.7, page 20

Danger of contamination for the water supply line!
Only open the water connection in a clean environment.

At a weekly interval or when there is no longer enough water supplied for wet cutting, the screen filter insert of the connection piece must be removed as follows and cleaned thoroughly:

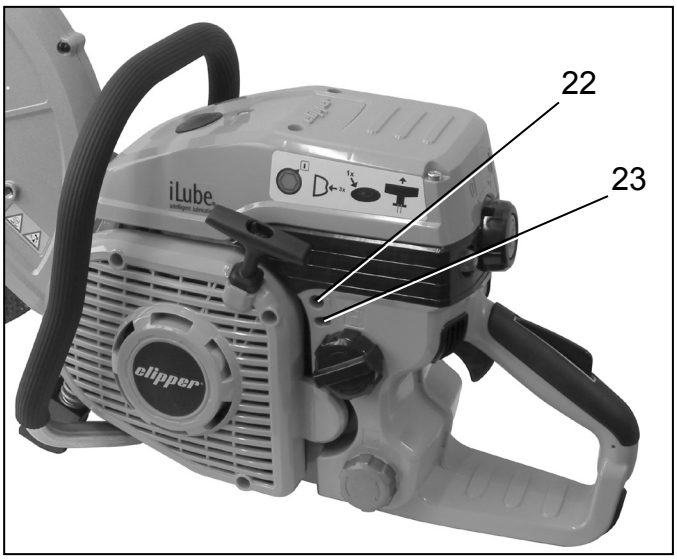




- Switch off the engine and turn the stop dial to "0". Switching off the engine: ➔ Chap. 6.4, page 25
- Remove the connection of the water supply line. For this, remove the coupling connection (24) from the screen filter connection piece (27) of the water supply line in the direction of the arrow.
- Turn out screen filter connection piece with suitable open-faced spanner from connection (a) of the water supply line.
- Disassemble screen filter connection piece (27) with suitable open-faced spanner.
- Remove screen filter insert (c) from screen filter receptacle (d) of the connection piece.
- Remove seal (b) from the screen filter insert.
- Flush the screen filter insert, the coupling connection, both parts of the screen filter connection piece and the seal with clean water until all residue of contamination has been removed.
- Push the seal (b) again on the screen filter insert.
- Re-insert the screen filter insert with the seal (b) in the screen filter receptacle (d) of the connection piece in the correct direction (see figure).
- Screw together the screen filter coupling piece.
- Screw the screen filter coupling piece into the connection (a) of the water supply line again.
- Push on the coupling connection again.

8.3 Idle/carburetor adjustment

The cut-off wheel must not rotate when idling!
The idle position must be inspected every time when taking up work and corrected if required.



For correct idle position, the motor should run smoothly in the idling mixture without driving the cut-off wheel.

The carburetor is preset perfectly at the factory. Depending on site of deployment, the idle settings may have to be adjusted via the idle stop screw "T" (22).

The carburetor adjustment screws "L" (idle mix control) and "H" (full load mix control) (23) must only be set by specialist workshops authorized by the manufacturer.

Idle stop screw "T"

The idle stop screw "T" can be adjusted with the small screwdriver from the delivery.

The air filter must be clean for correct adjustment. Air filter maintenance: ➔ Chap. 8.4, page 32
Let the engine warm up before performing adjustments.

To set the idle speed indicated in the technical data (chap. 4.6, page 15), proceed as follows – preferably using a speed meter:

- Idle speed too high (in particular if the cut-off wheel is already driven without throttle):
  ➔ Open the idle stop screw "T" counter-clockwise a little.
- Idle speed too low (i.e. the engine goes out with the idling mixture):
  ➔ Close the idle stop screw "T" clockwise a little until the engine runs smoothly with the idling mixture without going out.

If a perfect carburetor setting cannot be achieved by turning the idle stop screw "T", have the carburetor set by a specialist workshop authorized by the manufacturer.

8.4 Air filter maintenance



A contaminated air filter will reduce output. Fuel consumption and hazardous substance quantity in the exhaust increase. Starting is made more difficult as well.

Interim emptying of the air filter



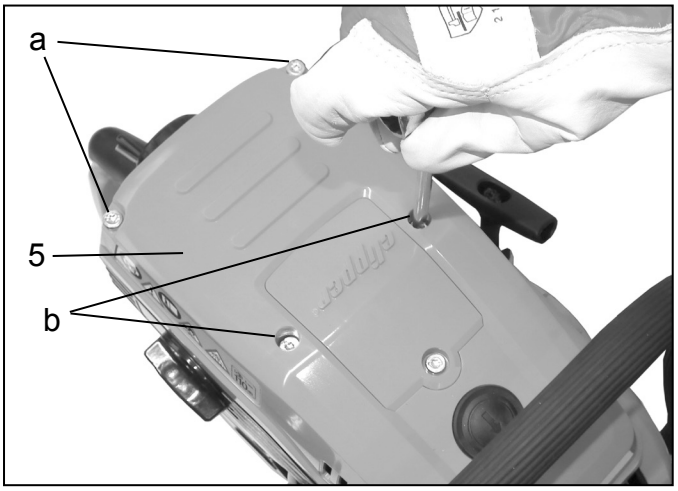
Turn vibration dial (29) to perform rough interim emptying of the air filter during work. The air filter box and air filter are shaken so that loose dust falls off. Slightly tilt the power tool back and let dust fall out of the intake openings. Turn the vibration dial repeatedly if required.

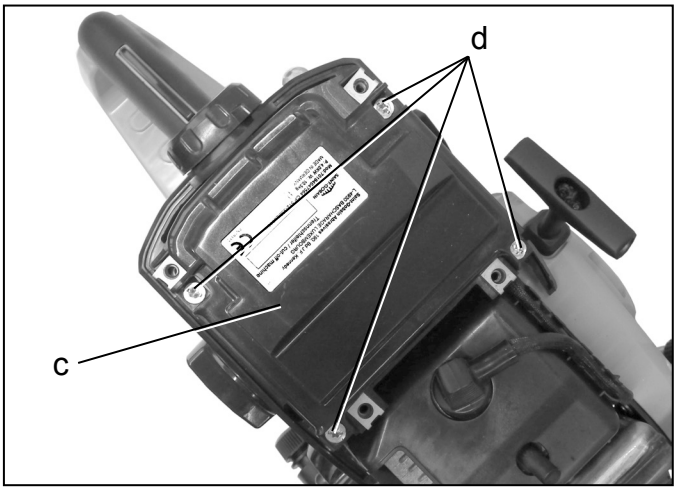
Cleaning the air filter

At weekly intervals or when the engine output is clearly reduced, the air filter must be removed and cleaned thoroughly.

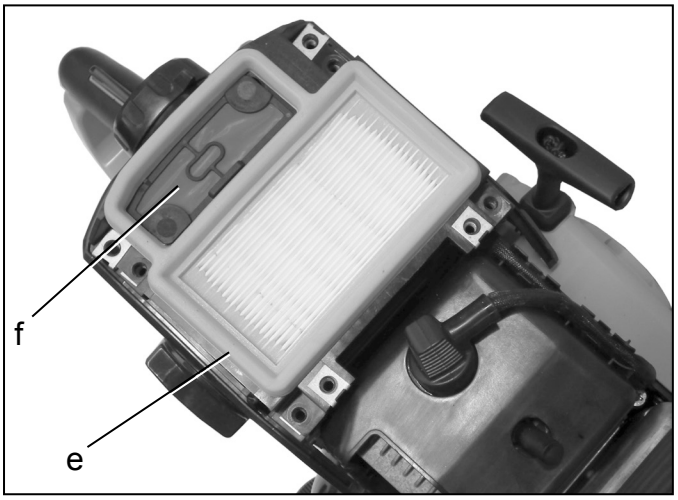


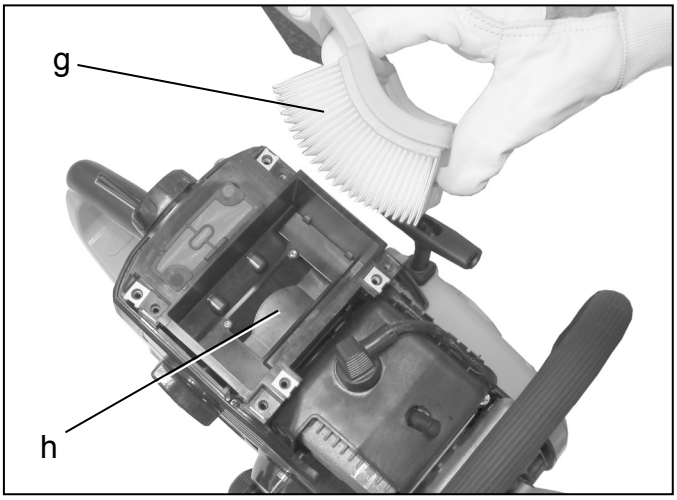
Danger of contamination for the filter inside!
Only open the guard and air filter box lid in a clean environment.





- Switch off the engine and turn the stop dial to "0". Switching off the engine: ➔ Chap. 6.4, page 25
- Loosen all four attachment screws (a) and (b) of the guard (5). Remove guard.
- Loosen all four attachment screws (c) of the air filter box lid (d) and take off the air filter box lid.





The fine-mesh cover (f) and the air filter (g) must not be cleaned wet or with compressed air.

Danger of engine damage from insufficient filter effect!
Replace damaged filter material at once!

- Take air filter by the air filter frame (e) and remove upwards.
- Simple contact or brush out of the individual paper layers (g) is best to clean the air filter.
- Take power tool with both hands to empty the air filter box (h).
- De-dust fine-meshed cover (f) next to the air filter box with a dry brush.
- Insert air filter again.
- Install housing parts again.

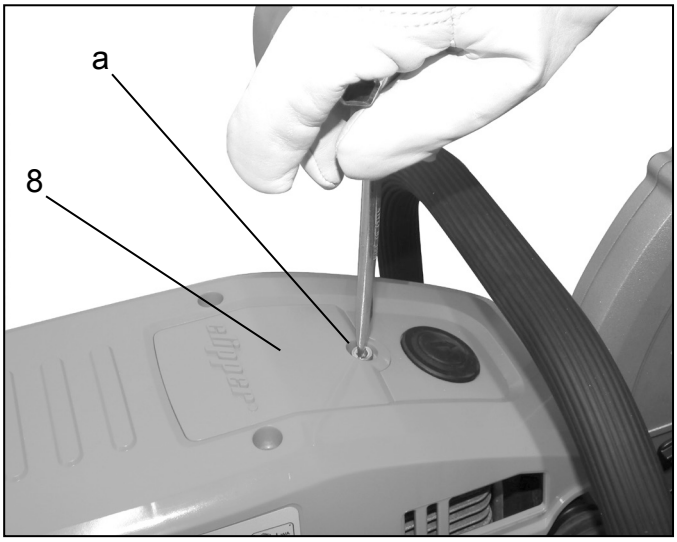
At re-installation of the housing parts, ensure correct placement of the housing parts, use the corresponding screws and tighten all screws again.
The guard attachment screws (a) and (b) must not be swapped. The two guard attachment screws (b) are shorter than the screws (a).

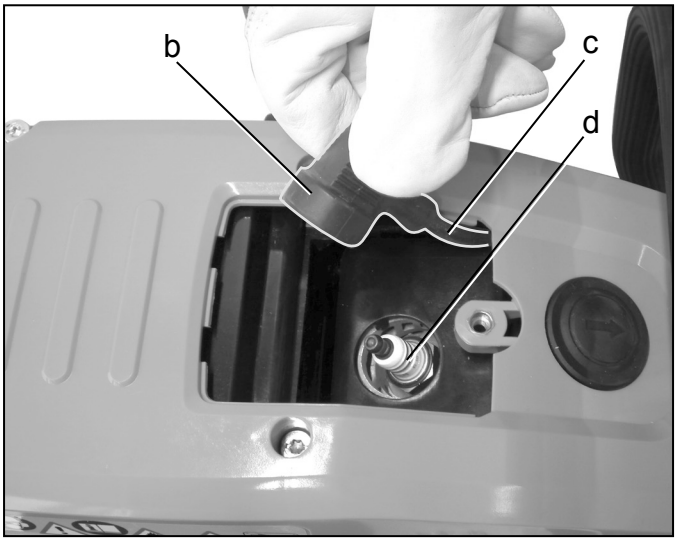
8.5 Spark plugs check and replacement if required



Danger of contamination for the power tool inside!
Only open the spark plug cover in a clean environment.

The spark plug must be inspected regularly every 50 operating hours.





- Switch off the engine and turn the stop dial to "0". Switching off the engine: ➔ Chap. 6.4, page 25
- Loosen attachment screw (a), lift spark plug cover (8) by the tab and then remove it.
- Remove spark plug connector (b) from the spark plug (d) below.

Danger of fire from spark formation!
Do not start up the engine with the spark plug (d) unscrewed or the ignition cable (c) removed from the plug.

- Unscrew spark plug (d) and dry off well.
- Clean spark plug with dry cloth and check electrodes. There must not be any foreign material between the electrodes. Brush out any foreign bodies with a spark plug brush.
- If the electrodes are strongly burned down, the spark plug must be replaced at once – otherwise, it must be replaced after 100 operating hours.



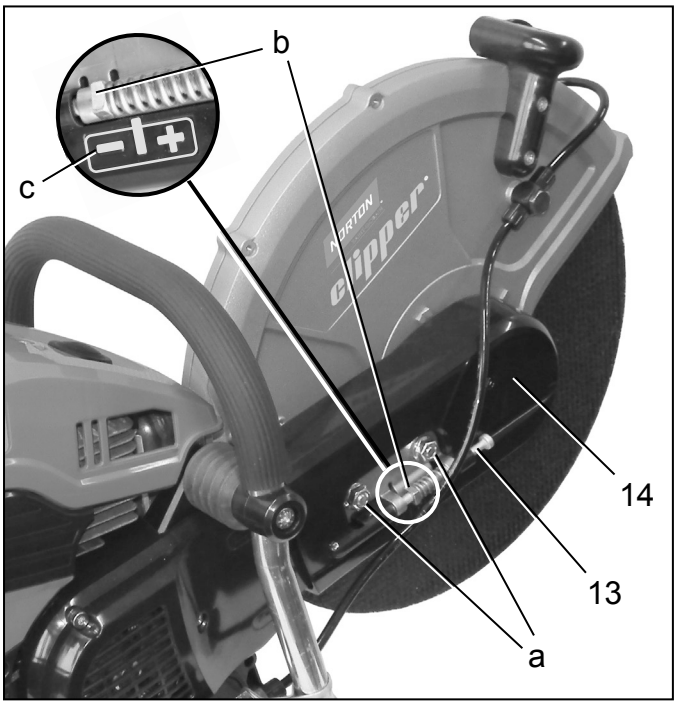
0.5 mm [approx. 0.02"]

- Proper electrode distance: 0.5 mm [approx. 0.02"]
  Replace the spark plug if the electrode distance is incorrect.
  The following interference-suppressed spark plugs are approved for use in this power tool:
  BOSCH WSR6F, CHAMPION RCJ-6Y and NGK BPMR7A
  Use of other spark plugs is not allowed!
- Check ignition cable (c) for proper connection and intact insulation. If the insulation is damaged, do not continue work, but order repair from a specialist workshop authorized by the manufacturer.
- Screw in spark plug (d) again. Torque: 25 Nm [18.4 ft·lbf]
- Push the spark plug connector (b) onto the spark plug (d) firmly at reattachment.
- Re-install the spark plug cover (8).

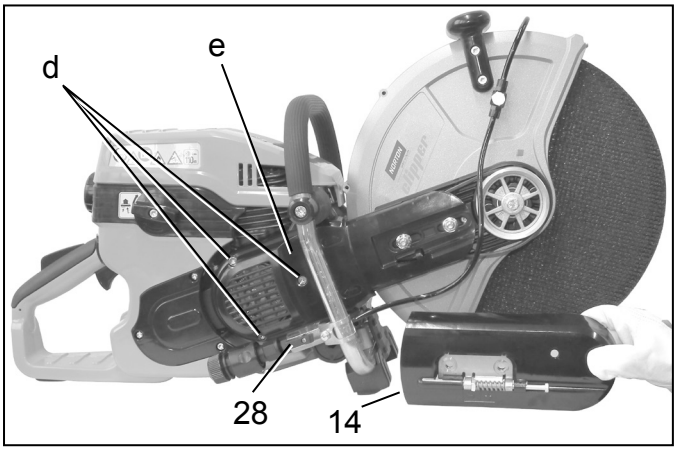
8.6 Ribbed belt replacement



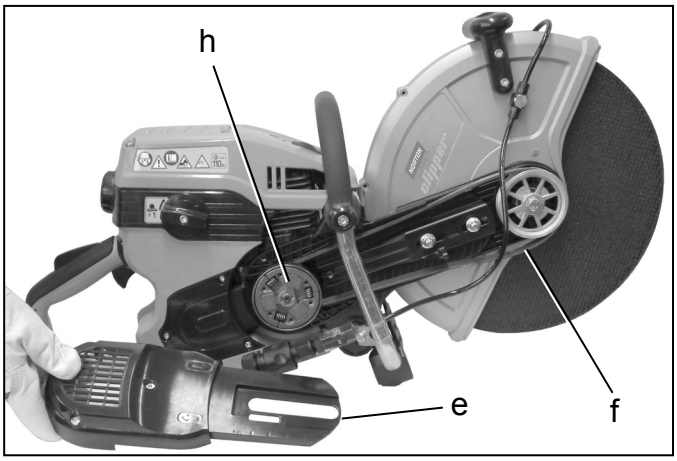
Danger of contamination of ribbed belt, associated carrier structure and coupling!
Only open the ribbed belt cover and coupling cover in a clean environment.



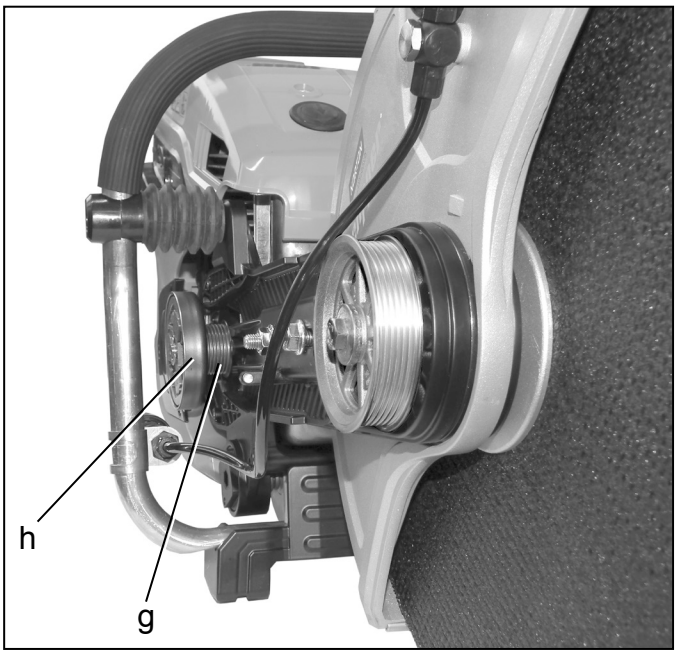
- Switch off the engine and turn the stop dial to "0".
  Switching off the engine: ➔ Chap. 6.4, page 25
- Shut off water supply to the power tool.
- Put the power tool on level ground.
- Loosen both attachment nuts (a) of the ribbed belt cover (14).
- Turn ribbed belt tension screw (13) towards the left, e.g. counter-clockwise, to reduce the ribbed belt tension).
  Turn until the square nut (b) has been moved towards the mark "−" (c) as far as possible.
  When installing the cutting device in the center position (cf. figure), the square nut is all the way to the left; in case of installation in the outer position, it is located all the way to the right.
- Remove both attachment nuts (a) entirely.
- Remove the ribbed belt cover (14).



- Screw the attachment nuts (a) of the ribbed belt cover (14) onto the associated screws again and tighten only slightly so that the separating device cannot fall off again.
- Loosen all 3 attachment screws (d) of the coupling cover (e).
  The screws only need to be loosened until they can be turned very easily. It is not necessary to turn out the screws entirely, since the screws should remain in the cover.



- Put the valve lever (28) for the water supply parallel to the connection piece so that it does not interfere with the following work step.
- Remove the coupling cover (e).
- Remove the old ribbed belt (f) or any residue of the old ribbed belt and any other foreign bodies.
- Use a small brush or paintbrush to clean the open area.
- Place a new ribbed belt on the grooved running surface (g) on the drive side behind the coupling bell (h).





- Put the other side of the ribbed belt on the grooved running surface (i) of the ribbed belt support on the output side. Check that the ribbed belt is running freely. Correct placement of the ribbed belt if required.
- Put on the coupling cover again and check that the ribbed belt is still running freely. If required, remove the coupling cover again and correct placement of the ribbed belt.
- Tighten all 3 attachment screws (d) of the coupling cover (e) again.
- Check that the ribbed belt is still running freely. If required, loosen the coupling cover screws again and correct placement of the ribbed belt.
- Unscrew both attachment nuts (a) of the ribbed belt cover again.
- Put on the ribbed belt cover (14) again.
- Screw on both attachment nuts (a) of the ribbed belt cover again. Only tighten the nuts manually so that the ribbed belt tension can still be set.
- Turn ribbed belt tension screw (13) towards the right, e.g. clockwise, to increase the ribbed belt tension). The correct tension is reached when the square nut (b) is on the center mark, i.e. between "+" and "−".
- Tighten both attachment nuts (a) of the ribbed belt cover.
- Close the water supply valve lever, i.e. put the valve lever across the connection piece.

8.7 Fuel filter replacement



The fuel filter in the fuel tank must be replaced as part of the annual customer service in a specialist workshop authorized by the manufacturer.

8.8 Maintenance plan



The following notes refer to regular usage situation.
Under special conditions, such as long daily working times, the maintenance intervals stated must be reduced accordingly.

Perform maintenance work at regular intervals.
Charge a specialist workshop authorized by the manufacturer if you cannot perform all work on your own.

The owner of the power tool is also responsible for:

- Damage from unprofessional or belated maintenance or repair work
- Subsequent damage – also corrosion – in case of improper storage

		Once after 5 operating hours	Before and during each working operation	Weekly	Every 50 operating hours	Every 100 operating hours	On demand	At start-up / annually
STOP Cooling air openings in the starter housing	Clean		X				X	
Carburetor ➔ Chap. 8.3, page 31	Check idling		X					
	Set idling (screw "T")						X	
	Set carburetor (screws "L"/"H") (for specialist workshops only)						X	
STOP Air filter ➔ Chap. 8.4, page 32	Interim emptying of the air filters		X				X	
	Clean air filter thoroughly			X			X	
	Replace						X	
STOP Screen filter of the water supply line ➔ Chap. 8.2, page 30	Clean			X			X	
STOP Spark plug ➔ Chap. 8.5, page 33	Check firm seat of ignition cable and spark plug connector		X				X	
	Check electrode distance and replace spark plug if required				X			X
	Replace					X	X	
STOP All screws in reach (except for adjustment screws)	Re-tighten	X					X	X
Operating units (stop button/switch, throttle control, throttle control lock, starter)	Check function		X					
STOP Entire power tool	Visual condition inspection • Check cut-off wheel and muffler for damage. • Check tank cap for tightness		X					
	• Check ribbed belt tension ➔ chap. 5.6, page 20		X					
	Clean			X			X	X

Furthermore, a specialist workshop authorized by the manufacturer must be charged, among others, with the following service in the scope of the annual customer service:

- Complete inspection of the entire power tool
- Professional motor cleaning (fuel tank, cylinder ribs, …)
- Inspection and, if applicable, replacement of the wear parts, in particular annual replacement of the fuel filter
- Best settings of the carburetor

8.9 Self-aid advice

Possible malfunctions: ➔ 

- Engine does not start up
  - Stop dial
    - ➢ Turn the stop dial to the operating position "1". .....➔ Chap. 6.1, page 24
  - Spark plug
    - ➢ Clean or replace .....➔ Chap. 8.5, page 33
  - Old fuel
    - ➢ Empty and clean tank, fuel up with fresh fuel .....➔ Chap. 5.5, page 18
- Cut-off wheel is not accelerated properly
  - Foreign body inside the wheel guard
    - ➢ Clean wheel guard .....➔ Chap. 8.1, page 29
  - Ribbed belt tension too low
    - ➢ Correctly set ribbed belt tension .....➔ Chap. 5.6, page 20
- Cut-off wheel rotates in idle operation
  - Idle stop screw "T"
    - ➢ Correctly adjust idle stop screw "T" .....➔ Chap. 8.3, page 31
  - Coupling defective
    - ➢ Service workshop
- Bad engine output
  - Air filter clogged
    - ➢ Clean air filter thoroughly .....➔ Chap. 8.4, page 32
  - Carburetor settings (L/H-settings)
    - ➢ Service workshop
- Insufficient or no water supply in wet cutting
  - Valve lever of the water supply line not opened
    - ➢ Open valve lever .....➔ Chap. 5.7, page 20
  - Connection of the water supply closed
    - ➢ Open water supply
  - Water supply pressure tank empty or pressure-relieved
    - ➢ Replenish water or recover pressure supply
  - Screen filter insert contaminated
    - ➢ Thoroughly clean screen filter insert .....➔ Chap. 8.2, page 30
- Changed noise emission and motor does not reach high speeds (only for models CP512-300i and CP514-350i)
  - Not enough engine oil in the oil tank
    - ➢ Fuel up engine oil .....➔ Chap. 5.5, page 18

8.10 Shutting down and storage

Before shutting down and storage, the power tool must be cleaned thoroughly and checked for damage.
Cleaning and care: ➔ Chap. 8.1, page 29

Only store the power tool in dry rooms. There must not be any open sources of fire or the like nearby. Prevent unauthorized use – in particular by children.

Before extended storage, (> 4 weeks) additionally empty the tanks for operating materials in a well-ventilated location and clean them. Start engine with the fuel tank empty and empty the carburetor until the engine goes out. Oil residue from the fuel lubrication may otherwise close the carburetor nozzles and make start-up more difficult later.

9 Warranty

The manufacturer warrants perfect quality and assume the costs for any subsequent improvement by replacement of defective parts in case of material or production errors that occur during the warranty period after the day of sale.
Please observe that specific warranty conditions apply in some countries. In doubt, ask your vendor. He as a vendor of the product is responsible for the warranty.
Please understand that the manufacturer cannot assume any warranty for the following damage causes:

- Failure to follow the operating instructions.
- Failure to perform required maintenance and cleaning.
- Damage due to improper carburetor settings.
- Normal wear and tear.
- Obvious overload.
- Use of other than approved working tools.
- Application of force, improper treatment, misuse, abuse or accident.
- Overheating damage due to contamination of the fan housing.
- Repair by unauthorized personnel.
- Use of unapproved replacement parts or other than original parts if they caused the damage.
- Use of unsuitable or outdated operating materials.
- Damage due to the usage conditions from renting.

Cleaning, care and adjustment work are not deemed warranty services.

Warranty services must be ordered from a specialist workshop authorized by the manufacturer.

10 Wear Parts

Several components are subject to wear in operation or regular wear and may have to be replaced in time. The following wear parts are not subject to the manufacturer's warranty:

- Operating materials
- Air filter
- Fuel filter
- Clutch
- Spark plug
- Starting device
- Cut-off wheel

11 Emission control warranty statement

11.1 Your Warranty Rights And Obligations

The EPA (The US Environmental Protection Agency) and Saint-Gobain Abrasives, Inc. are please to explain the emissions control system warranty on your 2013 and later small nonroad engine. In the U.S. all new small nonroad engines must be designed, built, and equipped at the time of sale to meet the U.S. EPA regulations for small nonroad engines. The engine must be free from defects in materials and workmanship which would cause it to fail to conform with U.S. EPA regulations and standards for the first two (2) years of use from the date of sale to the ultimate purchases. Saint-Gobain Abrasives, Inc. must warrant the emission control system on your small nonroad engine for the period of time listed below provided there has been no abuse, neglect, or improper maintenance of your small nonroad equipment engine. The emission control system includes parts such as the carburetor and the ignition system. The emissions warranty may also include hoses, connectors, and other emission related components. Where a warrantable condition exists, Saint-Gobain Abrasives, Inc. will repair your small nonroad engine at no cost to you. Expenses covered under warranty include diagnosis, parts and labor.

11.2 Manufacturer's Warranty Coverage

The 2013 and later small nonroad engines are warranted for two (2) years. If any emission related part on your engine (as listed above) is defective, the part will be repaired or replaced by Saint-Gobain Abrasives, Inc. free of charge.

11.3 Owner's Warranty and Responsibilities

As the small nonroad engine owner, you are responsible for the performance of the required maintenance listed in your Operator's Manual. Saint-Gobain Abrasives, Inc. recommends that you retain all receipts covering maintenance on your small nonroad engine, but Saint-Gobain Abrasives, Inc. cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. As the small nonroad engine owner, you should, however, be aware that Saint-Gobain Abrasives, Inc. may deny you warranty coverage if your small nonroad engine or a part of it has failed due to abuse, neglect, improper maintenance, unapproved modifications or the use of parts not made or approved by the original equipment manufacturer. You are responsible for presenting your small nonroad engine to a Saint-Gobain Abrasives, Inc. authorized servicing center dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Saint-Gobain Abrasives, Inc., at 1-800-554-8003 or www.nortonconstructionproducts.com.

11.4 Coverage by Saint-Gobain Abrasives, Inc.

Saint-Gobain Abrasives, Inc. warrants to the ultimate purchaser and each subsequent purchaser that your nonroad equipment engine will be designed, built, and equipped at the time of sale to meet all U.S. EPA applicable emission regulations and standards. Saint-Gobain Abrasives, Inc. also warrants to the ultimate purchaser and each subsequent purchaser that the engine is free from defects in materials, design, and workmanship which cause the engine to fail to conform with applicable U.S. EPA emission for a period of two (2) years.

11.5 Warranty Period

If any emissions related component on your engine is found to be defective during the emissions warranty period Saint-Gobain Abrasives, Inc. will replace that part at no charge to the owner. The warranty period begins on the date small nonroad engine is delivered. Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of “repair or replace as necessary” shall be warranted for two (2) years. Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time up to the first scheduled replacement point for that part.

11.6 Length Of Coverage

Saint-Gobain Abrasives, Inc. to the initial owner and each subsequent purchaser that the engine is free from defects in materials and workmanship which cause the failure of a warranted part for a period of two (2) years.

11.7 What Is Covered

Repair or replacement of any warranted emissions part will be performed at no charge to the owner at an approved Saint-Gobain Abrasives, Inc. servicing dealer. If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Saint-Gobain Abrasives, Inc., at 1-800-554-8003 or www.nortonconstructionproducts.com.

Listed below are the parts covered by the emission components defect warranty.
Some of the parts listed below may require scheduled maintenance and are warranted up to the first scheduled replacement point for that part.

- Fuel metering system
  - Carburetor and internal parts
  - Fuel filter, if applicable
  - Throttle stopper, if applicable
  - Choke system, if applicable
- Air induction system
  - Air cleaner plate, air filter
  - Air cleaner case, intake manifold
- Ignition system
  - Spark plugs
  - Flywheel magneto
  - Ignition coil
- Miscellaneous items used in the above systems
  - Fuel hoses
  - clamps and sealing gaskets

11.8 Diagnosis

The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at an approved Saint-Gobain Abrasives, Inc. servicing dealer. However, if a warranty claim is made and the machine is tested as non-defective Saint-Gobain Abrasives, Inc. will charge you for the cost of the emission test. Mechanical diagnostic will be performed at an authorized Saint-Gobain Abrasives, Inc. servicing dealer. Emission testing may be performed at Saint-Gobain Abrasives, Inc. or any independent emissions test laboratory.

11.9 Consequential Damages

Saint-Gobain Abrasives, Inc. may be liable for damages to other engine components caused by the failure of a warranted part still under warranty.

11.10 Limitations

Any failures caused by abuse, improper maintenance, or neglect are not covered. Repairs or replacements not conforming to Saint-Gobain Abrasives, Inc. specifications that affect the performance or durability, or other modifications not approved in writing by Saint-Gobain Abrasives, Inc.
Saint-Gobain Abrasives, Inc. is not liable for any failures of warranted emission components caused by the use of add on or modified parts.

11.11 How To Make a Claim

Bring the product to any Saint-Gobain Abrasives, Inc. authorized service center along with proof of purchase. If you have questions regarding to how to make an emissions warranty claim or your warrant rights you should contact the nearest authorized servicing dealer or call Saint-Gobain Abrasives, Inc., at 1-800-554-8003 or www.nortonconstructionproducts.com.

11.12 Maintenance Statement

The owner of this product is responsible for all required maintenance as stated in the operation manual.

Instructions d'emploi de la découpeuse à disque CP512-300 / CP514-350 // CP512-300i / CP514-350i

Chère cliente, cher client,

nous vous remercions beaucoup de vous être décidé pour ce produit de qualité de notre maison.

Depuis de nombreuses décennies, nous fabriquons des appareils à moteur à essence portatifs et à porter sur le dos. Une expérience qui profite aujourd'hui à chacun de nos appareils à moteur dans tous les détails.

Des matériaux de construction modernes en association avec notre savoir-faire, garantissent une longévité importante et une valeur de service élevée de l'appareil à moteur.

Les types de machines de cette série sont des découpeuses à disque de fabrication allemande de très grande qualité, spécialement conçues pour les exigences élevées d'un usage professionnel. Un moteur à deux temps de grande puissance à un seul cylindre de conception nouvelle, cylindre vertical avec revêtement Nikasil® selon la technique de transfert à quatre canaux qui a fait ses épreuves, pour une puissance élevée avec une faible consommation de carburant et avec les dernières technologies en matière de gaz d'échappements propres garantit une valeur de service élevée de la machine.

Allumage électronique sans entretien,

système anti-vibration préservant la santé,

procédé d'aspiration breveté par double flux,

système d'agitation particulièrement pour permettre le vidage intermédiaire particulièrement aisé du filtre à air pendant le travail,

raccordement d'eau utilisable optionnellement avec une alimentation d'eau du disque afin de réduire la poussière en travaillant,

solutions intelligentes avec un contrôle électronique du carburateur pour un démarrage simple ainsi

qu'une organisation ergonomique et méthode de construction extrêmement compacte

assurent un excellent confort d'utilisation et facilitent les travaux quotidiens avec l'appareil à moteur.

L'équipement de sécurité correspond à la technique la plus récente et satisfait à toutes les prescriptions de sécurité nationales et internationales. Il comprend entre autre :

- Bouton d'arrêt à pression unique
- Blocage de la manette des gaz
- Limitation électronique du régime
- Installation de protection du disque
- Système d'arrêt moteur pour les besoins de la maintenance



Lisez soigneusement ces instructions d'emploi avant le premier démarrage et respectez toujours tous les règlements de sécurité et les instructions de maniement.
Si vous deviez encore avoir d'autres questions après la lecture de ces instructions d'emploi, veuillez vous adresser à votre revendeur spécialisé.



Pour conserver l'efficacité de votre appareil à moteur pour longtemps, vous devriez observer précisément les instructions d'entretien.

Emballage et mise au rebut

Gardez l'emballage d'origine protégeant des dommages de transport pour le cas où un envoi ou un transport ultérieur serait nécessaire. Sil le matériel d'emballage n'est plus nécessaire, mettez le au rebut en conformité avec la règlementation locale. Le matériel d'emballage en carton sont des matières premières et de ce fait sont réutilisable ou peuvent être remis de le cycle de recyclage.
À l'écoulement de la période d'utilisation, l'appareil à moteur doit être mis au rebut selon les dispositions de la législation locale.

Réserves de modifications

Dans l'objectif de continuer à développer l'appareil à moteur, le droit d'apporter des modifications du volume de livraison, tant au niveau de la forme, de la technique et de la configuration est reservé.
Nous vous remercions de votre compréhension sur le fait que les indications et illustrations de cette notice ne peuvent donner droit à des exigences.

Garantie

Le fabricant garantit une qualité impeccable et prend en charge les coûts d'amélioration en remplaçant des parties défectueuses dans le cas de défaut de fabrication ou de matériel survenant pendant la période de garantie suivant le jour de la vente.
Veuillez considérer que dans certains pays, des conditions de garantie spécifiques sont valables. En cas de doutes, demandez votre revendeur. En tant que revendeur, il est responsable du produit. Nous vous remercions de votre compréhension sur le fait que nous ne saurions garantir les causes de défauts suivantes :

- Non respect des instructions d'emploi.
- Omission des travaux de nettoyage et d'entretien nécessaires.
- Dommages provenant d'un réglage de carburateur inadéquat.
- Usure par une usure normale.
- Surcharge évidente par un dépassement continuel du plafond de performance.
- Utilisation d'outils de travail non agréés.
- Utilisation de la force, traitement inadéquat, abus ou accident
- Dommages de surchauffe causés par la salissure sur le boitier du ventilateur.
- Réparations effectuées par un personnel non autorisé.
- Utilisation de pièces de rechange non originales et/ou de pièces inadéquates, pour autant qu'elles ont causé les dommages.
- Utilisation de consommables inadéquats ou stockés trop longtemps.
- Dommages qui sont dus à des conditions de travail en lien avec la location de l'appareil.

Les travaux de réglage, de nettoyage et de soins ne sont pas reconnus comme une prestation de garantie.

Les prestations sous garantie sont à faire réaliser par un atelier spécialisé agréé par le fabricant.

Déclaration de conformité UE

Les brevets suivants ont été accordés :

- PCT/EP2011067574 (graissage séparé)
- US20120152200 (boite à air)
- US20100206278
- US20100000846
- US20090007435
- EP2011594
- EP2011991
- EP2011992

Pièces d'usure

Différents éléments sont soumis à une usure liée à l'utilisation et/ou à une usure normale et doivent éventuellement être remplacés à temps.
Les pièces d'usure suivantes ne sont pas couvertes par la garantie du fabricant :

- Consommables
- Filtre à air
- Filtre à carburant
- Embrayage
- Bougie
- Dispositif de démarrage
- Disque

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1 Au sujet de ces instructions d'emploi

Ces instructions d'emploi sont une partie intégrante et indispensable de l'appareil à moteur.



Elles fournissent des indications et des instructions importantes pour l'utilisation de l'appareil à moteur. L'observation de tous les règlements de sécurité et instructions d'utilisation indiqués est une condition préalable pour un travail sûr avec et sur l'appareil à moteur.



Ces instructions d'emploi doivent constamment être disponible au lieu d'emploi de l'appareil à moteur et doivent être lues attentivement par chaque personne qui est chargée de travaux avec et sur l'appareil à moteur (également de l'entretien, la maintenance et le dépannage).

Ces instructions d'emploi doivent être utilisées exclusivement comme manuel pour l'appareil à moteur de type CP512-300 / CP514-350 // CP512-300i / CP514-350i.
Chaque utilisation des contenus (textes et représentations graphiques) – même sous forme d'extraits – sans approbation écrite préalable du fabricant est interdite et peut être poursuivie juridiquement.

1.1 Méthodes de représentation utilisées dans ces instructions d'emploi

Mise en évidence de textes

Xxxxx — Un texte souligné définie des sous-titres.

Xxxxx — Des textes en italique désigne des informations et des remarques qui facilitent l'usage de l'appareil à moteur pour l'utilisateur.

1 Xxxxx — Des textes sur fond noir et numérotés représentent les titres des chapitres principaux.

1.1 Xxxx — Des textes sur fond gris et numérotés représentent les titres des sous-chapitres.

Xxxxxxx — Les cadres définissent des paragraphes particulièrement mis en évidence.

Structure

Les instructions d'emploi sont subdivisées en chapitres et sous-chapitres numérotés. Le sommaire de la page 3 donne une vue d'ensemble de la structure.

Ligne d'en-tête

Pour faciliter la recherche rapide des différents chapitres pour l'utilisateur, le chapitre principal dont le contenu de la page respective fait partie, est affiché dans la ligne d'en-tête.

Représentations graphiques

Certaines représentations graphiques comprises dans ces instructions d'emploi sont des illustrations ou représentations de principe schématiques et ne montrent peut-être pas exactement votre modèle d'appareil. Les contenus fournis sont toutefois contractuels dans tous les cas.

Marques et marques commerciales déposées

Norton Clipper® est une marque déposée de la société Saint-Gobain Abrasives.
Toutes les autres raisons sociales et produits mentionnées dans ces instructions d'emploi sont des marques et/ou des marques commerciales des différents fabricants. L'utilisation de ces noms par des tiers pour leurs buts peut violer les droits des fabricants. L'absence des signes ® et/ou ™ n'entraine pas forcément que la désignation est une marque libre.

2 Symboles d'avertissement, d'instructions et d'indications

Important : Si un ou plusieurs symboles se trouvent dans ces instructions d'emploi de manière centrée et directement sous une rubrique de chapitre, l'indication concerne l'ensemble du chapitre.

Symboles d'avertissement, d'instructions et d'indications utilisés dans ces instructions d'emploi et sur l'appareil à moteur :


Danger ! En cas de non respect de l'instruction, il y a un risque d'accidents avec des blessures mortelles.


Attention ! En cas de non respect de l'instruction, il y a un risque d'endommagement de l'appareil à moteur ou d'autres dégâts matériels.


Lisez soigneusement les instructions d'emploi. Est en principe en vigueur avant le démarrage et avant tous les travaux de nettoyage, d'entretien et d'assemblage.


Portez l'équipement personnel préconisé. ➔ Chap. 3.3, page 8


Portez des chaussures de sécurité fermes avec des semelles à profil.


Portez des gants protecteurs lors de tous les travaux avec et sur l'appareil à moteur.


Avant de démarrer le moteur, mettre un casque, des protections auditives, une protection faciale et des lunettes de protection.



Coupez le moteur !


Il est interdit de fumer à proximité de l'appareil à moteur et à l'emplacement de ravitaillement !


L'appareil à moteur et les récipients de remplissage de combustible doivent être tenus à l'écart du feu ouvert.


Attention : Risque d'intoxication ! - L'appareil à moteur produit des gaz d'échappement.
- Les vapeurs d'essence sont toxiques
- Émissions de poussières dangereuses lors du travail.


Attention : Forces de recul (Kickback) !
Les indications du chap. 7.2 à partir de la page 28 doivent absolument être respectées !


Attention : Risque d'incendie par les projections d'étincelles.


Portez l'équipement de protection respiratoire.


N'utilisez pas de lames de scie circulaire.


Ne travaillez jamais avec un disque endommagé.



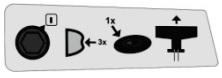
Travaillez exclusivement avec des disques homologués pour un régime ≥ 4.550 min^{-1} [4.550 RPM].


Bouton rotatif d'agitation pour le vidage intermédiaire du filtre à air ➔ Chap. 8.4, page 32

iLube® = Intelligent Lubrication
(graissage séparé, uniquement sur les modèles CP512-300i et CP514-350i).


Réservoir de carburant ➔ Chap. 5.5, à partir de la page 19


Réservoir d'huile (bouchon vert, uniquement sur les modèles CP512-300i et CP514-350i)
➔ Chap. 5.5, à partir de la page 19


Indications de démarrage ➔ Chap. 6, à partir de la page 25

3 Prescriptions de sécurité

3.1 Utilisation conforme



Cet appareil à moteur doit être exclusivement utilisé pour séparer/couper des métaux (coupe à chaud) et des matières minérales, comme p. ex. le béton (coupe à froid), avec le disque agréé pour les matériaux respectifs et exclusivement pour les situations de travail indiquées dans le chap. 7 à la page 27. D'autres disques à tronçonner agréés, avec lesquelles différents matériaux composites peuvent être coupés sont en outre proposés aux utilisateurs particulièrement formés dans les opérations de sauvetage. Ces interventions spéciales peuvent être mises en œuvre exclusivement par des utilisateurs particulièrement formés. L'utilisation de cet appareil à moteur est exclusivement autorisée pour des travaux à l'extérieur.

L'utilisation de cet appareil à moteur dans tout autre but est interdite, comment par exemple scier du bois ainsi que pour enlever ou meuler d'autres matériaux avec la surface latérale du disque à tronçonner. Les outils tranchants non autorisés, comme p. ex. des lames de scie ou des couteaux, ne doivent pas être installés sur l'appareil à moteur.

3.2 Indications de sécurité générales



Veuillez, avant la première mise en service, lire attentivement ces instructions, puis les conserver dans un endroit sûr et accessible. Elles doivent constamment être disponible au lieu d'emploi de l'appareil à moteur et doivent être lues par chaque personne qui est chargée de travaux avec et sur l'appareil à moteur (également de l'entretien, la maintenance et le dépannage).

Utilisez cet appareil à moteur avec une précaution particulière. Les manipulations de l'appareil à moteur peuvent entraîner, si elles ne sont ni réfléchies, ni conformes, des blessures graves, voire mortelles. Les risques lors de la manipulation de l'appareil à moteur sont principalement dus à la grande vitesse du disque de coupe et aux forces et couples élevés proposés par l'appareil à moteur.

Les travaux avec et sur l'appareil à moteur doivent toujours être réalisé avec prudence et avec la plus grande attention par rapport à tous les dangers possibles et à toutes les situations possibles qui peuvent apparaître. Avant le début du travail, vous devez réaliser une évaluation approfondie des risques. Ne jamais effectuez de travaux pour lesquels vous n'êtes pas formé. Si vous deviez encore être incertain après l'étude de ces instructions d'emploi, demandez conseil auprès d'un spécialiste.

L'installation d'allumage de cet appareil de moteur produit un champ électromagnétique lors de l'utilisation. Ce champ peut se répercuter dans certaines conditions sur le mode de fonctionnement des stimulateurs cardiaques. Les personnes portant un stimulateur cardiaque doivent absolument consulter leur médecin et le fabricant du stimulateur avant d'utiliser cet appareil à moteur.

Informations générales concernant les vibrations : Les symptômes suivants peuvent apparaître lors d'un conditionnement personnel spécial par des vibrations fréquentes aux doigts, aux mains ou aux poignets : endormissement des parties du corps, chatouillements, sensations de picotements, modification de la couleur de peau ou de la peau. Si vous constatez ces symptômes, consultez un médecin.

Négliger des indications de sécurité peut être mortel. Respectez les instructions ANSI et OSHA.

- Une boîte de premiers secours doit toujours être disponible sur le lieu de travail pour un accident éventuel. Remplacez immédiatement les matériaux utilisés.
- Risque d'incendie par les projections d'étincelles ! Lors de travaux à proximité d'objets inflammables et/ou de la végétation, un extincteur doit être disponible.
- Si vous travaillez la première fois avec un tel appareil à moteur faites vous montrer et expliquer son maniement par un spécialiste. Afin d'assurer une manipulation sécurisée de l'appareil à moteur, les employeurs sont responsables de la formation à la manipulation de ces appareils à moteur des utilisateurs d'appareils à moteur à entraînement à l'essence, manuels et portables.
- Des enfants et des jeunes de moins de 18 ans ne sont pas autorisés à travailler avec cet appareil à moteur.

- L'appareil à moteur doit être manipulé par principe – même en le démarrant – par une seule personne. Éloignez les personnes et les animaux de la zone de travail. Si une personne et/ou un être vivant s'approche, l'appareil à moteur doit être arrêté immédiatement.
  L'utilisateur est responsable des dégâts matériels et des personnes qu'il aura causé.
- Cet appareil à moteur doit être utilisé exclusivement par des personnes familiarisées avec des équipements de ce type, avec leur commande et leur notice d'utilisation. Ne prêtez jamais l'appareil à moteur à des personnes non formées. Donnez toujours ces instructions d'emploi avec l'appareil.
- Ne travaillez avec cet appareil à moteur que si vous êtes dans une bonne constitution, reposé et sain.
- Ne l'utilisez pas cet appareil à moteur sous l'influence de l'alcool, de drogues ou des médicaments qui peuvent influencer votre réactivité.
- Ne travaillez jamais avec l'appareil à moteur si vous êtes fatigué ou éreinté. La fatigue et l'éreintement peuvent remettre en cause votre vigilance. Si vous devenez fatigué ou éreinté pendant que vous travaillez avec l'appareil à moteur, faites une pause. Le travail avec l'appareil à moteur peut être fatiguant. Si vous souffrez de problèmes de santé pouvant être aggravés par les travaux difficiles, consultez votre médecin avant de travailler avec l'appareil à moteur.
- L'amiante, les matériaux contenant de l'amiante et tous les autres matériaux classés comme dangereux ne doivent être ni découpés, ni grattés avec l'appareil à moteur.
- Veillez à ce qu'aucune source cachée de danger ne se trouve dans la zone coupante de l'appareil à moteur, comme, p.ex., des fils électriques, des tuyaux d'eau ou de gaz ou des substances inflammables !
- En coupant des pieux de béton pré-tendus et armés, toutes les instructions et les normes imposées par les autorités ou le fabricant de l'élément respectif, doivent être respectées. Le sectionnement des ferrailles d'armature doit être réalisé dans l'ordre correct et en prenant en compte des règlements de sécurité pertinents.
- Ne faites pas de modifications sur les dispositifs de sécurité et éléments de commande existants.
- Risque d'accident ! L'appareil à moteur ne doit être utilisé que dans un état de fonctionnement sûr ! L'état de fonctionnement sûr de l'appareil à moteur doit être vérifié avant chaque utilisation.
- Utilisez exclusivement les accessoires et ajouts fournis par le fabricant et expressément autorisés au montage sur cet équipement électrique. Seuls les disques agréés pour cet appareil à moteur, doivent exclusivement être utilisées comme outils tranchants.
- L'emploi fiable et la sécurité de cet appareil à moteur dépendent aussi de la qualité des pièces de rechange utilisées. N'utilisez que des pièces de rechange d'origine. Seules les pièces de rechange originales proviennent de la production de l'appareil à moteur et garantissent la qualité donc la plus haute qualité de matériel possible, une précision dimensionnelle, la fonctionnalité et la sécurité. Vous trouverez les pièces de rechange et les accessoires d'origine chez votre revendeur spécialisé. Il dispose aussi des catalogues de pièces de rechange nécessaires, pour déterminer le numéro des pièces de rechange nécessaires, et est informé régulièrement des améliorations de détail et des innovations de l'offre de pièces de rechange. Veuillez considérer que lors de l'utilisation de pièces de rechange qui ne sont pas d'origine, la prestation de garantie n'est pas possible.
- Si l'appareil à moteur n'est pas utilisé, il doit être posé de manière sûre afin que personne ne soit mis en danger. Le moteur doit être arrêté. Ne laissez jamais l'appareil à moteur en fonctionnement et sans surveillance !

Quiconque ne respecte pas les instructions de sécurité, d'utilisation ou d'entretien est responsable de tous les dommages et dommages induits qui en découlent.

3.3 Tenue de travail préconisée / EPP (Équipement de protection personnel)



Afin d'éviter des blessures, le port d'une tenue de travail préconisée et d'un équipement de protection est impératif.



Les vêtements devraient être moulants (sans parements) mais ne doivent toutefois pas être gênants.
Portez lors de tous les travaux une tenue de travail en matériel ferme avec un retardement de flammes suffisant qui ne peut pas s'enflammer par le jet d'étincelles (matériel en cuir, de coton traité retardataire de flammes et ou des matières lourdes à tresses fines à base de lin).

Contrôlez les indications sur les vêtements de travail et veiller à ce qu'ils ne comportent aucun matériel s'enflammant facilement et aucun matériel facilement fondant comme du polyester ou le nylon. Les vêtements de travail ne doivent en aucun cas être contaminés avec des substances inflammables comme de l'essence ou similaire.
Ne portez pas écharpe, pas de cravate, aucun bijou ou autres vêtements qui peuvent s'empêtrer dans le disque, à des objets de l'environnement ou dans l'appareil à moteur. Les longs cheveux doivent être attachés et sécurisés sous le casque.



Portez un casque de protection pour tous les travaux.
Utilisez une protection acoustique personnelle.
Une protection du visage / des yeux conformément à ANSI Z 87.1 est impérativement prescrite.



Portez des chaussures de sécurité fermes avec un embout métallique et des semelles antidérapantes.

Portez un tablier de protection.



Portez des gants de protection avec une surface de prise non glissante.



Si vous n'utilisez pas le raccordement d'eau de l'appareil à moteur, toutes les personnes à proximité et l'utilisateur doivent toujours porter l'équipement de protection respiratoire autorisé par NIOSH/MSHA en tant que protection contre la poussière fine, la poussière, le brouillard et la fumée du matériel à découper.

3.4 Lors du remplissage du réservoir



L'essence est facilement inflammable. Conservez une distance de sécurité de tout feu ouvert et ne renversez pas de combustible. Ne fumez pas sur l'emplacement de travail ni à l'endroit où vous remettez de l'essence !

- Le moteur doit toujours être arrêté avant tout ravitaillement.
- Risques d'incendie ! Il est interdit de remettre de l'essence tant que le moteur est encore chaud !
- Ouvrir toujours prudemment le bouchon de réservoir, afin que la surpression existante puisse se dégager lentement et que l'essence ne puisse pas gicler.
- Portez des vêtements de protection ainsi que des protections oculaires et faciales afin d'exclure tout contact de la peau et des yeux avec les produits d'huile minérale.
  Lors d'un contact avec les yeux, rincez immédiatement et abondamment avec l'eau fraiche.
  Si les démangeaisons persistent consultez immédiatement un médecin !
- Changez et nettoyez souvent votre tenue de travail.
- Ne pas inhaler des vapeurs de combustible.
- Ne rajouter du carburant qu'à un endroit bien aéré.
- Veillez à ce qu'aucun combustible ou de l'huile ne puisse s'infiltrer dans le sol (protection de l'environnement). Utilisez une protection adaptée.
- Si du combustible a été renversé, l'appareil à moteur doit être nettoyé immédiatement. Enlevez immédiatement les vêtements souillés et mettez des vêtements de protection propre.

- Les bouchons de réservoir doivent toujours être fermés sans outils et bien serrés à la main. Les bouchons de réservoir sont équipés d'une protection contre le sur-serrage et doivent être fermés jusqu'à ce « qu'il tourne à vide ».
  Les bouchons de réservoir ne doivent pas se desserrer par les vibrations de moteur.
- Danger de mort par des brûlures ! Veillez aux fuites. Ne démarrez pas et ne travaillez pas, si du combustible s'échappe.
- Les combustibles et l'huile ne doivent être stockés que dans des récipients adaptés et étiquetés correctement.

3.5 Lors du transport



- Avant de porter de l'appareil à moteur (même sur de faibles distances d'un lieu de travail à un autre), le moteur doit toujours être arrêté et il faut attendre l'arrêt complet du disque. Portez l'appareil à moteur par la poignée de maintien et orientez le disque vers l'arrière.
- Risque de brûlure ! Ne touchez pas le silencieux chaud.
- Ne portez et ne transportez jamais l'appareil à moteur tant que le disque tourne.
- Pour empêcher l'arrêt de l'écoulement du carburant et de l'huile ainsi que pour prévenir des dégâts, l'appareil à moteur doit être sécurisé lors du transport dans des véhicules pour éviter son basculement. L'étanchéité des réservoirs de carburant et d'huile doit être vérifiée.
  Recommandation : vider les réservoirs avant le transport.
- Avant un envoi, les réservoirs doivent être vidés.
- Démonter le disque de coupe avant l'expédition.

Recommandation : conserver l'emballage d'origine pour la protection contre les dommages liés au transport en cas d'expédition ou de transport.

3.6 Lors du montage, du nettoyage, de la maintenance et des réparations



- L'appareil à moteur ne doit pas être installé, entretenu, réparé ou déposé à proximité d'un feu ouvert.
- Avant le montage, le nettoyage, l'entretien et la réparation, le moteur doit toujours être arrêté, le bouton tournant d'arrêt doit être positionné sur « 0 », et le disque doit être arrêté.
  Uniquement le réglage du régime du ralenti doit être réalisé avec le moteur en marche.
- Portez des gants de protection pour tous les travaux.
- L'appareil à moteur doit être entretenu régulièrement. Ne réaliser que les travaux de réparation et d'entretien vous-mêmes qui sont décrits dans ces instructions d'emploi et dont vous-vous sentez capable. Tous les autres travaux sont à effectuer exclusivement pas des ateliers spécialisés agréés par le fabricant.
- Risque de brûlure ! Ne touchez pas le pot d'échappement, tant qu'il est chaud – même pas pour des travaux d'entretien ou de contrôle de sa bonne fixation.
- Seules des pièces de rechange d'origine doivent être utilisés lors des réparations.
- Risque d'accidents et de blessures ! Aucune modification ne doit être faite sur l'appareil à moteur, car la sécurité peut en être entravée !

3.7 Avant de démarrer



Vérifiez complètement l'appareil à moteur avant chaque démarrage afin d'avoir un état de fonctionnement sûr. En plus des indications spécifiées dans les indications d'entretien et d'exploitation (➔ chap. 8, page 30), les points suivants doivent être contrôlés :

- Bouton tournant d'arrêt et bouton d'arrêt à pression unique doivent pourvoir être actionnés facilement.
- Le levier de gaz doit avoir une douceur de fonctionnement et retourner tout seul dans la position de point mort. Sans presser (déverrouillage) sur le blocage du levier de gaz, le levier de gaz ne peut pas pouvoir être actionné (le levier de gaz est bloqué).
- Le disque doit être bien fixé sur l'axe.
- Risques d'incendie ! Le câble d'allumage et la cosse de la bougie doivent être fixés solidement. Lors d'une liaison desserrée, des étincelles qui pourraient éventuellement enflammer un mélange d'air et de carburant peuvent naître !
- L'appareil à moteur ne peut pas être démarré en cas d'irrégularités, des dégâts reconnaissables, des réglages pas en bonne et due forme ou une efficacité du fonctionnement restreinte. Dans ce cas, faites vérifier l'appareil à moteur par un atelier spécialisé agréé par le fabricant.

3.8 Au démarrage



- L'appareil à moteur ne doit être mis en service que dans un état complètement assemblé.
- Gardez toujours un espace d'au moins 3 m [env. 10 feet] avec l'emplacement de ravitaillement lors du démarrage.
  Ne démarrez jamais dans des endroits fermés.
- Veillez à avoir une position ferme et sûre lors du démarrage. Démarrez toujours sur un sol plat en tenant fermement l'appareil à moteur.
- Procédez au démarrage selon la description du chap. 6, page 25.
- Après le démarrage, vérifiez le réglage du ralenti. Le disque doit être immobile au ralenti.

3.9 Au travail



En plus des règlements de sécurité déjà spécifiés, les règlements de sécurité suivants sont également applicables lors du travail avec l'appareil à moteur :

- Risque d'intoxication ! Dès que le moteur est en marche, l'appareil à moteur émet les gaz d'échappement toxiques qui peuvent être invisibles et inodores. Ne démarrez jamais l'appareil à moteur dans des endroits fermés. Le danger particulier existe également dans les endroits étroits, les cavités ou dans les fossés. Dans ces endroits, le travail est uniquement autorisé si l'on peut assurer un échange d'air suffisant et qu'aucun gaz toxique ne peut s'accumuler.
- Risque d'incendie accru ! Ne fumez pas sur votre lieu de travail – ni dans l'environnement immédiat de l'appareil à moteur.
- Sécurisez le lieu de travail contre l'accessibilité par des personnes non autorisées, p. ex. par des panneaux d'indication. Seules des personnes impliquées portant des vêtements de protection et des équipements de protection adaptés peuvent se trouver dans une zone de 30 mètres [env. 30 yards] autour du lieu d'intervention.

- Inspectez le lieu de travail en matière de dangers éventuels.
  – À cause des projections d'étincelles provoquées par les coupes, il ne faut jamais travailler à proximité de gaz combustibles ou liquides ainsi que d'objets facilement inflammables.
  – Aucune conduite électrique, aucun tuyau d'eau/gaz, ni aucune substance inflammable doit être posé dans la zone à découper.
  – Sécurisez d'abord les objets qui pourraient tomber ou basculer lors du travail, et/ou enlevez les de la zone de travail.
  – Préparer le lieu de travail de telle sorte qu'une zone de retrait sûre soit garantie.
- L'objet à séparer doit être exempt de corps étrangers, comme p. ex. des vis, des clous ou des pierres.
- Lors de travaux dans les zones résidentielles, les dispositions de protection contre les nuisances sonores doivent être observées.
- Travaillez prudemment, de manière réfléchie et calmement ne mettez aucune autre personne en danger.
  – Veillez à avoir de bonnes conditions d'éclairage et de vue.
  – Restez toujours à une distance d'une autre personne qui pourrait vous aider en cas d'urgence, telle qu'elle puisse entendre votre appel.
  – Aménagez à temps des pauses.
  – Soyez attentif aux sources de danger possibles et prenez les mesures de précaution correspondantes. Considérez que lors de l'utilisation d'une protection acoustique, la perception des bruits est limitée. Les signaux d'avertissement acoustiques, des appels etc. peuvent ne pas être entendus.
  – Tenez compte des dangers de trébuchement et des obstacles.
  – Ne travaillez jamais sur des bases instables.
  – Tenez toujours l'appareil à moteur fermement avec les deux mains et veillez toujours à avoir une base solide.
  – Ne faites jamais une coupe debout sur une échelle.
  – Positionnez l'appareil à moteur de telle sorte qu'aucune partie du corps ne se trouve dans le prolongement de la zone de pivotement du disque.
  – N'approchez jamais avec la main la pièce à usiner du disque de coupe en rotation.
  – Approchez le disque de coupe en rotation sur la pièce.
    Ne touchez jamais le sol ni d'autres objets avec le disque de coupe en rotation.
  – N'utilisez jamais l'appareil à moteur pour soulever ou dégager des objets.
- Arrêter le moteur, si le comportement de l'appareil à moteur change de manière tangible.
- Risque de brûlure ! Ne touchez pas le silencieux tant qu'il est chaud.
  Risques d'incendie ! Le silencieux dégage une forte chaleur. Ne posez pas l'appareil à moteur chaud dans l'herbe sèche ou sur des objets inflammables.
- Risques de dommages auditifs et de brûlures.
  Ne travaillez jamais avec un pot d'échappement défectueux ou sans pot.

3.10 Emission de poussière



En cas de traitement de métaux ou de matières minérales, comme, p.ex., de la pierre, de la maçonnerie, du béton ou de la céramique avec l'appareil à moteur, de la poussière fine, de la poussière, du brouillard et de la fumée contenant des substances dangereuses peuvent se dégager.
Ces substances peuvent provoquer des maladies graves, voire mortelles, comme, p.ex., les maladies respiratoires, les cancers, les dommages du système de reproduction et les gênes (malformations de la descendance).

Certains états fédéraux, comme, p.ex., la Californie, ont établi des listes contenant les substances connues pour provoquer des cancers, des dommages sur le système de reproduction ou d'autres dommages.

- Si vous ne pouvez pas évaluer le risque encouru lors de l'utilisation et du montage de l'appareil à moteur ainsi que lié au matériau à usiner, informez-vous sur les substances nuisibles dans les fiches techniques spécifiques au matériau, demandez à votre employeur, fabricant et fournisseur de matériaux, administrations d'enregistrement, comme, p.ex., OSHA et NIOSH et respectez impérativement toutes les consignes d'avertissement et de sécurité ainsi que les instructions pour une manipulation sûre et efficace du matériau à découper.
- Evitez, tant que faire se peut, la production de poussière fine, de poussière, de brouillard et de fumée en ayant un comportement au travail adapté ainsi qu'avec des techniques de travail appropriées et respectez les recommandations du fabricant/fournisseur, de l'OSHA/NIOSH et des organisations professionnelles et spécialisées. En cas de découpe à l'eau, utilisez de l'eau pour lier la poussière.
- Si le danger lié à l'inhalation de poussière fine, de poussière, de brouillard et de fumée ne peut être écarté par des mesures techniques, comme, p.ex., l'utilisation d'un raccordement d'eau de l'appareil à moteur ou d'une aspiration adaptée, toutes les personnes à proximité et l'utilisateur de l'appareil à moteur doivent porter un équipement de protection respiratoire autorisé par NIOSH/MSHA en tant que protection contre la poussière fine, la poussière, le brouillard et la fumée.

Si vous devez traiter une maçonnerie contenant du quartz, du béton contenant du quartz ou tout autre matériau contenant du quartz avec l'appareil à moteur, la poussière fine, la poussière, le brouillard et la fumée peuvent contenir de la silice cristalline. La silice est l'un des principaux composants du sable, du grès, du granit et de nombreux autres matériaux minéraux et pierres. L'inhalation de silice dans les poumons peut provoquer des maladies respiratoires mortelles, y compris la silicose. La Californie et d'autres états fédéraux ont également déclaré la silice cristalline respirable en tant que substance connue pour provoquer des cancers.

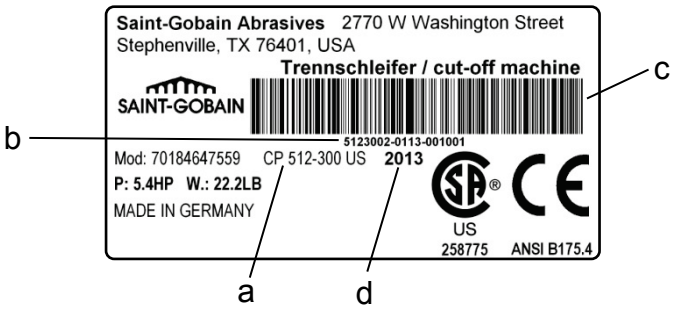
- Si vous devez traiter ces matériaux, prenez toujours les mesures de protection respiratoire précitées.

4 Description de l'appareil à moteur

4.1 Contenu de la livraison

- Appareil de base
- Disque
- Plateau d'adaptation à l'axe pour un disque d'un diamètre intérieur de 1".
- Outils : Clé mixte (clé de bougie avec tournevis), goupille de blocage et petit tournevis supplémentaire
- Ces instructions d'emploi

4.2 Plaque signalétique



a : désignation du type
b : numéro de série
c : code barre
d : année de construction

4.3 Données techniques

Modèle	CP512-300	CP512-300i	CP514-350	CP514-350i
Moteur	Moteur à deux temps monocylindre, rinçage à quatre canaux			
Cylindrée	81 cm^3 [4,94 cu.in]			
Alésage Ø / Course	52 mm / 38 mm [2,0" / 1,5"]			
Puissance maximale au régime de	4,0 kW / 9.300 $^1/_{min}$ [5,36 HP / 9.300 RPM]			
Couple maximal au régime de	4,8 Nm / 7.000 $^1/_{min}$ [3,54 ft·lbf / 7.000 RPM]			
Régime maximal autorisé	(9.500 ±200) $^1/_{min}$ [(9.500 ±200) RPM] (sans charge avec disque)			
Régime du ralenti	(2.600 ±200) $^1/_{min}$ [(2.600 ±200) RPM]			
Régime d'embrayage	(4.000 ±200) $^1/_{min}$ [(4.000 ±200) RPM]			
Contenu du réservoir de carburant	0,9 l [30 oz]			
Contenu du réservoir d'huile	---	0,32 l [10,8 oz]	---	0,32 l [10,8 oz]
Rapport du mélange de carburant essence : huile	50:1	---	50:1	---
Lubrification séparée commandée électroniquement	---	✓	---	✓
Consommation de carburant à puissance maximale (ISO 7293)	1,75 kg/h [3,86 lbs/h]			
Consommation spécifique de carburant à puissance maximale (ISO 7293)	460 g/kWh [0,76 lbs/HP·h]			
Carburateur avec amorce	Commandé électroniquement et indépendamment de la position			
Filtre à air	Papier			
Allumage	Allumage digital électronique avec courbe caractéristique			
Disque : Diamètre Diamètre du trou central Couple de desserrage de la vis de fixation	12" [305 mm] 20 mm ou 1" (30 ±2) Nm [22,1 ±1,48 ft·lbf]		14" [356 mm] 20 mm ou 1" (30 ±2) Nm [22,1 ±1,48 ft·lbf]	
Diamètres extérieur de la bride	100 mm [3,9"]		100 mm [3,9"]	
Diamètre de l'axe	20 mm [0,787"]		20 mm [0,787"]	
Régime maximal de l'axe	4.550 $^1/_{min}$ [4.550 RPM]		4.550 $^1/_{min}$ [4.550 RPM]	
Profondeur de coupe, max.	100 mm [3,9"]		125 mm [4,9"]	
Dimensions : Hauteur / Largeur / Longueur	430 mm / 267 mm / 750 mm [16,9" / 10,5" / 29,5"]		430 mm / 267 mm / 750 mm [16,9" / 10,5" / 30,5"]	
Poids à vide, sans disque	10,1 [22,3 lbs]	10,4 [22,9 lbs]	10,2 [22,5 lbs]	10,5 [23,1 lbs]
Niveau de pression acoustique[1,2] L_{Peq} (EN ISO 19432 Annexe B)	98 dB(A)			
Niveau sonore[1,2] L_{Peq} (EN ISO 19432 Annexe B)	108 dB(A)			
Accélération de vibration[1,3] $a_{hv,eq}$ (EN ISO 19432 Annexe C) poignée arrière / poignée de maintien	4,5 m/s^2 / 6,0 m/s^2 [177 "/s^2 / 236 "/s^2]			

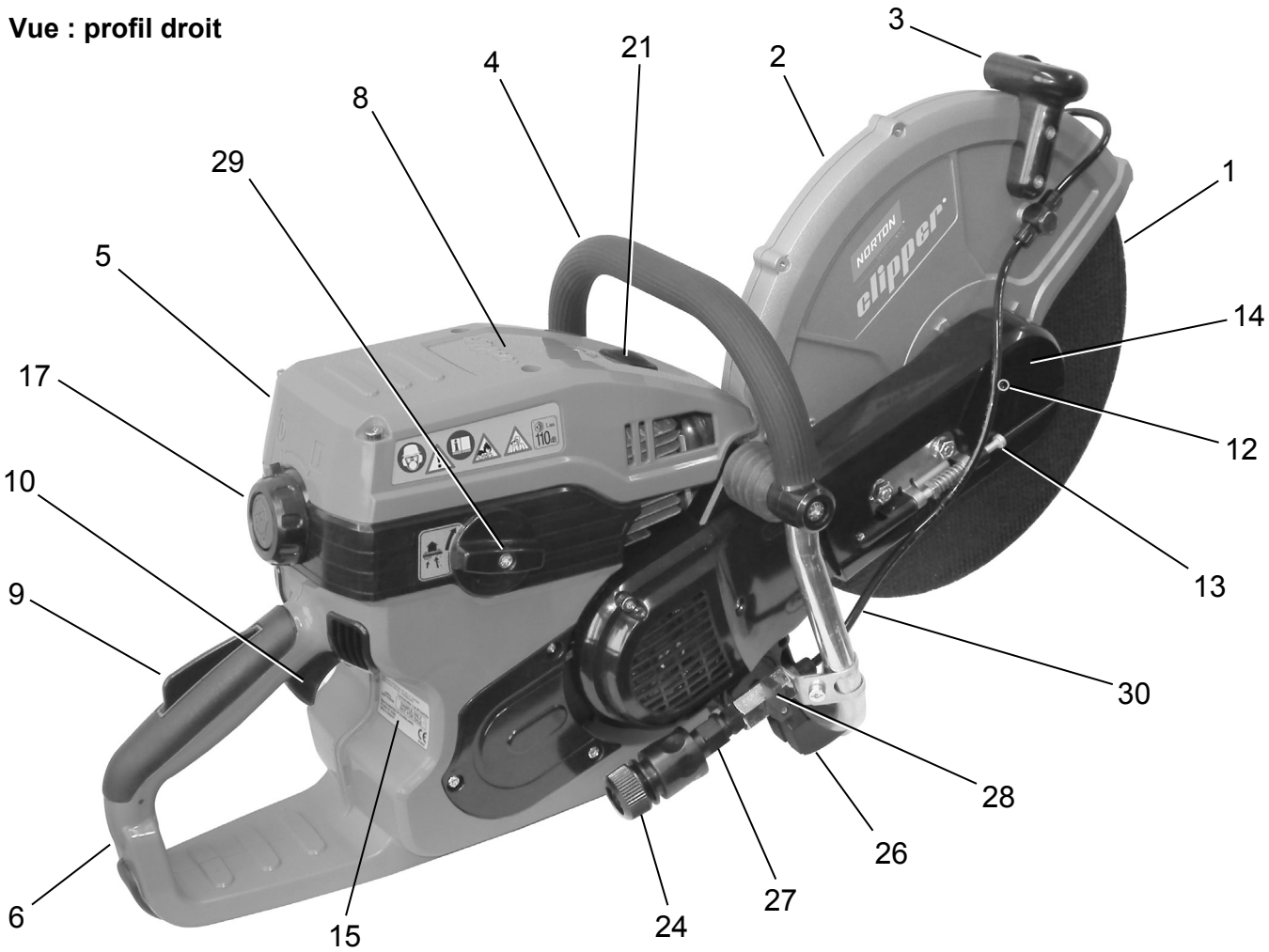
[1] Lors de la détermination des valeurs susmentionnées de l'accélération de vibration et de son, les différents états de fonctionnement ont été pondérés conformément à la norme respectivement valable.

[2] Tolérance de mesure K selon la directive 206/42/UE : 2,5 dB(A)

[3] Tolérance de mesure K selon la directive 206/42/UE : 2 m/s^2 [78,7 "/s^2]

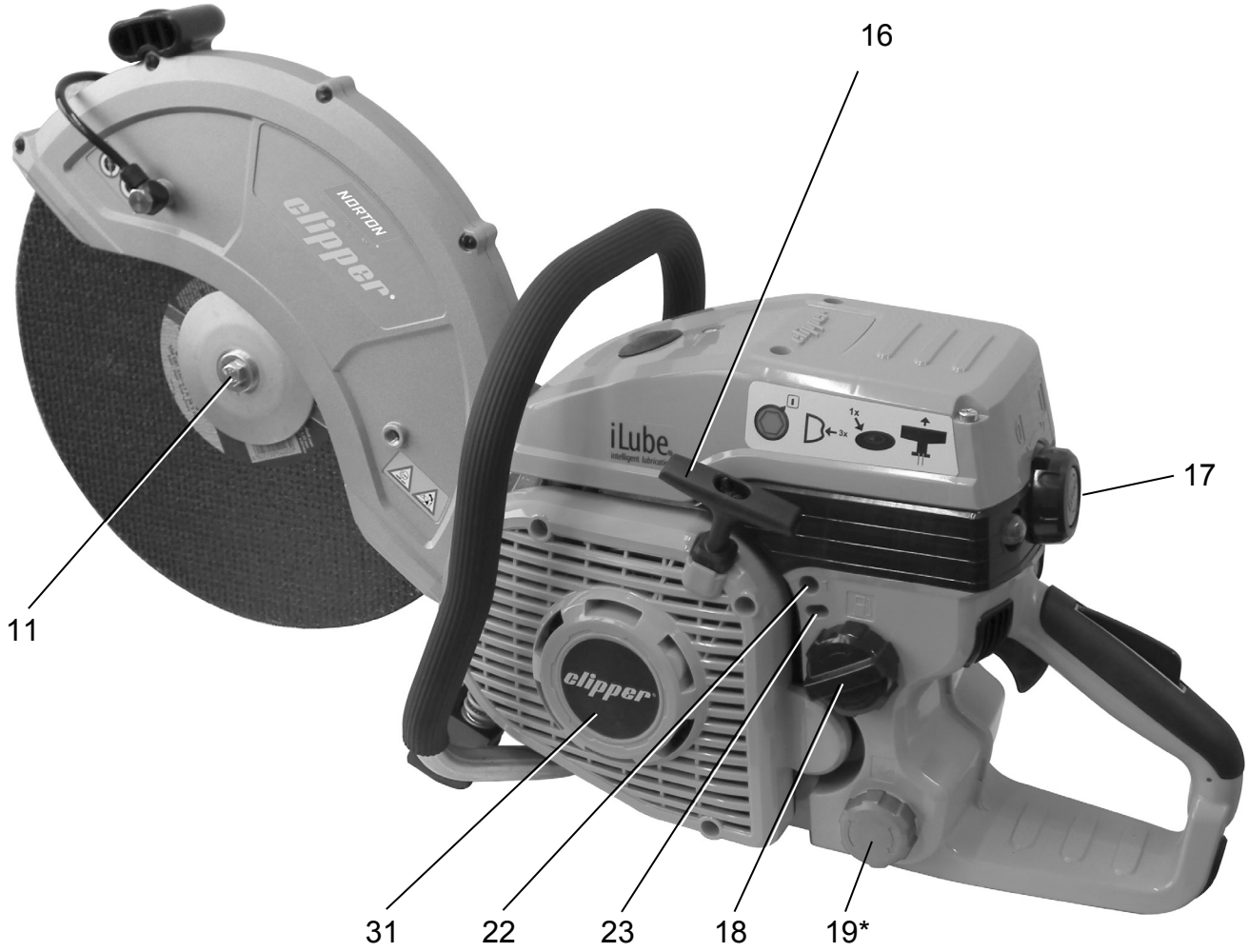
4.4 Vues de l'appareil ainsi que des éléments de commande et de fonctionnalités importants

Vue : profil droit

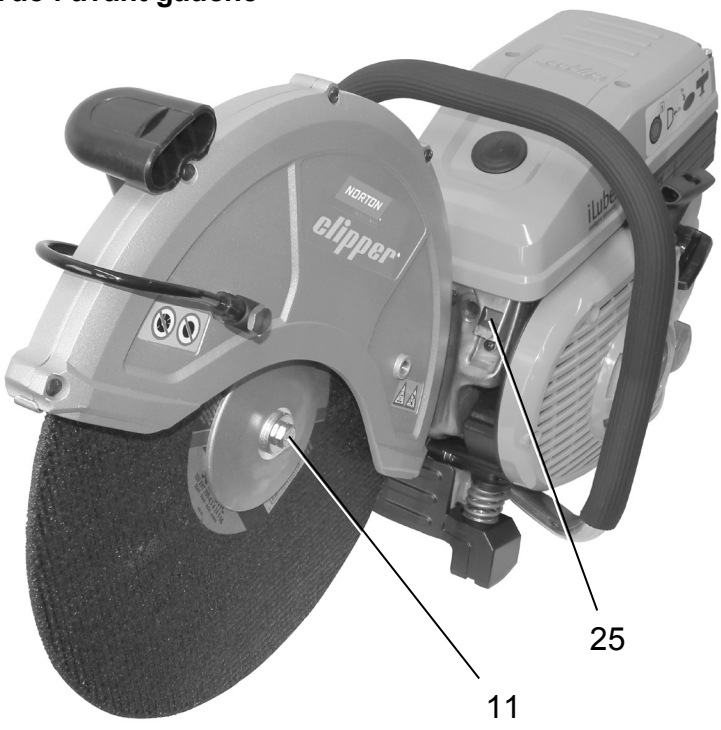


1. Disque	16. Poignée de démarrage
2. Capot de protection	17. Bouton tournant d'arrêt / bouton d'arrêt à pression unique
3. Poignée de réglage du capot de protection	18. Bouchon du réservoir de carburant
4. Étrier de maintien	19*. Bouchon du réservoir d'huile, vert (uniquement sur les modèles CP512-300i et CP514-350i)
5. Capot	20. Amorce
6. Poignée de maintien arrière	21. Valve de décompression
7. Prise d'air double flux	22. Vis de butée « T » du ralenti
8. Cache de la bougie	23. Vis de réglage du carburateur « L » et « H » (réservée aux ateliers spécialisés)
9. Blocage du levier de gaz	24. Accouplement du branchement d'eau (coupe humide)
10. Levier de gaz	25. Silencieux (échappement)
11. Vis de fixation du disque	26. Pied
12. Ouverture pour le blocage du disque	27. Accouplement du filtre à tamis de l'alimentation en eau
13. Vis de serrage de la courroie cannelée	28. Levier de la vanne d'alimentation d'eau
14. Habillage de la courroie cannelée	29. Bouton rotatif d'agitation
15. Plaque signalétique	30. Alimentation d'eau (coupe humide)
* Dépends du modèle	31. Logements du démarreur et du ventilateur avec des ouvertures de refroidissement

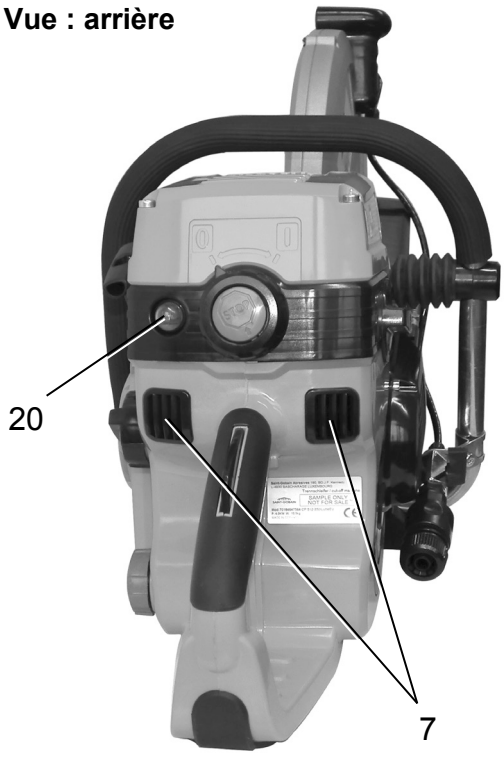
Vue : profil gauche



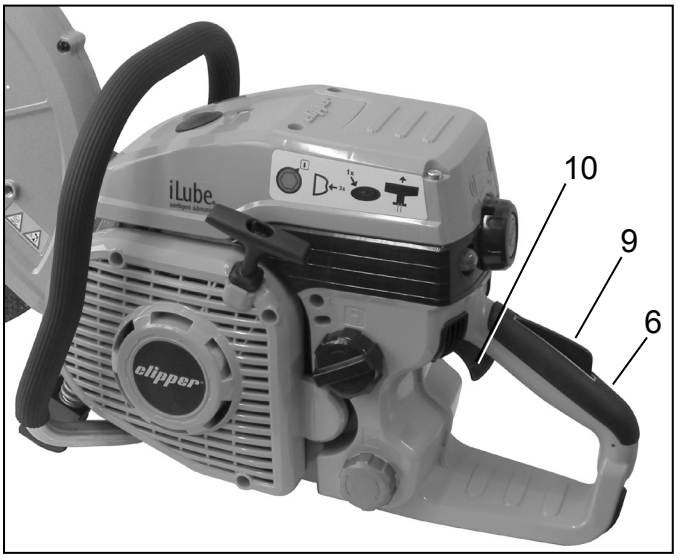
Vue : avant gauche



Vue : arrière



4.5 Blocage du levier de gaz et levier de gaz



Déblocage du levier de gaz (10)

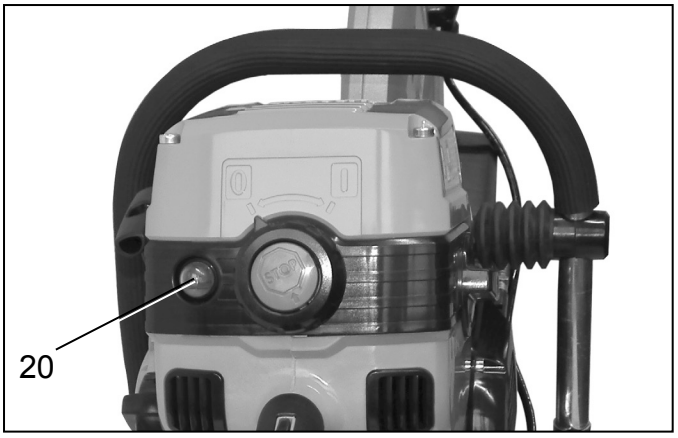
- Poignée arrière (6) à saisir avec la main droite. Actionnez en même temps, le blocage du levier de gaz (9) avec la paume.

➔ Le levier de gaz (10) est libéré.

4.6 Éléments de démarrage

Poignée de démarrage (16) et câble du démarreur : ➔ Chap 6.3, page 26

Amorce (20)

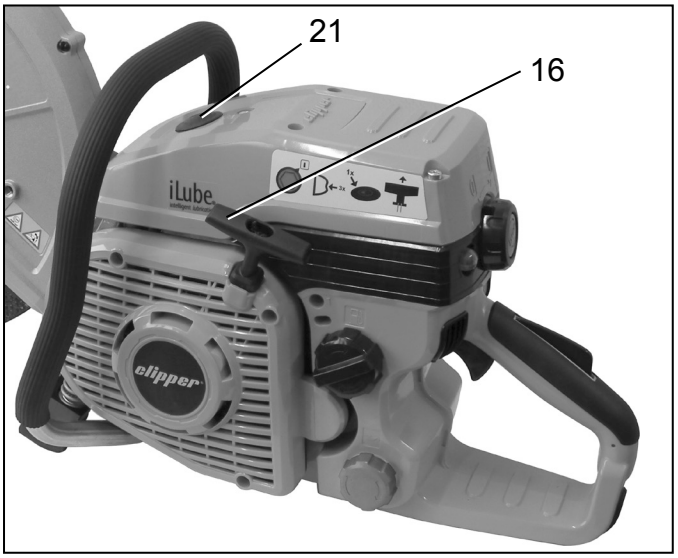


Dans l'état de livraison, après un temps de repos d'une certaine durée et si le réservoir a été vidé complètement il n'y a pas encore de carburant dans le carburateur après avoir ravitaillé.

Procédure de démarrage : ➔ Chap. 6.1, page 25

Pour faciliter le processus de démarrage, il est possible de pomper du carburant dans le carburateur. Pour cela, appuyez aussi souvent sur l'amorce (20) jusqu'à ce que le carburant soit visible dans l'amorce. Le carburant excédentaire va être refoulé automatiquement dans le réservoir l'amorce depuis l'amorce.

Valve de décompression (21)



En actionnant la valve de décompression (21), une compression plus faible est obtenue dans la chambre de combustion du moteur. Ce qui signifie que le moteur oppose une force de résistance plus faible lors du démarrage ce qui facilite sensiblement le démarrage.

Procédure de démarrage : ➔ Chap. 6.1, page 25

La valve de décompression est refermée automatiquement dès que le moteur est démarré.

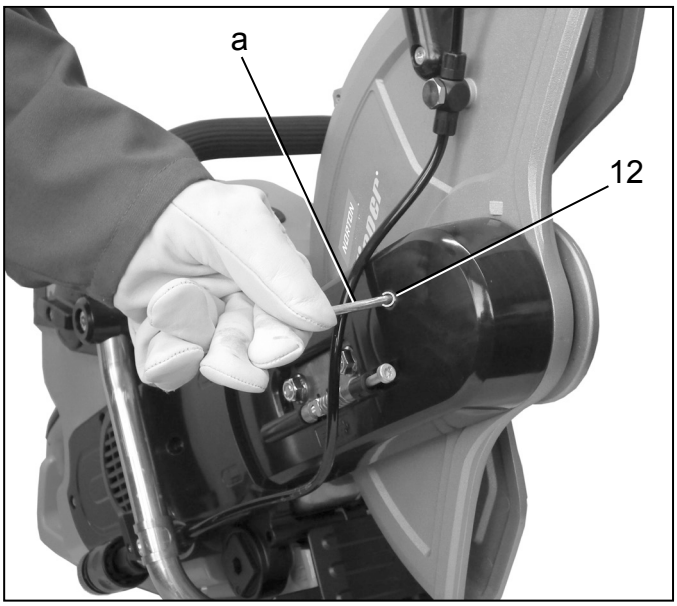
Si lors du processus de démarrage la poignée de démarrage (16) doit être activée une seconde fois, parce que le moteur n'a pas encore démarré (p. ex. lors d'un démarrage à froid), la valve de décompression ne doit pas être actionnée une seconde fois.

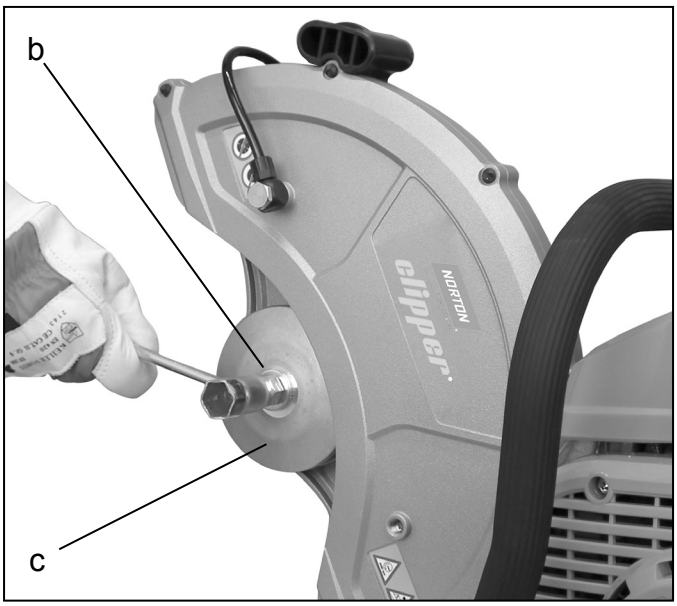
5 Préparation des travaux



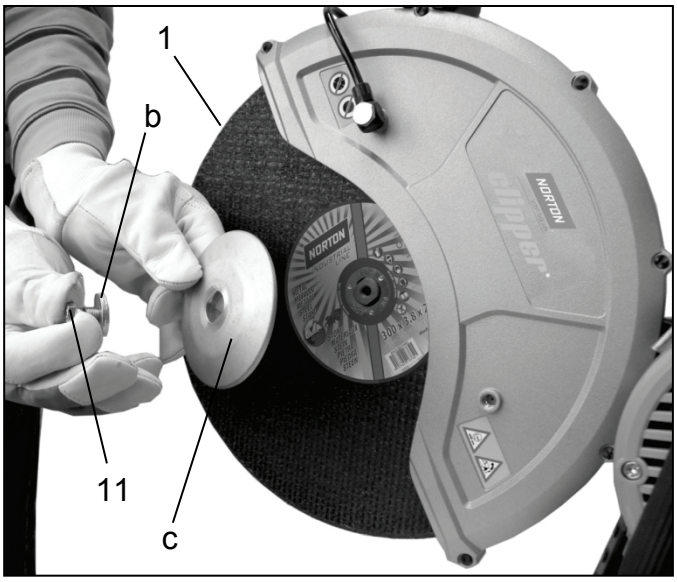
5.1 Montage du disque

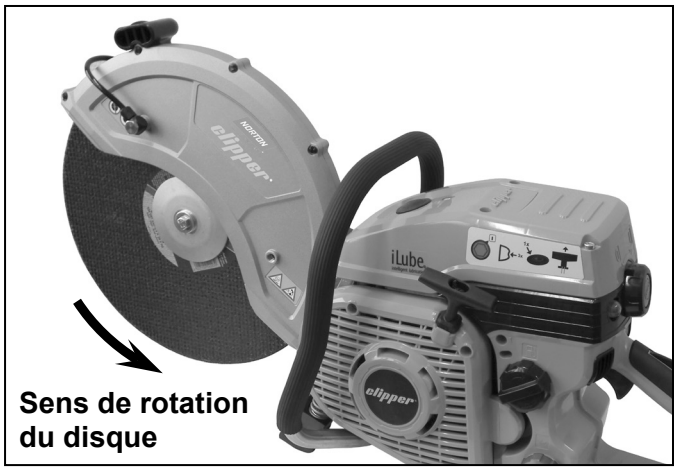
Les disques utilisés doivent être conforme aux spécificités mentionnées au chap. 7.1, page 27 !
L'axe de l'appareil à moteur est conçu pour des disques avec un diamètre intérieur de 20 mm.
Les disques d'un diamètre intérieur de 1" ne doivent être utilisés qu'avec un plateau d'adaptation à l'axe. Montage du disque avec un diamètre intérieur de 1" : ➔ Chap. 5.2, page 18)
Lors de l'utilisation de disques d'un diamètre intérieur de 20 mm, il n'est pas nécessaire d'utiliser un plateau d'adaptation.





- L'appareil à moteur doit reposer de manière sûre sur le sol pour monter le disque. Maintenez fermement l'appareil à moteur de la main gauche et appuyez-le fortement vers le sol. ➔ Chap. 5.4, page 19)
- Insérez complètement la goupille de blocage (a) dans l'ouverture de blocage (12) du disque afin de bloquer l'axe. Dévissez la vis de fixation (11) du disque. Enlevez le disque (b) et la rondelle de butée (c).





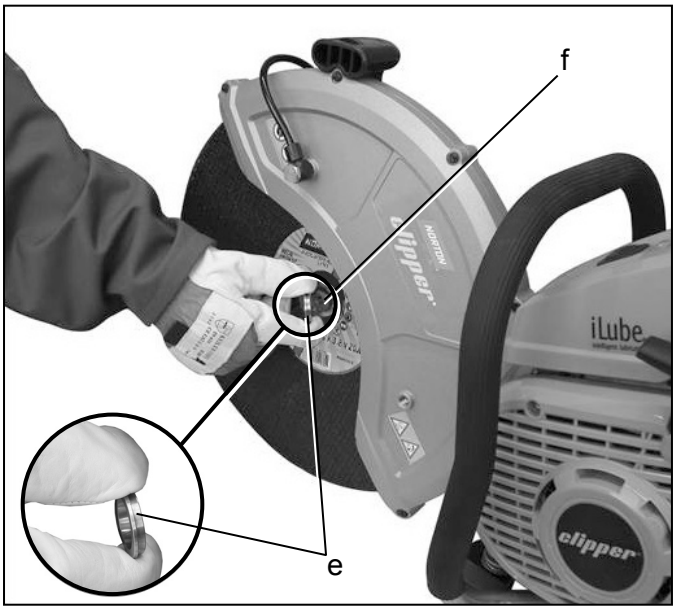
Le sens de rotation du disque est toujours celui indiqué ci-dessus pas la flèche – indépendamment du fait de savoir si le dispositif de séparation est installé dans la position extérieure ou de moyenne.

- Placez le disque (1) sur l'axe.
  Avec des disques avec un sens de rotation allégué (flèche sur le disque), l'orientation correcte du disque doit être respectée lors du montage, (voir le sens de rotation du disque ci-dessus).

- Placer la rondelle de butée (c) de telle sorte que le côté voûté soit dirigé vers l'extérieur, c.-à-d. non appliquée sur le disque.
- Placez le disque (b) et vissez la vis de fixation du disque (11).
- Insérez complètement la goupille de blocage (a) dans l'ouverture (12) et serrez solidement (30 Nm [22,1 ft·lbf]) la vis de fixation du disque (11).
  Pendant ce temps, maintenez l'appareil à moteur avec une main par la poignée de maintien de manière sûre et appuyez fortement vers le sol.
- Enlevez la goupille de blocage (a).

5.2 Montage de disques d'un diamètre intérieur de 1"

L'axe de l'appareil à moteur est conçu pour des disques avec un diamètre intérieur de 20 mm. Le montage en bonne et due forme des disques d'un diamètre intérieur de 1" se fait avec un plateau d'adaptation contenu dans le contenu de la livraison de l'appareil à moteur. Le plateau d'adaptation à l'axe assure une assise correcte du disque d'un diamètre intérieur de 1" sur l'axe.

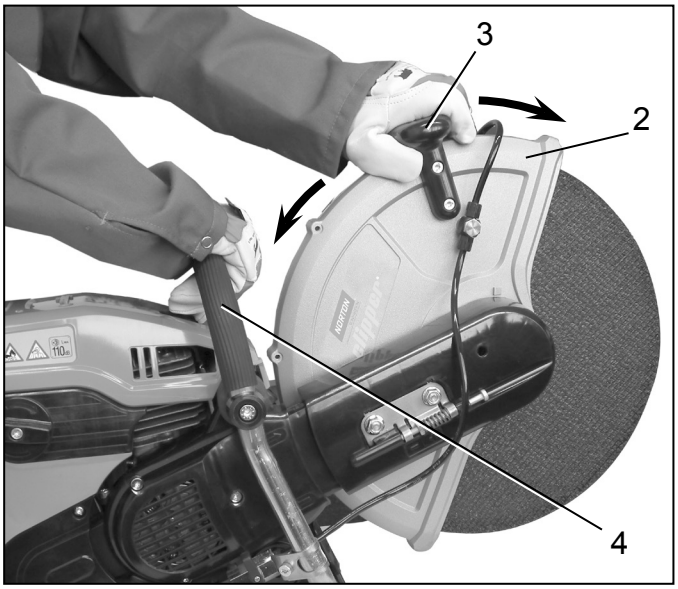


- Le montage des disques d'un diamètre intérieur de 1" se fait par analogie au chap. 5.1, à partir de la page 17.
- Après avoir placé le disque sur l'axe, il est encore nécessaire de placer le plateau d'adaptation (e) sur l'axe (f).
- Placez le plateau d'adaptation à l'axe (e) sur l'axe de façon à ce que le disque s'insère entre l'axe et le diamètre intérieur.
  La surface d'appui du plateau d'adaptation à l'axe doit être dirigée vers l'extérieur une fois inséré, c.-à-d. non appliquée sur le disque.
  L'orientation correcte du plateau d'adaptation à l'axe est impérativement nécessaire, afin que la surface intérieure plate de la rondelle de butée s'applique directement contre le disque Ce n'est qu'ainsi qu'une fixation sûre du disque est garantie.
- Le positionnement la rondelle de butée et tous les étapes suivantes doivent à nouveau être mis en œuvre de façon analogique du chap. 5.1.

5.3 Démontage du disque

- L'appareil à moteur doit reposer de manière sûre sur le sol pour démonter le disque. Maintenez fermement l'appareil à moteur de la main gauche et appuyez-le fortement vers le sol.
  ➔ Chap. 5.4, page 19
- Insérez complètement la goupille de blocage (a) dans l'ouverture de blocage (12) du disque afin de bloquer l'axe. Dévissez la vis de fixation (11) du disque. Enlevez le disque (b) et la rondelle de butée (c), (voir aussi le chap 5.1).
- Enlevez le disque de l'axe. Avec des disques d'un diamètre intérieur de 1", le plateau d'adaptation à l'axe doit également être enlevé de l'axe.
- Replacer la rondelle de butée (c) sur l'axe de telle sorte que le côté voûté soit dirigé vers l'extérieur.
- Placez le disque (b) et revissez la vis de fixation du disque (11). ➔ Chap. 5.1
- Insérez complètement la goupille de blocage (a) dans l'ouverture (12) et resserrez solidement (30 Nm [22,1 ft·lbf]) la vis de fixation du disque (11). Pendant ce temps, maintenez l'appareil à moteur avec une main par la poignée de maintien de manière sûre et appuyez fortement vers le sol.
- Enlevez la goupille de blocage (a).

5.4 Ajustage du capot de protection



Le capot de protection (2) peut être pivoté en avant et/ou en l'arrière dans une certaine mesure.

L'appareil à moteur doit reposer de manière sûre sur le sol pour ajuster le capot. Maintenez fermement l'appareil à moteur par la poignée de maintien (4) de la main gauche et appuyez-le fortement vers le sol. Pour repositionner le capot de protection (3), maintenez la poignée de la main droite et basculez le capot dans la position voulue.

Afin d'éloigner au maximum les jets d'étincelles et les particules coupantes détachées lors de la coupe de l'utilisateur, le capot de protection doit toujours être pivoté le plus en avant possible avant de couper que la situation de travail le permet.

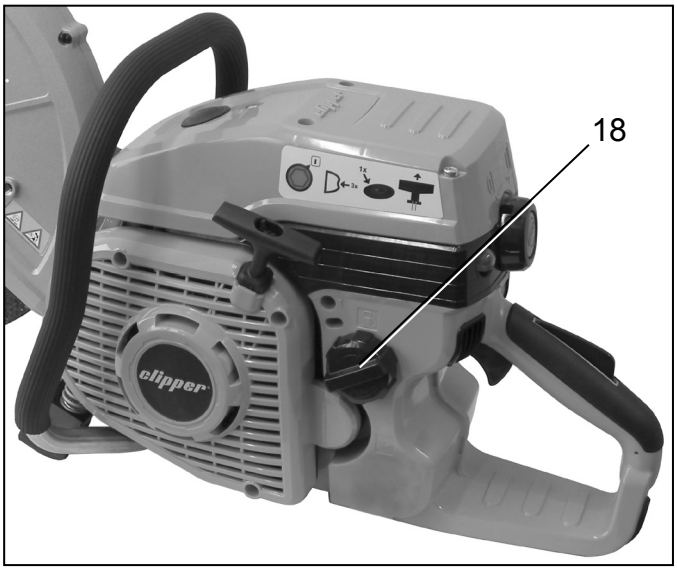
Si le dispositif de coupe a été installé en position extérieure, il faut veiller en ajustant le capot de protection à ce que la conduite d'alimentation d'eau ne soit pas coincée et que le contact entre le disque et la conduite d'alimentation d'eau soit exclu lors du travail.

5.5 Ravitaillement en carburant

Risque pour la santé !
Le contact direct de la peau avec de l'essence et l'inhalation des vapeurs d'essence doivent être exclus.

Le moteur à deux temps à grande puissance de cet appareil à moteur nécessite un mélange d'essence et d'huile dans la chambre de combustible (essence et huile = mélange de combustible).

Modèles CP512-300 et CP514-350



Les modèles CP512-300 et CP514-350 sont équipés d'un réservoir d'essence (18).

Réservoir d'essence pour un mélange de combustible conformément au tableau de mélange mentionné ci-dessous.

Des combustibles inadéquats ou des écarts de proportions de mélange peuvent entraîner des avaries au moteur !

Le mélange de combustible doit être réalisé avec les composants suivants :

- Essence sans plomb "midgrade" ou du super sans plomb (taux d'octane de pompe PON ≥ 89 $^{(R+M)}/_{2}$)
- L'huile 2 temps de marque conforme aux normes ISO-L-EGD ou JASO FD.

Ne stockez pas le mélange de carburant plus que 3 semaines.

Tableau de proportions pour le mélange de carburant

Proportion de mélange essence:huile = 50:1 (2 %)	
Essence	**Huile moteur 2 temps de marque**
1 l	20 ml
2 l	40 ml
5 l	100 ml
10 l	200 ml

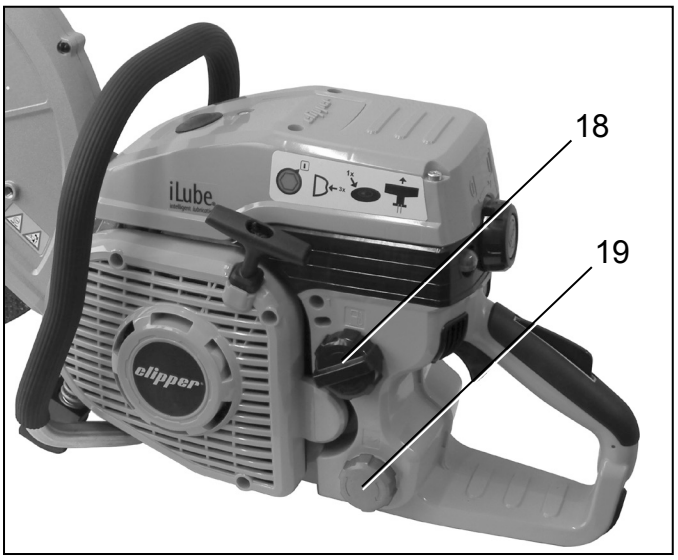
Proportion de mélange essence:huile = 50:1 (2 %)	
Essence	**Huile moteur 2 temps de marque**
1 gal	2.6 US fl. oz
2.5 gal	6.4 US fl. oz
5 gal	12.8 US fl. oz

Au lieu de mélanger soi même le carburant, il est également possible d'utiliser des mélanges spéciaux pour moteurs 2 temps prêt à l'emploi proposés par le commerce spécialisé.

Recommandation : utilisez le mélange spécifique carburant de la marque « Aspen 2-takt ».
Respectez les indications du fabricant de carburant.

Modèles CP512-300i et CP514-350i avec iLube®

Les modèles CP512-300i et CP514-350i sont équipés avec respectivement un réservoir d'essence et un réservoir pétrolier à remplir conformément à aux préconisations mentionnées ci-dessous. Le mélange de combustible est formé automatiquement avec ces modèles lors de l'utilisation (graissage séparé, iLube®, Intelligent Lubrication).



Réservoir de carburant (18) pour essence sans plomb "midgrade" ou du super sans plomb (taux d'octane de pompe PON ≥ 89 $^{(R+M)}/_{2}$).

Ne mettez pas de mélange de combustible dans le réservoir d'essence (18) !

Réservoir d'huile (19, bouchon vert) pour de l'huile 2 temps de marque conforme aux normes ISO-L-EGD ou JASO FD.

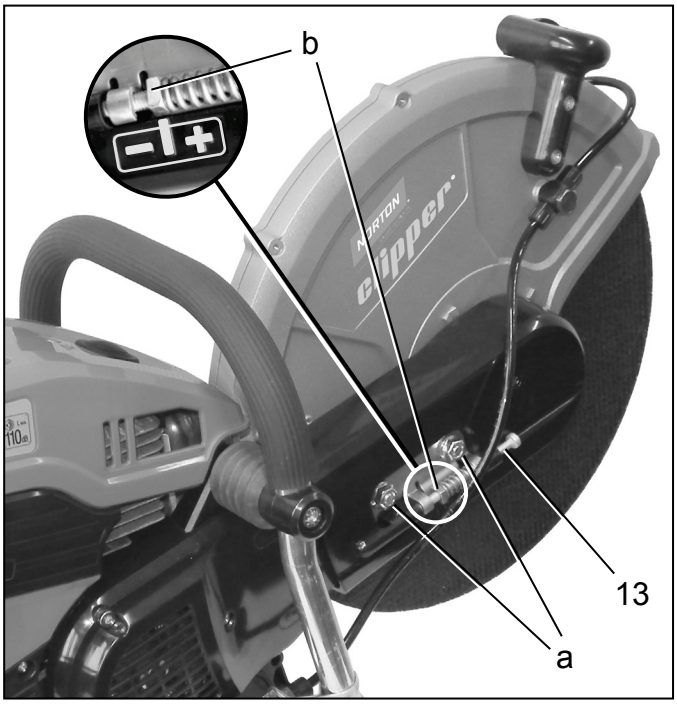
S'il n'y a pas assez d'huile dans le réservoir d'huile, l'appareil à moteur coupe déjà à bas régimes et automatiquement et n'atteint plus les régimes nécessaires pour travailler ce qui se remarque également par un bruit modifié par rapport à la marche normale. Au plus tard dans ce cas, il faut rajouter de l'huile.

Ravitaillement en combustibles (mélange de carburant et/ou essence et huile)

Respectez les dispositions de sécurité lors du ravitaillement. Ne ravitaillez que si le moteur est coupé.

- Nettoyez bien les alentours de la zone de ravitaillement.
- Poser l'appareil à moteur de telle manière que le bouchon du réservoir soit dirigé vers le haut.
- Dévissez le bouchon du réservoir.
- Pour éviter des impuretés dans le réservoir, utilisez si possible un entonnoir à tamis.
- Ne remplissez le réservoir au maximum jusqu'au bord inférieur du manchon.
- Revissez solidement le bouchon du réservoir jusqu'à ce qu'il tourne à vide.
- Après avoir ravitaillé l'appareil à moteur nettoyez les éclaboussures éventuelles de combustibles.
- Ne démarrez ou n'exploitez jamais l'appareil à moteur à l'emplacement de ravitaillement.

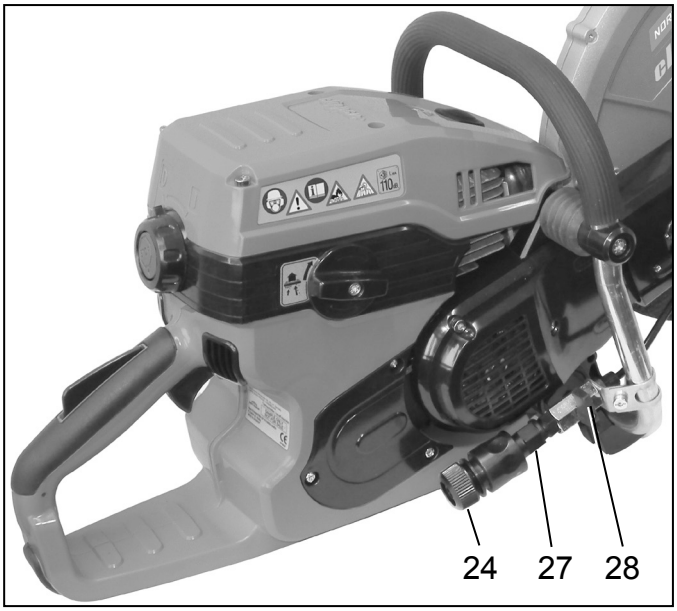
5.6 Réglage de la tension de la courroie cannelée



En principe, la tension de la courroie cannelée doit être ajustée correctement au démarrage de l'appareil à moteur. La tension doit absolument être vérifiée et ajustée lors de la première mise en service, après une remise en service après une période de non utilisation prolongée, après l'échange de la courroie cannelée ou après d'autres travaux de montage et la tension de la courroie cannelée doit éventuellement être corrigée.

- Desserrez les vis de fixation (a).
- Tournez la vis de serrage de la courroie cannelée (13) vers la droite (dans le sens des aiguilles d'une montre) :
  ➔ Augmenter la tension de la courroie. L'écrou 4 pans (b) se déplace alors vers la marque « + ».
- Tournez la vis de serrage de la courroie cannelée (13) vers la gauche (dans le sens contraire des aiguilles d'une montre) :
  ➔ Réduire la tension de la courroie. L'écrou 4 pans (b) se déplace alors vers la marque « − ».
- La tension est correcte, si l'écrou 4 pans (b) est placé sur le marquage axial, c.-à-d. entre « + » et « − ».
- Resserrez les deux vis de fixation (a).

5.7 Branchement d'eau pour la coupe humide



La coupe des matières minérales, génère vraiment beaucoup de poussière fine.
Recommandation : utilisez pour la coupe de matériaux minéraux le raccordement d'eau de l'appareil à moteur et des disques de coupe appropriés pour la coupe humide.
Lors de la coupe avec une alimentation d'eau, la poussière est liée, le contrôle visuel est amélioré et la durée de vie des disques est prolongée par l'effet refroidissant de l'eau.

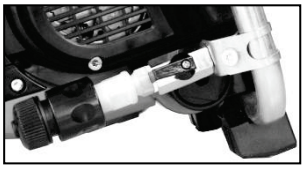
Avant une coupe humide :

- Branchez une canalisation d'eau appropriée ou le réservoir sous pression approprié au raccordement de couplage (24).
- Actionnez le levier de la vanne (28) pour ouvrir l'arrivée d'eau ou la fermer.

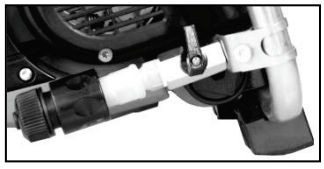
Après une coupe humide :

- Fermez l'alimentation d'eau, c.-à-d. positionnez le levier de la vanne perpendiculairement au branchement d'eau.
- Laissez encore tourner le disque environ 30 secondes à un régime élevé afin d'éliminer complètement l'eau.

Nettoyage de la cartouche filtrante du filtre à tamis dans le raccord (27) : ➔ Chap. 8.2, page 31



Alimentation d'eau ouverte (levier de vanne parallèle)



Alimentation d'eau fermée (levier de vanne en travers)

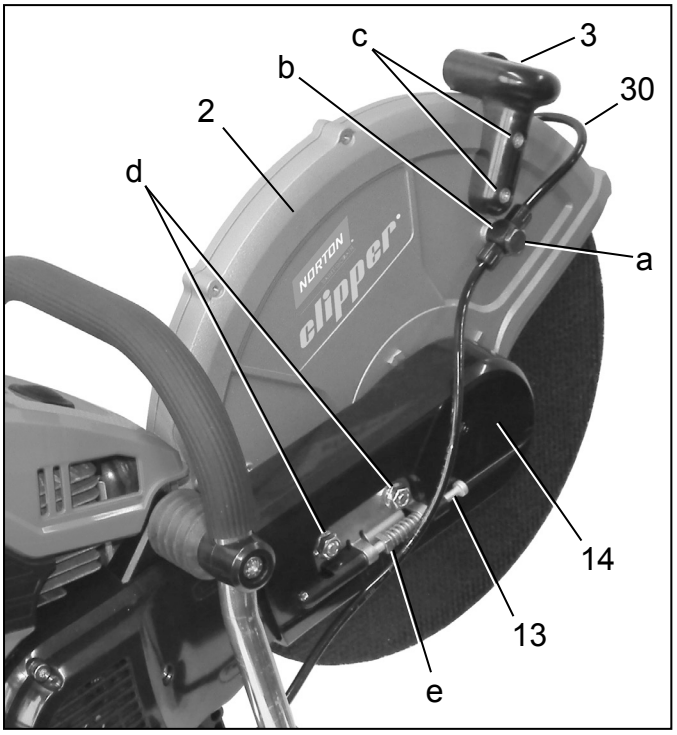
5.8 Modifier le dispositif de coupe de la position centrale en position extérieure

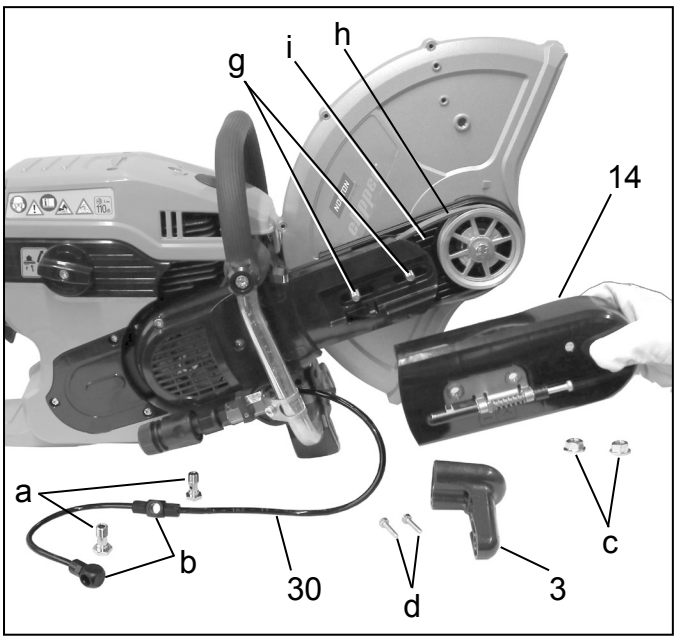
L'appareil à moteur est livré de manière standard pour une utilisation du disque en position centrale. En principe, l'équilibre de l'appareil à moteur est meilleur position centrale, puisque la répartition des poids est symétrique à l'axe central, et la coupe plus facile à diriger.

Dans le cas où des obstacles se trouvent très près de la ligne de coupe, il peut être nécessaire d'installer le dispositif de coupe en position extérieure, afin que le disque soit positionné plus à l'extérieur.

Considérez la répartition des poids asymétrique lors de l'exploitation avec le disque positionné en position extérieure ! Travaillez si possible toujours en position centrale.

Modification de la position centrale en position extérieure



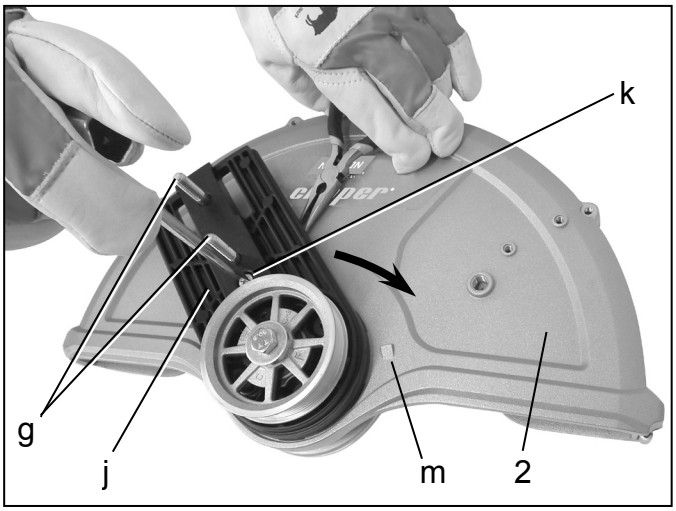


Préparatifs

- Posez l'appareil à moteur sur un sol plat.
- Démontez le disque ➔ Chap. 5.3, page 18
- Démontez l'alimentation d'eau (30) : Dévissez les vis de fixation (a) de la conduite d'alimentation d'eau sur le coté droit et sur le côté gauche du capot de protection (2). Enlevez les pièces d'adaptation (b) y compris la conduite du capot de protection. Déposer les pièces d'adaptateur y compris une conduite de telle sorte que la conduite ne dérange pas dans les étapes de travail suivantes et ne soit pas coincée.
- Démontez la poignée de réglage du capot de protection (3) : Enlevez les deux vis de fixation (c) de la poignée de réglage du capot de protection et enlevez la poignée.
- Desserrez les deux écrous de fixation (d) de l'habillage de la courroie cannelée (14).
- Tournez la vis de serrage de la courroie cannelée (13) vers la gauche, c.-à-d. dans le sens contraire des aiguilles d'une montre pour réduire la tension de la courroie cannelée. Tournez jusqu'à ce que l'écrou 4 pans (e) soit déplacée aussi loin que possible vers le marquage « − ». Lors d'un montage du dispositif de coupe en position centrale (cf. illustration), l'écrou 4 pans se trouve alors tout à gauche, lors d'un montage en la position extérieure tout à droite.
- Dévissez complètement les deux vis de fixation (d).
- Enlevez l'habillage de la courroie cannelée (14).

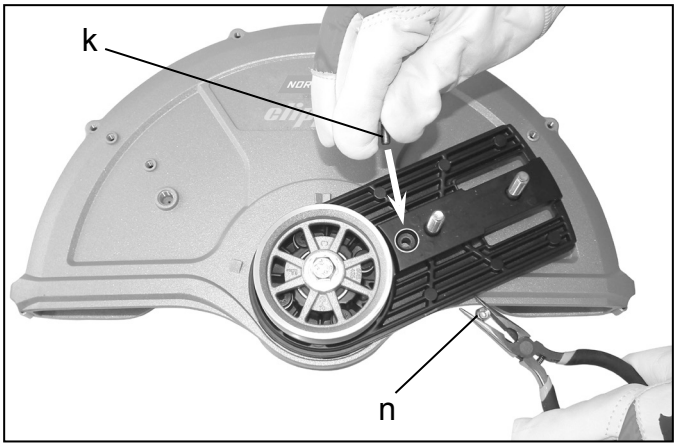
Démontez le capot de protection (2)

- Glissez le capot de protection prudemment vers l'unité moteur. Les vis (g) de la bride d'assemblage (j) sont déplacées par là dans les trous oblongs.
- Si le capot de protection a été décalé aussi loin vers l'unité du moteur que le support de la courroie cannelée (i) peut être tiré par la courroie cannelée (h), enlevez le capot de protection. Veillez à ce que la courroie cannelée ne soit pas endommagée.



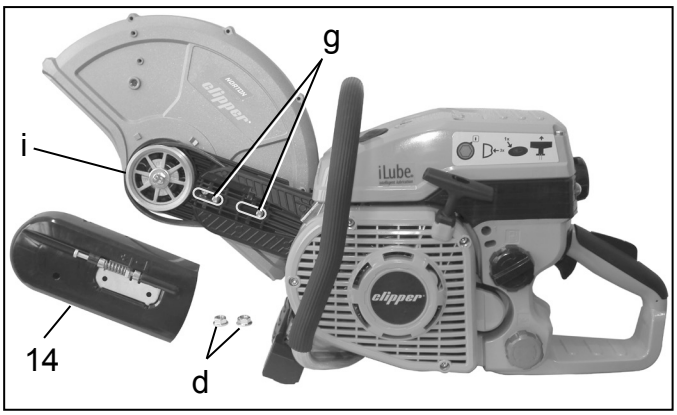
Desserrez et tournez la bride d'assemblage (j)

- Posez le capot de protection avec la bride d'assemblage (j) vers le haut sur une surface plane, (les vis (g) de la bride d'assemblage dirigées vers le haut).
- Dévissez la vis (k).
  Pour cela retenez avec une pince plate l'écrou qui se trouve au-dessous de la bride d'assemblage.
- Tournez la bride d'assemblage par rapport au capot de protection de telle sorte que le perçage d'admission de la vis (k) se situe entre la butée centrale et la butée de droite (m) du capot de protection. La rotation de la bride d'assemblage se fait difficilement. Maintenez de façon sûre le capot de protection lors de la rotation.



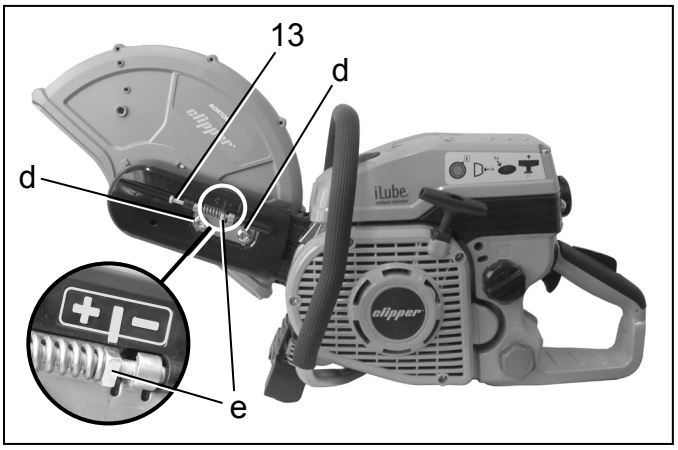
Limiter l'angle de rotation du capot de protection avec la vis (k)

- Remettez la vis (k).
  Pour cela, guidez avec une pince plate l'écrou (n) sous la bride d'assemblage et maintenez-le lors en serrant la vis.
  La rotation du capot de protection est limitée par les butées sur le capot de protection, entre lesquelles l'écrou peut être déplacé.



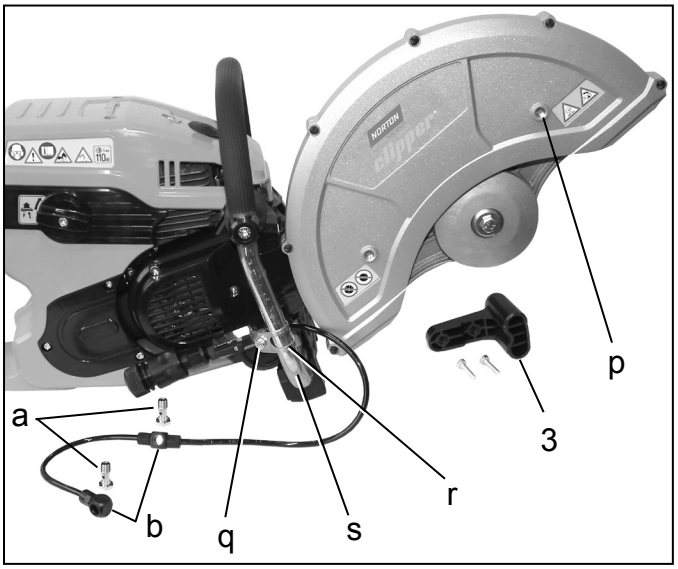
Montage du dispositif de coupe en position extérieure

- Positionnez le dispositif de coupe en position extérieure sur le support du dispositif de coupe.
  Pour cela positionnez les deux vis (g) de la bride d'assemblage dans les trous oblongs et mettez le support de la courroie cannelée (i) dans la courroie cannelée.
- Vérifiez que la courroie cannelée se déplace librement.
  Corrigez éventuellement la position de la courroie cannelée.
- Remettez l'habillage de la courroie cannelée (14).



Réglage de la tension de la courroie cannelée

- Vissez les deux écrous de fixation (d) de l'habillage de la courroie cannelée sur les vis de la bride d'assemblage. Ne serrer les écrous qu'à la main de telle manière que la tension de la courroie cannelée puisse encore être ajustée.
- Tournez la vis de serrage de la courroie cannelée (13) vers la droite, c.-à-d. dans le sens des aiguilles d'une montre pour augmenter la tension de la courroie cannelée. La tension est correcte, si l'écrou 4 pans (e) est placé sur le marquage axial, c.-à-d. entre « + » et « − ».
- Serrez les deux vis de fixation (d).



Déplacer la fixation de la conduite d'alimentation d'eau vers le haut

La conduite d'alimentation d'eau doit se positionnée de telle sorte qu'avec toutes les positions du capot de protection, un contact de la conduite d'alimentation d'eau et du disque soit exclu lors de l'utilisation.

- Positionnez la conduite d'alimentation d'eau de telle sorte qu'elle soit placée sur l'extérieur du capot de protection et non entre le capot de protection et la bride d'assemblage.
- Placez les vis de fixation (a) de la conduite d'alimentation d'eau dans les pièces d'adaptation (b).
- Positionnez les pièces d'adaptation des côtés droit et gauche du capot de protection sur les trous taraudés correspondants (p) placer et vissez les vis de fixation de la conduite d'alimentation d'eau.
- Desserrez la vis (q) du collier (r) jusqu'à ce que le collier puisse être glissé vers le haut sur le montant nu de la poignée de maintien (s).
- Décalez le collier vers le haut jusqu'à ce que la conduite d'alimentation d'eau ne puisse jamais venir en contact avec le disque.
- Vérifiez et si nécessaire corrigez le positionnement de la conduite d'alimentation d'eau avec le capot de protection pivoté complètement vers l'avant.

Remontage de la poignée de réglage du capot de protection et du disque

- Remontez la poignée de réglage du capot de protection (3) avec les vis de fixation correspondantes sur le capot de protection.
- Montage du disque : ➔ Chap. 5.1, page 17

5.9 Première mise en service / rodage

Après la fabrication, l'appareil à moteur est soumis à un processus de vérification et d'essai qui garantit que le moteur soit rodé par là de façon optimale.
C'est pourquoi qu'aucune mesure spéciale n'est nécessaire lors de la première mise en service.

6 Démarrage et arrêt du moteur



Respectez les dispositions de sécurité !

6.1 Procédure de démarrage



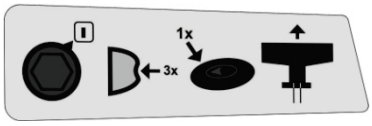
Préparatifs de démarrage

- Posez l'appareil à moteur sur un sol plat et sans obstacles et veillez à ce que le disque ne touche pas d'objets.
- Positionnez le capot de protection dans une position optimale en fonction des travaux à réaliser.
  ➔ Chap. 5.4, page 19

Réglage automatique du mélange pour un démarrage à froid ou à chaud

L'appareil à moteur est équipé d'un carburateur contrôlé électroniquement. C'est pourquoi, aucun réglage spécial n'est nécessaire pour démarrer à froid ou à chaud (p. ex. utiliser un starter manuel).

Indications de démarrage





- Tournez le bouton tournant d'arrêt en position de marche « 1 ».



- Utilisez l'amorce avant le premier démarrage. ➔ Chap. 4.6, page 16



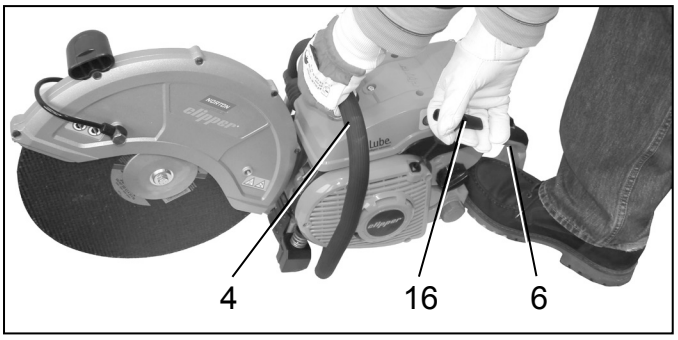
- Appuyez sur la valve de décompression avant le démarrage. ➔ Chap. 4.6, page 16
- Mettez l'appareil à moteur en position de démarrage. ➔ Chap. 6.2, page 26



- Tirez sur la poignée de démarrage. ➔ Chap. 6.3, page 26

6.2 Position de démarrage

Tout contact du disque avec des parties du corps ou des objets doit absolument être exclu.

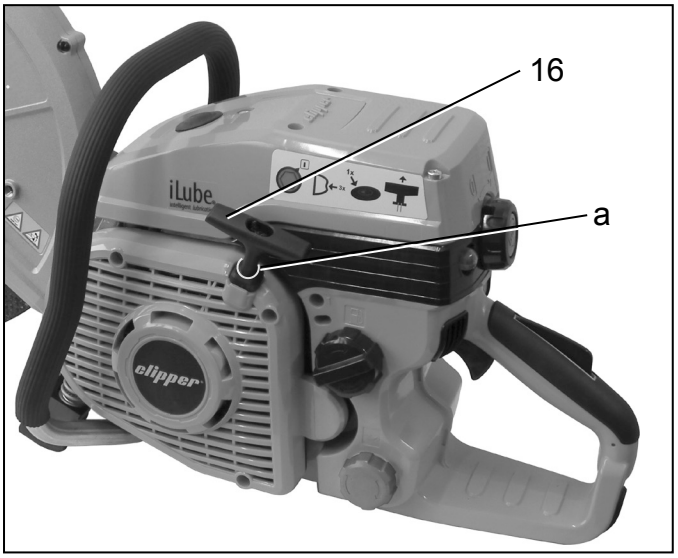


- Placez un pied dans la poignée arrière (6) et maintenez ainsi l'appareil à moteur contre le sol.
- Maintenez fermement l'appareil à moteur par la poignée de maintien (4) d'une main et appuyez-le fortement vers le sol.
- Maniez avec l'autre main la poignée de démarrage (16).

D'autres positions de démarrage ne sont pas tolérées !

6.3 Démarrage du moteur

Les indications suivantes servent prolonger la durée de vie du mécanisme de démarrage :



- Tirez la poignée de démarrage (16) lors du lancement d'abord lentement jusqu'à atteindre une résistance tangible (point mort supérieur du piston).
- Tirez ensuite rapidement et résolument la a poignée de démarrage à fond.
- Tirez toujours de telle manière à ce que la corde soit rectiligne.
- Ne faites pas frotter la corde sur le rebord de l'œillet de la corde (a)
- Risque de rupture de la corde !
  Ne tirez pas la corde jusqu'en butée.
- Ramenez toujours la poignée de démarrage dans sa position de départ – ne la lâchez pas.

Les cordes de démarrage endommagées peuvent être changées par un atelier agréé par le fabricant.

6.4 Arrêt du moteur

Lâchez le levier de gaz et appuyez sur le bouton d'arrêt à pression unique.

Avant de reposer l'appareil à moteur veillez à ce que le disque soit complètement arrêté.

Recommandation : ne tournez le bouton rotatif d'arrêt à "0" que pour les travaux de maintenance, vous éviterez ainsi tout redémarrage intempestif du moteur. Lors de l'utilisation normale de l'appareil à moteur, seule la touche d'arrêt à pression unique ne devrait être utilisée pour arrêter le moteur.

7 Utilisation de l'appareil à moteur



Respectez scrupuleusement toutes les dispositions de sécurité et généralement toutes les indications dans les autres chapitres de ces instructions d'emploi lors de tous les travaux !

Listes de contrôle lors de l'utilisation (uniquement mots-clé !) ➔

- Avant le démarrage :
  - Appareil à moteur en état de fonctionner de manière sûre ! ..... ➔ Instructions d'emploi complètes
  - Tenue préconisée ..... ➔ Chap. 3.3, page 8
  - Environs de la zone de travail explorés et sûrs ..... ➔ Chap. 3.2, page 6, et chap. 3.9, page 10
  - Disque correct monté ..... ➔ Chap. 5.1, page 17, et chap. 7.1, page 27
  - Capot de protection en position optimale ..... ➔ Chap. 5.4, page 19
  - Position du dispositif de coupe, préférence à la position centrale .. ➔ Chap. 5.8, page 22
  - Tension de la courroie correcte ..... ➔ Chap. 5.6, page 21
  - Combustibles ravitaillés ..... ➔ Chap. 5.5, page 19
- Démarrage : ..... ➔ Chap. 6, à partir de la page 25
  - Préparatifs au démarrage ..... ➔ Chap. 6.1, page 25
    - bouton tournant d'arrêt en position de marche ..... ➔ Chap. 6.1, page 25
- Pendant le travail – travaillez par définition de manière sûre : ..... ➔ Instructions d'emploi complètes
  - Vérifiez le réglage du ralenti ..... ➔ Chap. 8.3, page 32
  - Évaluation de la situation de travail ..... ➔ Chap. 3.9, page 10, chap. 7.2, page 28, et chap. 7.3, page 29
  - Préférez une coupe humide ..... ➔ Chap. 5.7, page 21
  - Technique de travail sûre ..... ➔ Chap. 7.3, page 29, chap. 7.4, page 29, et chap. 7.5, page 29
  - Indications d'utilisation et de maintenance complètes ..... ➔ Chap. 8, à partir de la page 30
    - Filtre à air propre ..... ➔ Chap. 8.4, page 32
- Après le travail : ..... ➔ Instructions d'emploi complètes
  - Nettoyage et entretien ..... ➔ Chap. 8.1, page 30
  - Stocker l'appareil à moteur de manière sûre ..... ➔ Chap. 8.10, page 39
  - Entretien ..... ➔ Instructions d'emploi complètes

7.1 Disques



Seuls des disques qui correspondent aux normes ANSI B7.1, EN 12413 et EN 13236 et qui sont absolument intacts peuvent être utilisés.
La vitesse de rotation maximale de la broche de l'appareil à moteur est de 4.550 min^{-1} [4.550 RPM].
Utilisez exclusivement des disques de découpe haute vitesse dont la vitesse de rotation maximale est d'au moins 4.550 min^{-1} [4.550 RPM].

Des disques différents sont proposés pour le traitement des métaux (coupe à chaud) et pour le traitement des matières minérales (coupe à froid). En principe, seul un disque agréé pour la matière à travailler doit être utilisé.

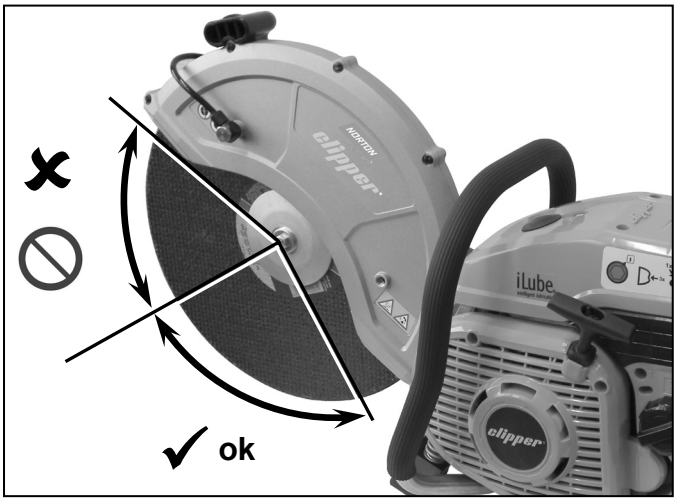
Des disques de diamant sont exclusivement permis pour couper des matières minérales.
Lors du montage de disques de diamant, le sens de rotation qui est indiqué sur le disque de diamant doit absolument être respecté, puisque l'effet de coupe serait rapidement diminué par la perte du diamant.
Sens de rotation du disque monté : ➔ Chap. 5.1, page 17

Les disques en résine artificielle ne doivent pas être exposés à l'humidité. Le raccordement d'eau pour la coupe humide ne doit pas être utilisé avec des disques en résine artificielle. N'utilisez pas les disques en résine artificielle avec une humidité de l'air élevée et sous la pluie.

L'axe de l'appareil à moteur est conçu pour des disques avec un diamètre intérieur de 20 mm.
Les disques d'un diamètre intérieur de 1" ne doivent être utilisés qu'avec le plateau d'adaptation à l'axe compris dans le contenu de la livraison de l'appareil à moteur.
Montage du disque avec un diamètre intérieur de 1" : ➔ Chap. 5.2, page 18
Les disques d'un diamètre intérieur différent ne doivent pas être utilisés !
Ne pas modifier le diamètre intérieur en le perçant ni de toute autre façon.

Les nouveaux disques doivent être testés avant le premier processus de coupe au moins pendant 60 secondes avec le régime maximum indiqué. Aucun élément d'un corps ne doit se trouver dans le prolongement de la zone de décalage du disque.

7.2 Zone de coupe autorisée et risque des forces de recul (Kickback) et risque d'entrainement



✘ Le secteur supérieur du disque ne doit pas être utilisé pour couper !

✓ Seul le secteur inférieur du disque doit être utilisé pour couper !

Risque de blessures causées par le recul (Kickback) !
Les forces de recul naissent quand on utilise la zone supérieure du disque pour couper.
L'appareil à moteur est alors sans contrôle et projeté à haute vitesse vers la tête de l'utilisateur.

- Ne coupez jamais avec le secteur supérieur du disque !
- En reprenant des coupes déjà, commencées une précaution accrue est nécessaire !

Risque de blessure par entrainement !
L'entrainement naît, si la coupe est rétrécie (déchirure ou objet sous tension).
L'appareil à moteur est dans ce cas accéléré vers l'avant sans contrôle et avec une énergie élevée.

- Réalisez toujours un processus de coupe et une seconde attaque d'une coupe déjà commencée avec un régime de rotation maximal.
- Maintenez toujours l'objet de telle sorte que la coupe soit sous tension, afin que le disque ne soit pas coincé lors de la coupe.
- Au début du processus de coupe, rapprochez toujours le disque prudemment vers l'objet, ne procédez pas par saccades.
- Ne jamais couper plusieurs objets en même temps !
- Veillez en coupant qu'aucun autre objet à couper ne soit touché.

7.3 Comportement au travail et technique de travail

- Lors de processus de coupe plus complexes, la direction et l'ordre des coupes doivent être définis avant, pour empêcher le coincement du disque par les particules extraites et éviter des blessures par la chute de parties.
- Tenez toujours l'appareil à moteur avec les deux mains. Main droite sur la poignée arrière, main gauche sur la poignée de maintien. Empoignez solidement les poignées avec les pouces.
- Exploitez si possible l'appareil à moteur à haut régimes.
- Un changement de direction (rayon inférieur à 5 m [env. 15 ft]), une pression latérale ou une inclinaison de l'appareil à moteur pendant le processus de coupe sont interdits.
- En coupant des objets à travailler utilisez une assise sûre et sécurisez l'objet contre des glissements et des rotations. L'objet ne doit pas être retenu avec le pied ou une autre personne.
- Soyez toujours prêts à des forces de recul de la pièce à travailler et assurez un espace de recul suffisant.
- Veillez à ce que le matériel séparé ne puisse pas causer de blessures ou des dégâts matériels.

7.4 Coupe de métaux



Portez toujours l'équipement de protection respiratoire lors d'une coupe à sec.

Les métaux sont chauffés et fondus au point de contact par la rotation rapide du disque.

- Pivotez le capot de protection aussi loin que possible vers le bas, pour orienter la projection d'étincelle le plus possible vers l'avant, c.-à-d. loin de l'utilisateur.
- Avant la coupe déterminez le profil de la coupe, marquer-le et approchez le disque du matériel à un régime moyen. Ce n'est qu'après l'amorce de la couper dans la rainure de guidage que vous pouvez continuer la coupe à haut régime et avec une pression accrue.
- Ne réalisez la coupe que de manière linéaire et verticale. Toujours bien aligner l'appareil.
- On atteint le mieux une coupe sûre et égale en tirant et/ou en poussant de manière contrôlée l'appareil à moteur en avant. En guidant l'appareil à moteur vers l'avant ne poussez pas le disque dans le matériel en plus de l'avancée provoquée par la rotation disque.
- Les barres métalliques rondes d'un diamètre important doivent être coupées par étapes.
- Les tuyaux fins se coupent facilement par une coupe verticale.
- Traitez les tuyaux d'un diamètre important comme les barres métalliques pleines. Pour éviter de coincer le disque et pour avoir un meilleur contrôle du processus de coupe, ne laissez pas pénétrer le disque trop profond dans le matériel. Veuillez à ce que la pièce ne touche pas les disques d'appui de la fixation du disque de découpe.
- Coupez les poutrelles doubles en T ou le fer cornière par étapes.
- Le fer plat ou les plaques d'acier se coupent comme les tuyaux, à plat en tirant, avec une longue surface de coupe.
- Entaillez toujours un peu sur la face sous pression des matériaux sous tension (des matériaux soutenus ou emmurés) puis couper sur la face sous tension afin que le disque ne soit pas coincé.

7.5 Coupez les matériaux minéraux

La coupe des matières minérales, génère vraiment beaucoup de poussière fine.
Recommandation : utilisez pour la coupe de matériaux minéraux le raccordement d'eau de l'appareil à moteur et des disques de coupe appropriés pour la coupe humide.
Lors de la coupe avec une alimentation d'eau, la poussière est liée, le contrôle visuel est amélioré et la durée de vie des disques est prolongée par l'effet refroidissant de l'eau.
Branchement d'eau pour la coupe humide : ➔ Chap. 5.7, page 21

De petits morceaux de matières minérales peuvent être arrachées au point de contact par la rotation rapide du disque de découpe et projetés hors de la rainure de découpe.

- Pivotez le capot de protection aussi loin que possible vers le bas, pour orienter les particules détachées le plus possible vers l'avant, c.-à-d. loin de l'utilisateur.
- Marquez le cours de la coupe et meulez une cannelure d'environ 5 mm [approx. 3/16"] sur toute la longueur avec la moitié de la puissance de l'appareil à moteur. Cette cannelure guidera ensuite exactement l'appareil à moteur lors du processus de coupe.
- Réalisez le processus de coupe avec des déplacements de va et vient réguliers.
- En entaillant des plaques de pierre, il suffit de tailler une cannelure plate (évitez un développement de poussière inutile), pour couper ensuite proprement la partie en porte à faux sur une assise plane.

8 Instructions de fonctionnement et de maintenance



L'entretien et le dépannage des appareils à moteur modernes ainsi que ses sous-groupes liés à la sécurité exigent une formation spécialisée qualifiée et un atelier équipé avec des outils spéciaux et des appareils d'essai.
Recommandation : faites effectuer tous les travaux non décrits dans ces instructions d'emploi et tous les travaux dont vous ne vous sentez pas capable par un atelier spécialisé et agréé par le fabricant.
Le spécialiste dispose de la formation, de l'expérience et de l'équipement nécessaires et vous propose au cas par cas la solution la plus économique. Il vous aide par tous les moyens.



Respectez les dispositions de sécurité lors de tous les travaux d'entretien !



Après un rodage d'environ 5 heures de fonctionnement, le serrage de toutes les vis et écrous accessibles (sauf les vis de réglage du carburateur) doit être vérifié et éventuellement resserré.

Stockez de préférence l'appareil à moteur à un endroit sec et sûr avec le réservoir d'essence plein. Il ne doit pas y avoir de feu ouvert ou similaire à proximité.
En cas de stockage prolongé, (> 4 semaines) les indications du chap. 8.10 page 39 doivent être respectées.

8.1 Nettoyage et soins



L'appareil à moteur doit être nettoyé en profondeur après chaque utilisation et vérifié pour détecter les endommagements, en particulier les ouvertures de refroidissement dans le boitier du démarreur doivent être propres et dégagées.
Avec le temps, des dépôts de matériels se forment à l'intérieur du capot de protection (en particulier avec des coupes humides) qui risquent dans certains cas de gêner la rotation libre du disque.

Pour nettoyer, n'utilisez que des produits de nettoyage écologiques proposés par le commerce spécialisé. Ne nettoyez pas avec du carburant !

- Démontez le disque et la rondelle de butée. ➔ Chap. 5.3, page 18
- Enlevez les dépôts de matériaux à l'intérieur du capot de protection avec une baguette en bois ou similaire.
- Nettoyez l'axe et toutes les pièces démontées et vérifiez si elles ne sont pas endommagées.
- Nettoyez le disque et vérifiez s'il n'est pas endommagé. Si des dégâts sont constatés, mettez le disque immédiatement au rebut en bonne et due forme, pour éviter qu'il ne soit utilisé à nouveau lors d'une prochaine intervention.

- Vérifier l'absence de dommages sur le capot de protection. Si vous constatez des dommages, remplacez le capot de protection par un capot intact avant d'utiliser l'appareil à moteur et éliminer immédiatement et correctement le capot endommagé.
- Remontez la rondelle de butée, toutes les autres pièces et le disque. ➔ Chap. 5.1, page 17

8.2 Nettoyage de la cartouche du filtre à tamis de l'accouplement

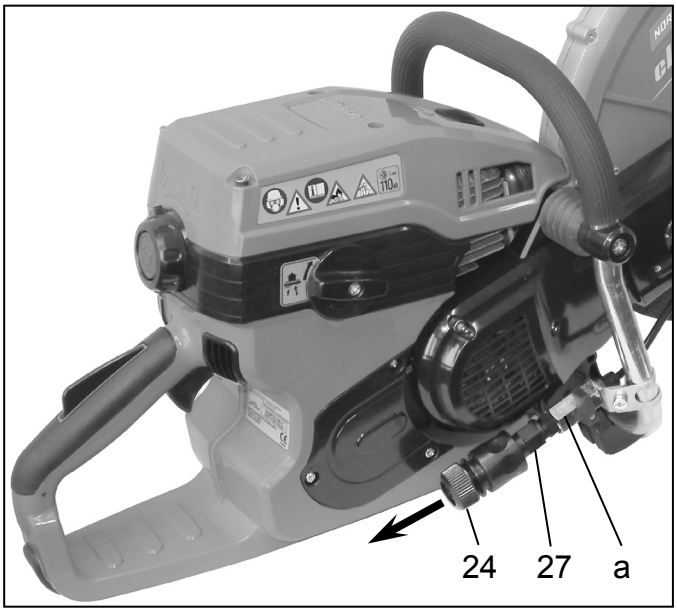


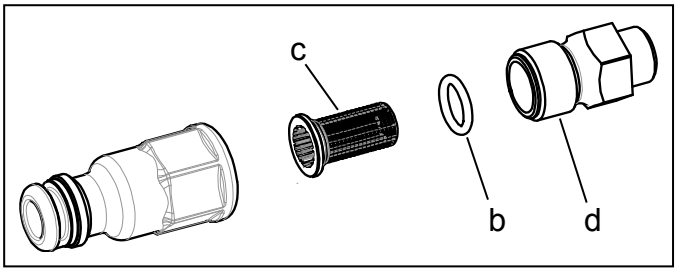
L'accouplement de la conduite d'alimentation d'eau pour la coupe humide est équipé d'une cartouche filtrante avec filtre à tamis qui doit prévenir un bouchage de la conduite d'alimentation d'eau par des salissures contenues dans l'eau de la conduite.
Branchement d'eau pour la coupe humide : ➔ Chap. 5.7, page 21



Risque de pollution de la conduite d'alimentation d'eau !
N'ouvrez le branchement d'eau que dans un environnement propre.

La cartouche filtrante du filtre à tamis doit être démontée et nettoyée en profondeur toute les semaines ou si la quantité d'eau acheminée nécessaire à la coupe humide n'est plus suffisante, selon les indications suivantes :



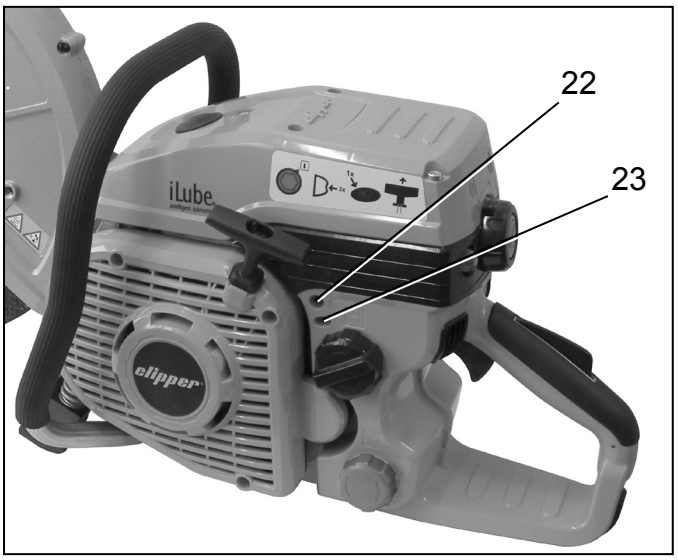


- Arrêtez le moteur et tournez le bouton tournant d'arrêt sur « 0 ».
  Arrêt du moteur : ➔ Chap. 6.4, page 26
- Enlevez le branchement de l'accouplement de la conduite d'alimentation d'eau. Pour cela, retirez le branchement de l'accouplement (24) dans le sens de la flèche du raccord du filtre à tamis (27) de la conduite d'alimentation d'eau.
- Dévissez l'accouplement du filtre à tamis du branchement (a) de la conduite d'alimentation d'eau avec une clé plate adaptée.
- Démonter l'accouplement du filtre à tamis (27) avec une clé plate adaptée.
- Enlevez la cartouche filtrante du filtre à tamis (c) de son emplacement (c) de l'accouplement.
- Retirez le joint (b) de la cartouche du filtre à tamis.
- Rincez avec de l'eau propre jusqu'à ce qu'il n'y ait plus de résidus de saleté la cartouche filtrante du filtre à tamis, le branchement du raccordement, les deux parties du raccord de filtre et le joint.
- Remontez le joint (b) sur la cartourche du filtre à tamis (c).
- Remettez la cartouche du filtre à tamis (c) avec le joint (b) dans le bon sens (voir illustration) dans son emplacement (d) de l'accouplement .
- Remontez l'accouplement du filtre à tamis.
- Revissez l'accouplement du filtre à tamis en place sur le branchement (a) de la conduite d'alimentation d'eau.
- Remettez le branchement de l'accouplement en place.

8.3 Ralenti / réglage du carburateur



Le disque ne doit pas être entrainé au ralenti !
Le niveau du ralenti doit être vérifié avant de démarrer tout travaux et à corriger le cas échéant.



Avec un réglage correct du ralenti, le moteur devrait tourner sans à coups au ralenti, sans que le disque ne soit entrainé.

Le carburateur est réglé de manière optimale en usine.
Selon le lieu d'emploi, une correction du réglage du ralenti peut être nécessaire avec la vis de butée du ralenti « T » (22).

Les vis de réglage du carburateur « L » (réglage du mélange au ralenti) et « H » (réglage du mélange à pleine puissance) (23) ne doivent être ajustées que par un atelier spécialisé agréé par le fabricant.

Vis de butée du ralenti « T »

La vis de butée du ralenti « T » peut être réglée avec le petit tournevis compris dans le contenu de la livraison.

Pour faire un réglage correct, le filtre à air doit être propre. Entretien du filtre à air : ➔ Chap. 8.4, page 32
Laissez chauffer le moteur avant le réglage.

Pour régler le régime du ralenti indiqué dans les données techniques (chap. 4.3, page 13), procédez, de préférence à l'aide d'un compte-tours, de la manière suivante :

- Régime du ralenti trop haut (en particulier si le disque tourne sans accélérer) :
  ➔ Ouvrez un peu la vis de butée du ralenti « T » dans le sens contraire des aiguilles d'une montre.
- Régime du ralenti trop bas (c.-à-d. que le moteur cale souvent au ralenti) :
  ➔ Fermez un peu la vis de butée du ralenti « T » dans le sens des aiguilles d'une montre jusqu'à ce que le moteur tourne sans à coups et sans caler.

Si un réglage optimal du carburateur ne peut pas être atteint en tournant de la vis de butée du ralenti « T », faites ajuster de façon optimale le carburateur par un atelier spécialisé agréé par le fabricant.

8.4 Entretien du filtre à air



Un filtre à air sale réduit la puissance. La consommation de carburant et la quantité de polluant dans les gaz d'échappement augmentent. D'autre part, le démarrage est plus difficile.

Vidage intermédiaire du filtre à air

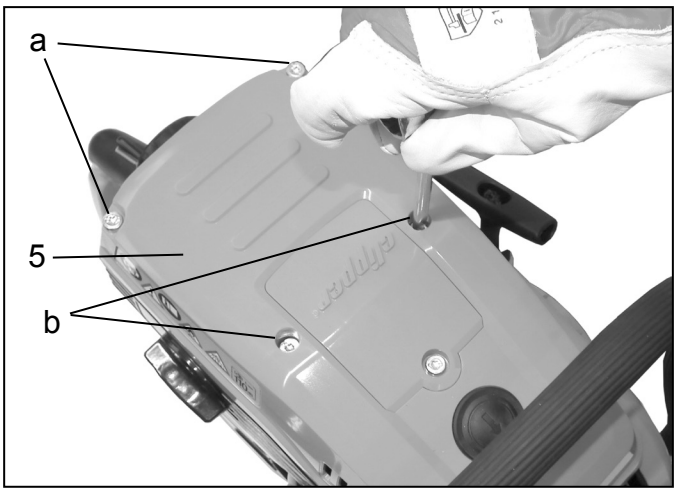


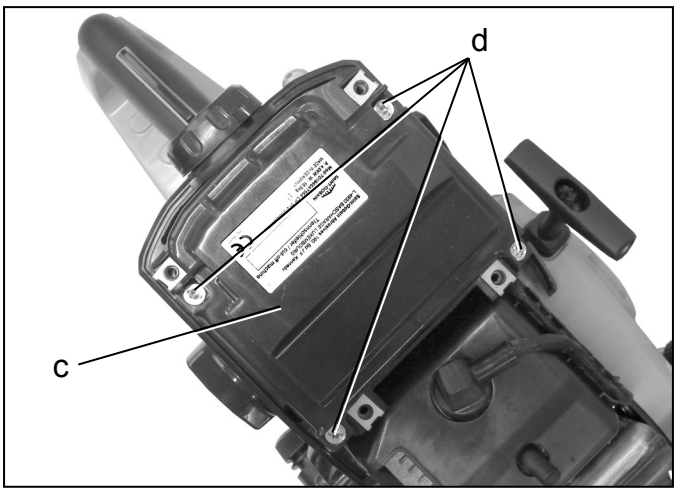
Tournez le bouton rotatif d'agitation (29) pour faire un vidage grossier du filtre à air pendant les travaux. Le boîtier du filtre à air y compris des filtres à air sont agités par là et la poussière lâche tombe. Inclinez légèrement l'appareil à moteur vers l'arrière et faites tomber la poussière par les ouvertures d'aspiration. Tournez en cas de besoin plusieurs fois le bouton rotatif d'agitation.

Nettoyage du filtre à air

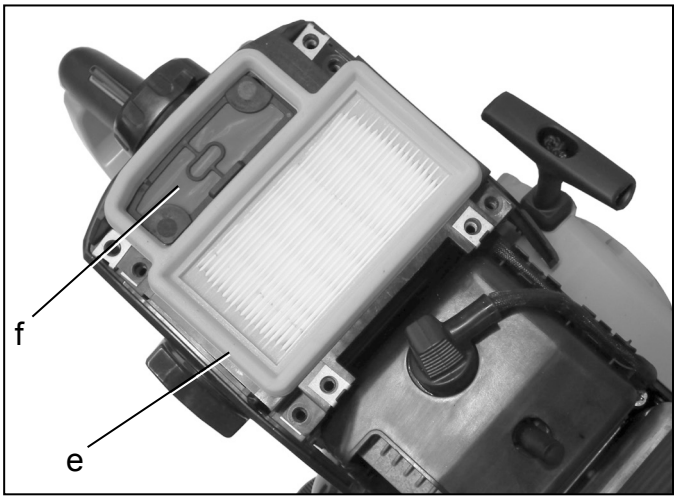
Le filtre à air doit être démonté et nettoyé en profondeur toute les semaines ou si la puissance du moteur baisse nettement.

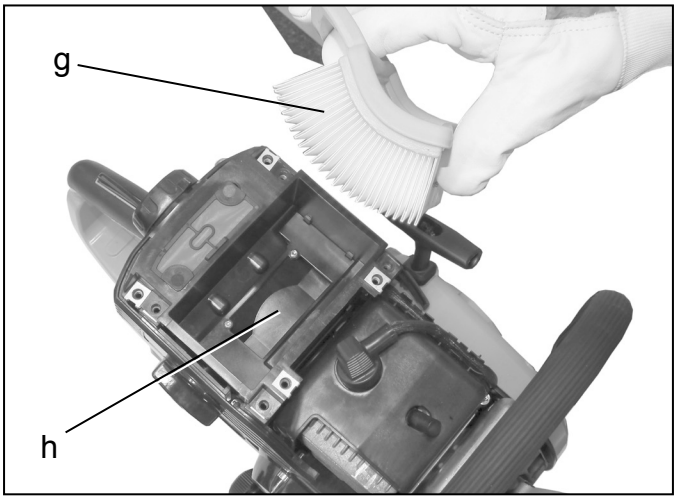
Risque de salissure de l'intérieur du filtre !
N'ouvrez le capot et le couvercle du boitier du filtre à air que dans un environnement propre.





- Arrêtez le moteur et tournez le bouton tournant d'arrêt sur « 0 ».
  Arrêt du moteur : ➔ Chap. 6.4, page 26
- Desserrez les quatre vis de fixation (a) et (b) du capot (5). Enlevez le capot.
- Desserrez toutes les quatre vis de fixation (c) du couvercle du boitier du filtre à air (d) et enlevez le couvercle du boitier du filtre à air.





L'habillage à mailles fines (f) et le filtre à air (g) ne doivent pas être nettoyés ni avec de l'humide ni avec de l'air comprimé.

Risque de casse moteur à cause d'un filtrage insuffisant !
Remplacez immédiatement le matelas filtrant endommagé !

- Saisissez le filtre à air au niveau du cadre du filtre à air (e) et enlevez-le vers le haut.
- Donnez de petits coups ou séparez les différentes couche de papier (g) est le plus approprié au nettoyage du filtre à air.
- Saisissez l'appareil à moteur avec les deux mains et tournez-le, pour vider la boîte du filtre à air (h).
- Dépoussiérez avec un pinceau sec l'habillage à mailles fines (f) ainsi que le boitier du filtre à air.
- Remettez le filtre à air.
- Remontez les éléments du boitier.

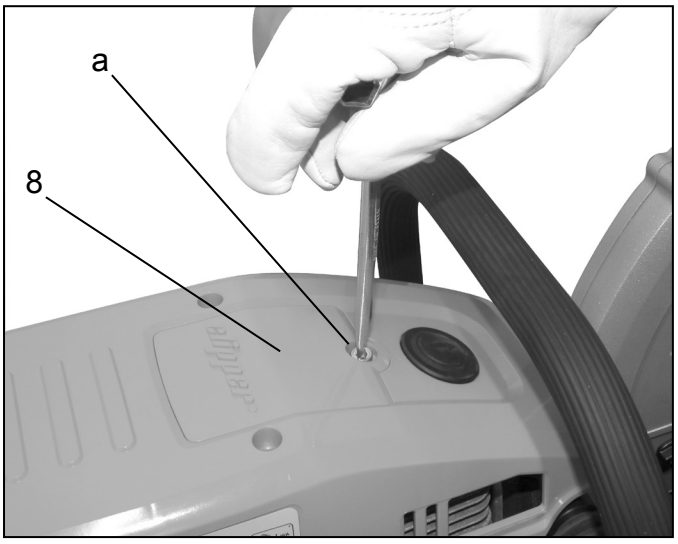
Tenir compte lors du remontage des éléments du boitier du positionnement correct des parties du boitier, d'utiliser les vis correspondantes respectives et de resserrer solidement toutes les vis.
Les vis de fixation du capot (a) et (b) ne doivent pas être interverties. Les deux vis de fixation du capot (b) sont plus courtes que les vis (a).

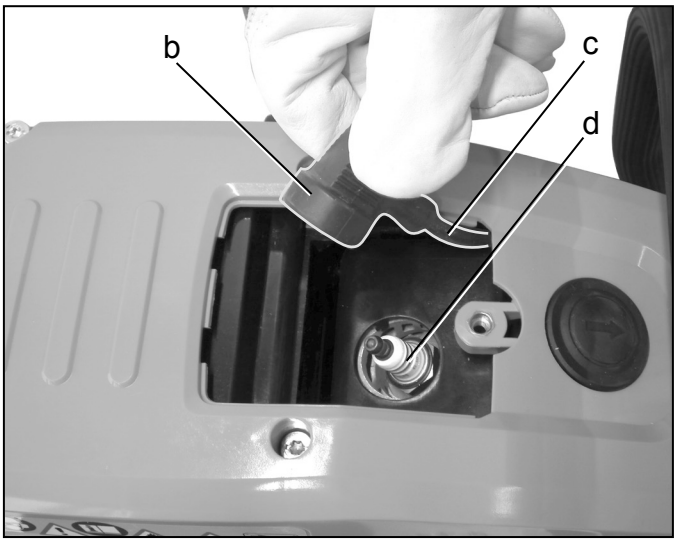
8.5 Vérification et éventuel remplacement de la bougie



Risque de salissure de l'intérieur de l'appareil à moteur !
N'ouvrez le cache de la bougie que dans un environnement propre.

La bougie doit être vérifiée régulièrement toutes les 50 heures de service.





- Arrêtez le moteur et tournez le bouton tournant d'arrêt sur « 0 ».
  Arrêt du moteur : ➔ Chap. 6.4, page 26
- Desserrez les vis de fixation (a), puis soulevez le cache de la bougie (8) par la collerette pour l'enlever ensuite.
- Enlevez la prise de la bougie (b) de la bougie (d) située en dessous.

Risque d'incendie par la formation d'étincelles !
Ne mettez pas le moteur en mouvement si la bougie (d) est dévissée ou si le câble d'allumage (c) est sorti de sa prise.

- Dévissez la bougie (d) et séchez-la correctement.
- Nettoyez la bougie avec un chiffon sec et vérifiez les électrodes. Il ne doit pas y avoir de corps étranger entre les électrodes. Enlevez en brossant avec une brosse à bougies les éventuels corps étrangers.



0,5 mm [env. 0,02"]

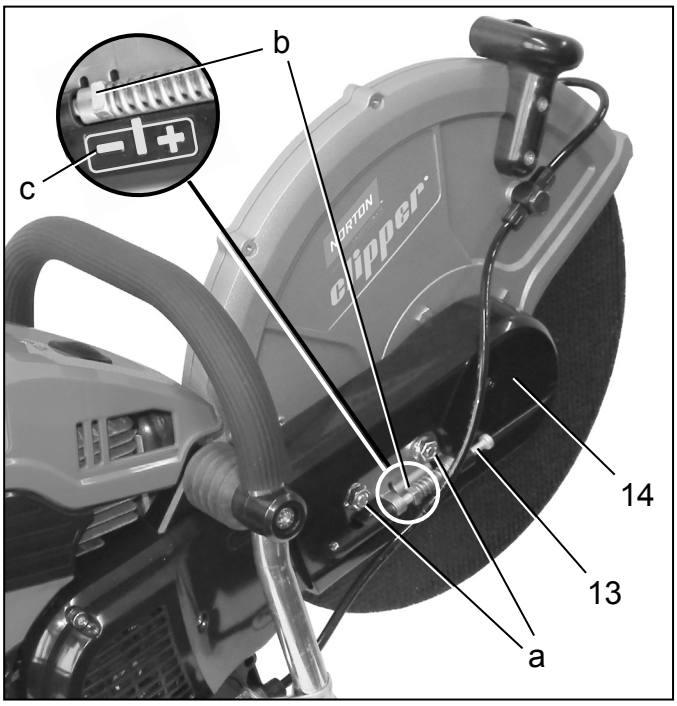
- Si les électrodes sont fortement décalaminées, la bougie doit être remplacée immédiatement – sinon, après 100 heures de service.
- Écart préconisé entre les électrodes : 0,5 mm [env. 0,02"]
  Si l'écart entre les électrodes n'est pas correct, la bougie doit être remplacée. Les bougies déparasitées suivantes sont autorisées pour une utilisation dans cet appareil à moteur :
  BOSCH WSR6F, CHAMPION RCJ-6Y et NGK BPMR7A
  L'utilisation d'autres bougies n'est pas autorisée !

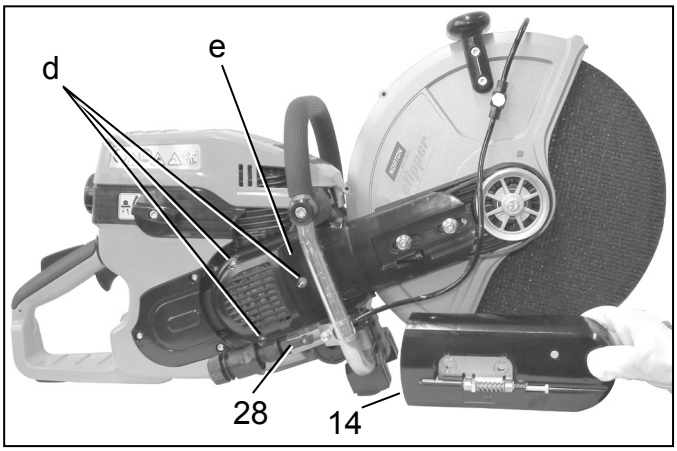
- Vérifiez le câble d'allumage (c) il doit avoir un contact parfait et une isolation intacte.
  Si l'isolation est endommagée ne continuez pas à travailler, mais faites faire une réparation dans un atelier spécialisé agréé par le fabricant.
- Revissez la bougie (d). Couple de serrage : 25 Nm [18,4 ft·lbf]
- Appuyez fortement la cosse de la bougie (b) sur la bougie (d) lors du remontage.
- Remontez le cache de la bougie (8).

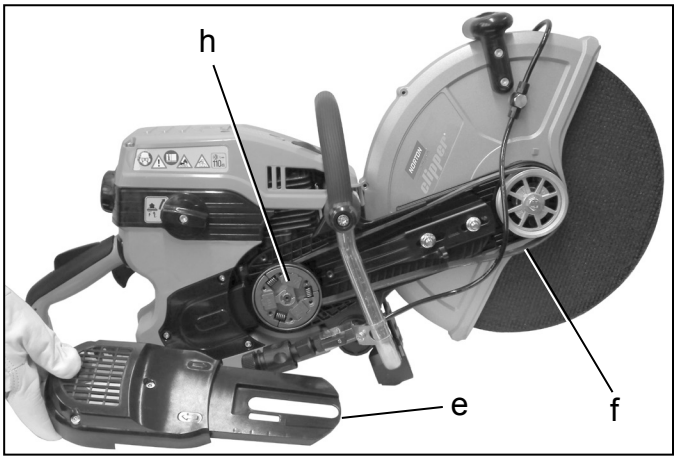
8.6 Changement de la courroie cannelée



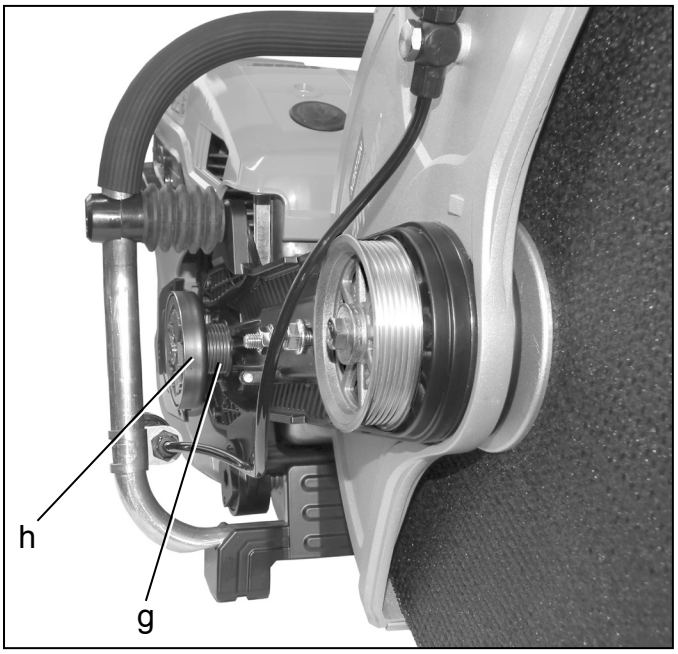
Risque de salissure pour la courroie cannelée, la construction porteuse correspondante et l'embrayage ! N'ouvrez l'habillage de la courroie cannelée et l'habillage de l'embrayage que dans un environnement propre.







- Arrêtez le moteur et tournez le bouton tournant d'arrêt sur « 0 ». ➔ Chap. 6.4, page 26
- Coupez l'alimentation d'eau vers l'appareil.
- Posez l'appareil à moteur sur un sol plat.
- Desserrez les deux écrous de fixation (a) de l'habillage de la courroie cannelée (14).
- Tournez la vis de serrage de la courroie cannelée (13) vers la gauche, c.-à-d. dans le sens contraire des aiguilles d'une montre pour réduire la tension de la courroie cannelée. Tournez jusqu'à ce que l'écrou 4 pans (b) soit déplacée aussi loin que possible vers le marquage « − » (c). Lors d'un montage du dispositif de coupe en position centrale (cf. illustration), l'écrou 4 pans se trouve alors tout à gauche, lors d'un montage en la position extérieure tout à droite.
- Dévissez complètement les deux vis de fixation (a).
- Enlevez l'habillage de la courroie cannelée (14).
- Revissez et serrez légèrement les écrous de fixation (a) de l'habillage de la courroie cannelée (14) sur les vis correspondantes, afin que le dispositif de coupe ne puisse pas tomber.
- Desserrez toutes les 3 vis de fixation (d) de l'habillage de l'embrayage (e).
  Les vis ne doivent être desserrées que jusqu'à ce qu'elles puissent être tournées facilement. Un dévissage complet des vis n'est pas nécessaire, puisque les vis doivent rester dans l'habillage.
- Positionnez le levier de la vanne (28) de l'alimentation d'eau parallèlement au raccord, afin qu'il ne gêne pas dans l'étape de travail suivante.
- Enlevez l'habillage de l'embrayage (e).
- Enlevez l'ancienne courroie cannelée (f) et/ou tous les restes de l'ancienne courroie cannelée et d'éventuels autres corps étrangers.
- Nettoyez maintenant la zone dégagée avec une petite brosse ou un pinceau.
- Placez la nouvelle courroie cannelée du coté de l'entrainement au dessus la l'embrayage sur la bande de roulement striée (g) derrière la cloche d'embrayage (h).





- Placez l'autre côté de la courroie cannelée côté sortie sur la bande de roulement striée (i) de l'appui de la courroie cannelée.
- Vérifiez que la courroie cannelée se déplace librement.
  Corrigez éventuellement la position de la courroie cannelée.
- Replacez l'habillage de l'embrayage et contrôlez si la courroie cannelée se déplace encore librement.
  Enlevez à nouveau si nécessaire l'habillage de l'embrayage et corrigez le positionnement de la courroie cannelée.
- Resserrez toutes les 3 vis de fixation (d) de l'habillage de l'embrayage (e).
- Vérifiez si la courroie cannelée se déplace toujours librement. Desserrez à nouveau si nécessaire les vis de l'habillage de l'embrayage et corrigez le positionnement de la courroie cannelée.
- Desserrez les deux écrous de fixation (a) de l'habillage de la courroie cannelée.
- Remettez l'habillage de la courroie cannelée (14).
- Serrez les deux écrous de fixation (a) de l'habillage de la courroie cannelée. Ne serrer les écrous qu'à la main de telle manière que la tension de la courroie cannelée puisse encore être ajustée.
- Tournez la vis de serrage de la courroie cannelée (13) vers la droite, c.-à-d. dans le sens des aiguilles d'une montre pour augmenter la tension de la courroie cannelée. La tension est correcte, si l'écrou 4 pans (b) est placé sur le marquage axial, c.-à-d. entre « + » et « − ».
- Serrez les deux écrous de fixation (a) de l'habillage de la courroie cannelée.
- Refermez le levier de la vanne de l'alimentation d'eau, c.-à-d. positionnez le levier de la vanne perpendiculairement au branchement d'eau.

8.7 Remplacement du filtre à carburant



Le remplacement du filtre à carburant dans le réservoir de carburant est à faire effectuer par un atelier spécialisé agréé par le fabricant, une fois par an à l'occasion de la révision.

8.8 Plan de maintenance



Les indications suivantes se réfèrent à des conditions d'exploitation normales.
Dans des conditions particulières, comme p. ex. un horaire de travail quotidien particulièrement long, les intervalles d'entretien indiqués doivent être raccourcis en conséquence.

Effectuez les travaux d'entretien régulièrement.
Chargez un atelier spécialisé agréé par le fabricant, si vous ne pouvez pas effectuer tous les travaux vous-même.

Le propriétaire de l'appareil à moteur est également responsable pour :

- Dommages dus à des travaux de réparation ou d'entretien non réalisés ou non réalisés dans les temps.
- Dommages induits – également la corrosion – lors d'un stockage inadéquat

		Une fois après 5 heures de service	Avant et après chaque utilisation	Hebdomadaire	Toutes les 50 heures de service	Toutes les 100 heures de service	En cas de besoin	Lors d'une mise en service après une mise hors service / annuellement
Ouvertures de refroidissement du boitier de démarreur	Nettoyage		X				X	
Carburateur ➔ Chap. 8.3, page 32	Vérification du ralenti		X					
	Réglage du ralenti (vis « T »)						X	
	Réglage du carburateur (vis « L » / « H ») (uniquement pour les ateliers spécialisés)						X	
Filtre à air ➔ Chap. 8.4, page 32	Vidage intermédiaire du filtre à air		X				X	
	Nettoyez soigneusement le filtre à air			X			X	
	Remplacer						X	
Filtre à tamis de la conduite d'alimentation en eau ➔ Chap. 8.2, page 31	Nettoyage			X			X	
Bougie ➔ Chap. 8.5, page 34	Vérifiez le siège ferme du câble d'allumage et de la cosse de la bougie		X				X	
	Vérifiez l'écart des électrodes et remplacez éventuellement la bougie				X			X
	Remplacer					X	X	
Toutes les vis accessibles (sauf les vis de réglage)	À resserrer	X					X	X
Éléments de commande (bouton/palpeur d'arrêt, levier de gaz, blocage du levier de gaz, démarreur)	Vérifiez les fonctionnalités		X					
L'ensemble de l'appareil à moteur	Contrôle visuel de l'état général • Vérifiez si le disque et le silencieux présentent des dommages. • Vérifiez l'étanchéité du bouchon du réservoir		X					
	• Vérifiez la tension de la courroie cannelée ➔ Chap. 5.6, page 21		X					
	Nettoyage			X			X	X

En outre, les prestations suivantes doivent être réalisées dans le cadre de la révision annuelle à faire par un atelier spécialisé agréé par le fabricant :

- Vérification complète de l'ensemble de l'appareil à moteur
- Nettoyage professionnel du moteur (réservoir de carburant, ailettes du cylindre, …)
- Vérification et échange éventuel des pièces d'usure, en particulier le remplacement annuel du filtre à carburant
- Réglage optimal du carburateur

8.9 Recommandation pour se dépanner

Dysfonctionnement possible : ➔ 

- Le moteur ne démarre pas
  - Bouton tournant d'arrêt
    - ➢ Positionnez le bouton tournant d'arrêt en position de marche « 1 » ... ➔ Chap. 6.1, page 25
  - Bougie
    - ➢ Nettoyer ou échanger ..... ➔ Chap. 8.5, page 34
  - Ancien carburant
    - ➢ Videz et nettoyez le réservoir, remettez du nouveau carburant ..... ➔ Chap. 5.5, page 19
- Le disque n'est pas entrainé correctement
  - Corps étranger dans le capot de protection
    - ➢ Nettoyage du capot de protection ..... ➔ Chap. 8.1, page 30
  - Tension de la courroie cannelée trop faible
    - ➢ Réglez correctement la tension de la courroie cannelée ..... ➔ Chap. 5.6, page 21
- Le disque tourne au ralenti
  - Vis de butée « T » du ralenti
    - ➢ Réglez correctement la vis de butée « T » du ralenti ..... ➔ Chap. 8.3, page 32
  - Embrayage défectueux
    - ➢ Atelier spécialisé pour service après-vente
- Mauvaise puissance du moteur
  - Filtre à air bouché
    - ➢ Nettoyez soigneusement le filtre à air ..... ➔ Chap. 8.4, page 32
  - Réglages du carburateur (réglages L/H)
    - ➢ Atelier spécialisé pour service après-vente
- Alimentation d'eau insuffisante et/ou pas d'alimentation lors d'une coupe humide
  - Le levier de la vanne de l'alimentation d'eau n'est pas ouvert
    - ➢ Ouvrez le levier de la vanne ..... ➔ Chap. 5.7, page 21
  - Le branchement de l'alimentation d'eau est fermé
    - ➢ Ouvrir le branchement d'eau
  - Le réservoir sous pression de l'alimentation en eau est vide ou sans pression
    - ➢ Rajoutez de l'eau et/ou rétablissez l'alimentation en pression
  - Cartouche filtrante du filtre à tamis sale
    - ➢ Nettoyez soigneusement le filtre à air ..... ➔ Chap. 8.2, page 31
- Développement sonore modifié et le moteur n'atteins pas les régimes élevés (uniquement pour les modèles CP512-300i et CP514-350i)
  - Pas assez d'huile dans le réservoir
    - ➢ Rajoutez de l'huile de moteur ..... ➔ Chap. 5.5, page 19

8.10 Mise hors service et conservation

Avant la mise hors service et le stockage l'appareil à moteur doit être nettoyé en profondeur et vérifié pour détecter les dégâts.
Nettoyage et soins : ➔ Chap. 8.1, page 30

Ne stockez l'appareil à moteur que dans des locaux secs. Il ne doit pas y avoir de feu ouvert ou similaire à proximité. Excluez une utilisation non autorisée – en particulier par des enfants.

Avant un long stockage (> 4 semaines) les réservoirs de combustibles doivent en plus être vidés et nettoyés à un endroit bien aérée. Démarrez le moteur avec le réservoir d'essence vide et videz le carburateur jusqu'à ce que le moteur s'arrête. Les restes d'huile du mélange de carburant pourraient d'ailleurs boucher les gicleurs du carburateur et compliquer un démarrage ultérieur.

9 Déclaration relative à la garantie du dispositif antipollution

9.1 Vos droits et obligations relatifs à la garantie

L'EPA (l'Environmental Protection Agency des É.-U.) et Saint-Gobain Abrasives, Inc. sont heureux d'expliquer la garantie du dispositif antipollution se trouvant sur votre petit moteur non routier de 2013 ou plus récent. Aux États-Unis, tous les nouveaux petits moteurs non routiers doivent être conçus, construits et équipés, en date de leur vente, de manière à respecter les réglementations de l'EPA relatives aux petits moteurs non routiers. Le moteur doit être exempt de défauts de matériaux et de fabrication qui pourraient entraîner une non-conformité aux réglementations et normes de l'EPA des É.-U. pendant les deux (2) premières années d'utilisation après sa date de vente au dernier acheteur. Saint-Gobain Abrasives, Inc. doit garantir le dispositif antipollution de votre petit moteur non routier pendant la période sousmentionnée, à condition que ce moteur n'ait subi ni mauvais traitement, ni négligence, ni entretien incorrect.
Le dispositif antipollution comprend des pièces telles que le carburateur et le système d'allumage. La garantie relative aux émissions peut aussi inclure les tuyaux flexibles, les raccords et d'autres composants liés aux émissions. En cas d'état entrant dans le cadre de la garantie, Saint-Gobain Abrasives, Inc. réparera gratuitement votre petit moteur non routier. Les frais couverts par la garantie comprennent le diagnostic, les pièces et la main-d'œuvre.

9.2 Couverture de garantie du fabricant

Les petits moteurs non routiers de 2013 et plus récents sont garantis pendant deux (2) ans.
S'il s'avère qu'une pièce de votre moteur liée aux émissions (tel que susmentionné) est défectueuse, elle sera réparée ou remplacée gratuitement par Saint-Gobain Abrasives, Inc.

9.3 Garantie et responsabilités du propriétaire

En tant que propriétaire d'un petit moteur non routier, vous êtes tenu(e) d'effectuer l'entretien requis indiqué dans votre manuel d'utilisation. Saint-Gobain Abrasives, Inc. recommande que vous conserviez tous les reçus résultant de l'entretien de votre petit moteur non routier mais Saint-Gobain Abrasives, Inc. ne peut refuser la couverture de garantie seulement à cause de l'absence de reçus ou du fait que vous n'avez pas effectué tout l'entretien programmé. En tant que propriétaire de petit moteur non routier, vous devriez cependant savoir que Saint-Gobain Abrasives, Inc. peut refuser la couverture de garantie si votre petit moteur non routier ou l'une de ses pièces a eu une défaillance suite à un mauvais traitement, une négligence, un entretien incorrect, des modifications non autorisées ou l'utilisation de pièces soit non fabriquées soit non approuvées par le fabricant de l'équipement d'origine. Il vous appartient de présenter votre petit moteur non routier à un concessionnaire d'entretien autorisé par Saint-Gobain Abrasives, Inc. dès qu'un problème apparaît. Les réparations sous garantie doivent être effectuées dans un délai raisonnable, ne devant pas excéder 30 jours.
Si vous avez des questions concernant vos droits et responsabilités relatifs à la garantie, contactez le concessionnaire d'entretien autorisé le plus proche ou téléphonez à Saint-Gobain Abrasives, Inc., au 1-800-554-8003 ou consultez www.nortonconstructionproducts.com.

9.4 Couverture de Saint-Gobain Abrasives, Inc.

Saint-Gobain Abrasives, Inc. garantit à l'acheteur final et à chaque acheteur suivant que le moteur d'équipement non routier est conçu, construit et équipé en date de la vente pour être conforme à toutes les réglementations et normes applicables aux émissions de l'EPA des États-Unis. Saint-Gobain Abrasives, Inc. garantit aussi à l'acheteur final et à chaque acheteur suivant que le moteur est exempt de défauts de matériaux, de conception et de fabrication qui pourraient entraîner la non-conformité du moteur aux réglementations applicables aux émissions de l'EPA des É.-U. pendant une période de deux (2) ans.

9.5 Période de la garantie

Si l'un des composants de votre moteur lié aux émissions s'avère défectueux durant la période de garantie contre les émissions, Saint-Gobain Abrasives, Inc. remplacera gratuitement ce composant. La période de garantie commence à la date de livraison du petit moteur non routier. Toute pièce garantie qu'il n'est pas prévu de remplacer lors de l'entretien requis ou qui ne fait l'objet que d'une inspection régulière selon l'indication de « réparer ou remplacer selon le besoin » sera garantie pendant deux (2) ans. Toute pièce garantie qu'il est prévu de remplacer lors de l'entretien requis sera garantie jusqu'au premier remplacement programmé pour cette pièce.

9.6 Durée de la couverture

Saint-Gobain Abrasives, Inc. garantit au propriétaire initial et à chaque acheteur suivant que le moteur est exempt de défauts de matériaux et de fabrication qui pourraient provoquer la défaillance d'une pièce garantie pendant une période de deux (2) ans.

9.7 Ce qui est couvert

La réparation ou le remplacement de toute pièce garantie liée aux émissions sera effectué(e) gratuitement chez un concessionnaire d'entretien approuvé par Saint-Gobain Abrasives, Inc. Si vous avez des questions concernant vos droits et responsabilités dans le cadre de la garantie, contactez le concessionnaire d'entretien autorisé le plus proche ou encore téléphonez à Saint-Gobain Abrasives, Inc., au 1-800-554-8003 ou consultez www.nortonconstructionproducts.com.

Veuillez trouver ci-dessous la liste des pièces couvertes par la garantie contre les défauts des composants liés aux émissions. Certaines des pièces ci-dessous peuvent nécessiter un entretien programmé et sont garanties jusqu'au premier remplacement prévu.

- Système de dosage de carburant
  - Carburateur et pièces internes
  - Filtre à carburant, le cas échéant
  - Butée de papillon, le cas échéant
  - Système de starter, le cas échéant
- Système d'admission d'air
  - Plaque d'épurateur d'air, filtre à air
  - Boîtier d'épurateur d'air, collecteur d'admission
- Système d'allumage
  - Bougies
  - Magnéto de volant moteur
  - Bobine d'allumage
- Divers articles utilisés dans les systèmes ci-dessus
  - Tuyaux flexibles de carburant
  - Colliers et joints d'étanchéité

9.8 Diagnostic

Le propriétaire ne sera pas facturé pour le travail de diagnostic permettant de déterminer qu'une pièce garantie est défectueuse, si ce travail de diagnostic est effectué chez un concessionnaire d'entretien approuvé par Saint-Gobain Abrasives, Inc. Cependant, si une réclamation est déposée dans le cadre de la garantie et s'il s'avère que le moteur est testé et reconnu non défectueux, Saint-Gobain Abrasives, Inc. facturera le propriétaire pour le coût du test d'émissions. Le diagnostic mécanique sera effectué chez un concessionnaire d'entretien autorisé par Saint-Gobain Abrasives, Inc. Le test d'émissions peut être effectué chez Saint-Gobain Abrasives, Inc. ou dans n'importe quel laboratoire de tests d'émissions indépendant.

9.9 Dommages consécutifs

Saint-Gobain Abrasives, Inc. peut être tenu responsable de dommages survenus à d'autres composants du moteur provoqués par la défaillance d'une pièce garantie se trouvant encore sous garantie.

9.10 Limitations

Toute défaillance causée par un mauvais traitement, un entretien incorrect ou une négligence n'est pas couverte. Les réparations ou les remplacements non conformes aux spécifications de Saint-Gobain Abrasives, Inc. qui affectent la performance ou la durabilité ou d'autres modifications non approuvées par écrit par Saint-Gobain Abrasives, Inc. Saint-Gobain Abrasives, Inc. n'est pas tenu responsable de défaillances de composants garantis liées aux émissions causées par l'utilisation de pièces ajoutées ou modifiées.

9.11 Comment déposer une réclamation

Apportez le produit à n'importe quel établissement d'entretien autorisé par Saint-Gobain Abrasives, Inc. avec sa preuve d'achat. Si vous avez des questions sur la manière de déposer une réclamation au titre de la garantie relative aux émissions ou sur vos droits, contactez le concessionnaire d'entretien autorisé le plus proche ou encore téléphonez à Saint-Gobain Abrasives, Inc., au 1-800-554-8003 ou consultez www.nortonconstructionproducts.com.

9.12 Déclaration concernant l'entretien

Le propriétaire de ce produit est tenu responsable de tout l'entretien requis tel qu'indiqué dans le manuel d'utilisation.

Manual de instrucciones de la tronzadora de muela CP512-300 / CP514-350 // CP512-300i / CP514-350i

Estimado cliente:

Muchas gracias por haber elegido este producto de calidad de nuestra empresa.

Hace ya muchas décadas que somos fabricantes de equipos motorizados a gasolina que pueden operarse en forma manual y cargarse en la espalda. Cada uno de nuestros motores cuenta con los beneficios de nuestra experiencia.

Materiales modernos de producción en combinación con nuestra experiencia tecnológica garantizan una alta durabilidad y un gran valor útil de la máquina.

Los equipos motorizados de esta serie de modelos son tronzadoras de muela de una calidad de producción alemana especialmente alta, concebidas específicamente para las altas exigencias de la aplicación profesional. Un motor nuevo de alta potencia de dos tiempos, con un cilindro vertical con capa de nikasil y la acreditada tecnología de cuatro canales para un rendimiento excelente, con bajo consumo de combustible y el más reciente control de emisiones, garantizan un alto valor útil de la máquina.

Encendido electrónico exento de mantenimiento,
sistema antivibración que no afecta a la salud,
sistema de aspiración patentado Twin-Pipe,
sistema de vibración para el vaciado fácil del filtro de aire durante el trabajo,
suministro de agua utilizable opcionalmente con el suministro de disco de corte de la rueda con el fin de reducir el polvo durante el trabajo,
soluciones inteligentes con el varillaje del acelerador electrónico para el arranque fácil y
diseño ergonómico y extremadamente compacto
son responsables de un confort de manejo especialmente bueno y de un trabajo ampliamente libre de cansancio.

El equipo de seguridad es de última generación y cumple con todas las normas nacionales e internacionales de seguridad. Incluye, entre otros:

- Botón de parada One-Touch
- Bloqueo de la palanca aceleradora
- Limitador electrónico de velocidad
- Dispositivo de protección del disco de corte
- Dispositivo para detener el motor para mantenimiento



Le recomendamos que lea detenidamente el manual de uso y especialmente las normas de seguridad antes de comenzar a utilizar su unidad.
Si tras leer estas instrucciones de uso tiene preguntas, su distribuidor estará encantado de atender cualquier consulta que tenga.



Para mantener el rendimiento del dispositivo motorizado, es necesario seguir las instrucciones de mantenimiento.

Embalaje y eliminación de residuos

Guarde el embalaje original como protección contra daños de transporte o si tuviera que ser enviado o transportado. Si no se necesita el material de embalaje, este debe ser desechado según las correspondientes regulaciones locales. Los materiales de embalaje de cartón son materias primas y por lo tanto reutilizables o reciclables.
Una vez transcurrido el estado de funcionamiento, el aparato debe ser desechado según las correspondientes regulaciones locales.

Patentes

Patentes otorgadas:

- PCT/EP2011067574 (Lubricación automática)
- US20120152200 (Airbox)
- US20100206278
- US20100000846
- US20090007435
- EP2011594
- EP2011991
- EP2011992

Marcas registradas y marcas comerciales

Norton Clipper® es una marca registrada de Saint-Gobain Abrasives.
El resto de productos y nombres de compañías mencionados en este manual de instrucciones pueden ser marcas comerciales o marcas registradas de la producción respectiva. El uso de estos nombres por parte de terceros para sus propios fines puede violar los derechos de los fabricantes. La ausencia del signo ® o ™ no significa que el nombre es de marca libre.

Sujeto a modificaciones

En interés del desarrollo continuo de los dispositivos motorizados, se reservan todos los derechos referentes al material incluido en el volumen de suministro en cuanto al tipo, tecnología y equipamiento. De las instrucciones y las imágenes incluidas en este manual no se deriva ningún derecho a reclamación.

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1 Referente a este manual de instrucciones

Este manual es una parte indispensable del dispositivo motorizado.



Contiene información importante e instrucciones sobre el uso del dispositivo motorizado. El cumplimiento de todas la especificaciones de seguridad y las instrucciones de manejo son un requisito previo para trabajar de forma segura con el dispositivo motorizado.



Este manual de instrucciones, tiene que estar siempre disponible en el lugar de uso del aparato motorizado y debe ser leído por todas las personas que estén encargadas de trabajar con el aparato y alrededor del mismo (también para tareas de mantenimiento, conservación y reparación).

Estas instrucciones solo se deben utilizar como un manual de instrucciones del dispositivo motorizado CP512-300 / CP514-350 // CP512 300i / CP514 350i. Cualquier uso de los contenidos (texto e ilustraciones gráficas) - incluso parcial - sin el consentimiento previo y por escrito del fabricante está prohibido y podría dar origen a procesos legales.

1.1 Métodos de representación de este manual de instrucciones

Textos resaltados

Xxxxx — El texto subrayado indica los subtítulos.

Xxxxx — El texto en cursiva indica consejos e información para facilitar al usuario el manejo con el dispositivo motorizado.

1 Xxxxx — El texto destacado en negro y numerado, indica los títulos de los capítulos principales.

1.1 Xxxx — El texto destacado en gris y numerado, indica los títulos de los sub-capítulos.

Xxxxxxx — Los marcos indican secciones especialmente destacadas.

Estructura

El manual está dividido en capítulos principales y sub-capítulos numerados. El índice de la página 3 muestra un resumen de la estructura.

Encabezado

Para ayudar a los usuarios a encontrar rápidamente los capítulos individuales, el encabezado contiene el capítulo principal al que se corresponde el contenido de cada página.

Representaciones gráficas

Algunos gráficos de este manual son representaciones esquemáticas y diagramas esquemáticos, y probablemente no sean modelos exactos. Sin embargo, el contenido es vinculante en todos los casos.

2 Símbolos de aviso, instrucciones e indicaciones

Importante: Si uno o más símbolos en estas instrucciones están centrados y directamente debajo de un título del capítulo, la referencia se aplica a todo el capítulo.

Símbolos de aviso, instrucciones e indicaciones utilizados en este manual de instrucciones y en el dispositivo motorizado:



¡Peligro! El incumplimiento de las instrucciones puede causar accidentes con lesiones fatales.



¡Cuidado! El incumplimiento de estas instrucciones puede provocar daños del dispositivo motorizado u otros daños.



Leer detenidamente el manual de instrucciones. Es válido generalmente antes de la puesta en funcionamiento y de cualquier trabajo de mantenimiento, montaje y limpieza.


Usar el vestuario especificado. ➔ Cap. 3.3, página 8


Usar calzado de seguridad con suela antideslizante.


Usar guantes de protección.
Se aplica a todos los trabajos en el dispositivo motorizado o con el mismo.


Antes de arrancar el motor, ponerse el casco de seguridad, protección auditiva, protección facial y gafas de seguridad.



¡Parar el motor!


¡Está prohibido fumar en las proximidades del dispositivo motorizado y en el lugar de repostaje!


Mantener el dispositivo motorizado y el depósito de llenado de combustible lejos de las llamas.


Atención: ¡Peligro de intoxicación!
– El dispositivo motorizado produce emisiones.
– El vapor de la gasolina es tóxico.
– Producción de emisiones de polvo peligrosas durante el trabajo.


Atención: ¡Rebote (Kickback)!
¡Es imprescindible tener en cuenta las indicaciones en el cap. 7.2 a partir de la página 28!


Atención: Fuego causado por las chispas.


Usar equipo de protección respiratoria.


No utilice hojas de sierra circular.


Nunca trabaje con las hojas dañadas.



Utilice solo hojas de sierra, aprobadas para una velocidad de ≥ 4.550 min^{-1} [4.550 RPM].

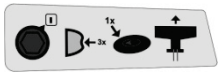

Botón giratorio para vaciado intermedio del filtro de aire. ➔ Cap. 8.4, página 33



iLube® = Intelligent Lubrication
(lubricación inteligente, sólo en los modelos CP512-300i y CP514-350i)


Depósito de combustible ➔ Cap. 5.5, página 19


iLube® = Intelligent Lubrication (tapa verde, sólo en los modelos CP512-300i y CP514-350i)
➔ Cap. 5.5, página 19



Indicaciones de inicio ➔ Cap. 6, página 25

3 Instrucciones de seguridad

3.1 Utilización para los fines previstos



Este dispositivo debe ser utilizado solamente para corte de metales (sección caliente) y materias minerales, tales como hormigón (corte en frío). Utilice solamente las cuchillas aprobadas para este material indicado en la página 27, especificada en el capítulo 7, sobre situaciones de trabajo.
Para usuarios especialmente capacitados en operaciones de rescate, también se ofrecerán otros discos de corte aprobados, con los que se pueden cortar diversos materiales compuestos. Estas aplicaciones especiales solo deben llevarse a cabo por usuarios especialmente capacitados.
Este dispositivo motorizado solo debe utilizarse al aire libre.

Está prohibido el uso de este dispositivo motorizado para otros fines, tales como cortar madera y eliminar molienda de un material con la superficie lateral de la cuchilla.
En el dispositivo motorizado no deben instalarse herramientas de corte no autorizadas, tales como hojas de sierra o cuchillas.

3.2 Indicaciones generales de seguridad



Antes de usar el dispositivo por primera vez, lea cuidadosamente estas instrucciones de funcionamiento y conserve el manual en un lugar seguro y accesible. Tiene que estar siempre disponible en el lugar de actuación del aparato motorizado y debe ser leído por todas las personas que estén encargadas de trabajar con el aparato y alrededor del mismo (también para tareas de mantenimiento, conservación y reparación).

Utilice este dispositivo motorizado con precaución. El uso irresponsable e inadecuado del dispositivo motorizado puede dar origen a lesiones graves o mortales. Los riesgos asociados al uso del dispositivo se deben, en particular, a la alta velocidad del disco de corte y las grandes fuerzas y pares de torsión que puede movilizar el mismo.

Trabajar con el dispositivo motorizado siempre con el máximo cuidado y atención a todos los posibles peligros y riesgos que puedan ocurrir. Antes de comenzar el trabajo, debe llevarse a cabo una minuciosa evaluación del riesgo. No realice nunca un procedimiento de trabajo para el que no haya sido formado. Si tras leer estas instrucciones de uso tiene preguntas, su distribuidor estará encantado de atender cualquier consulta que tenga.

El sistema de encendido de este dispositivo motorizado genera, durante el funcionamiento, un campo electromagnético. Este campo puede, en determinadas circunstancias, interferir en el funcionamiento de los marcapasos. Las personas con marcapasos deben consultar a su médico y el fabricante del marcapasos antes de utilizar este dispositivo motorizado.

Información general sobre vibraciones: Los siguientes síntomas pueden producirse por condicionamiento personal especial por vibraciones frecuentes en los dedos, manos o muñecas: Adormecimiento de partes del cuerpo, cosquilleos, dolor, pinchazos, cambios en el color de la piel o en la misma piel. Si aparecen estos síntomas, consulte a un médico.

Puede ser potencialmente mortal hacer caso omiso a las instrucciones de seguridad.
Siga todas las normas ANSI y OSHA.

- En caso de un posible accidente, debe haber siempre un botiquín de primeros auxilios en el lugar de trabajo. Reponga inmediatamente el material empleado.
- ¡Peligro de fuego causado por las chispas! Cuando se trabaja cerca de objetos inflamables y vegetación debe proporcionarse un extintor de incendios.
- Si esta es la primera vez que utiliza este tipo de dispositivo, solicite a un especialista que le aclare y enseñe cómo funciona de manera segura. Para asegurar el funcionamiento seguro del dispositivo motorizado, la entidad explotadora es responsable de asegurar que las personas que trabajan para ella sean usuarios capacitados de dispositivos motorizados manuales y portátiles, operados a gasolina y que están capacitadas para trabajar con este tipo de dispositivo.

- Los niños y adolescentes menores de 18 años no podrán trabajar con este dispositivo motorizado.
- El dispositivo debe ser operado por una persona incluso cuando se inicia. Mantenga alejadas del área de trabajo a personas y animales. Detenga inmediatamente la máquina y la herramienta de corte si se acerca una persona o un animal. El usuario es responsable de las lesiones personales y daños a la propiedad causados por él.
- Este dispositivo motorizado solo debe ser utilizado por personas que estén familiarizadas con este tipo de máquinas, su funcionamiento y las instrucciones de uso. Nunca preste este dispositivo a personal no cualificado. Entrégueles también el presente manual.
- Trabaje con este dispositivo motorizado solamente si está en buena forma, descansado y goza de buena salud.
- No está permitido el uso de este dispositivo motorizado, bajo la influencia del alcohol, drogas o medicamentos que puedan afectar la capacidad de reaccionar.
- No utilice el dispositivo motorizado si está cansado o agotado. El cansancio y la fatiga pueden afectar la capacidad de respuesta. Si al utilizar el dispositivo motorizado se siente cansado o agotado, haga una pausa. El trabajo con el dispositivo motorizado puede ser agotador. Si usted tiene una condición de salud que pueda verse agravada por la fatiga, consulte a su médico antes de empezar a trabajar con el dispositivo motorizado.
- Si se procesan materiales que pudieran incluir amianto u otras sustancias tóxicas, es necesario informar a la autoridad competente. El trabajo debe llevarse a cabo solo después de la aprobación y solo bajo supervisión y con las medidas de seguridad necesarias. El amianto, material que contiene asbesto, y cualquier otra sustancia clasificada como material peligroso no se puede cortar o rascar con el dispositivo motorizado.
- ¡Asegúrese que en el área que se va a cortar no hay peligros ocultos, tales como cables eléctricos, tuberías de agua o gas, o sustancias inflamables!
- Para el corte de pilares de hormigón pretensado y armado, deben observarse todas las instrucciones y normas establecidas por las autoridades respectivas o fabricantes del componente. El corte del acero de refuerzo debe hacerse en el orden correcto y teniendo en cuenta las normas de seguridad pertinentes.
- No modifique el equipo de seguridad y elementos de mando.
- ¡Peligro de accidente! ¡El dispositivo motorizado puede ser utilizado solo en condiciones seguras de funcionamiento! Debe comprobarse el dispositivo motorizado antes de cada uso.
- Utilice solamente accesorios y componentes que están provistos y aprobados por el fabricante específicamente para el uso en este dispositivo motorizado. Para este dispositivo motorizado solo pueden utilizarse discos de corte aprobados.
- El funcionamiento fiable y la seguridad del dispositivo motorizado también dependerá de la calidad de las piezas de repuesto. Usar solo piezas de recambio originales. Las piezas originales son las únicas que tienen la misma procedencia que el equipo, por lo que garantizan una calidad máxima en lo que al material, dimensiones, funcionalidad y seguridad se refiere. Las piezas de repuesto y los accesorios originales se encuentran disponibles de mano de su distribuidor autorizado. Este cuenta también con las listas de piezas que se necesitan para averiguar los números de referencia, y está permanentemente informado sobre cualquier mejora y otras novedades relacionadas con las piezas de repuesto. Téngase también en cuenta que si se han utilizado piezas que no son originales, no se podrá reclamar en concepto de garantía.
- Si el dispositivo motorizado no se utiliza, debe desconectarse de manera segura para que nadie esté en peligro. Debe apagarse el motor. ¡No dejar nunca que el dispositivo motorizado funcione sin vigilancia!

Si alguien no respeta las indicaciones de seguridad, el manejo o el mantenimiento, tendrá que responder los daños y perjuicios, incluso los secuenciales, que de ello resulten.

3.3 Ropa de trabajo obligatoria / Equipo de protección personal



Para evitar lesiones, debe usarse ropa adecuada y equipo de protección.



La vestimenta tendrá que ser práctica o ceñida (p. ej. overol de trabajo), y también cómoda.
Para la realización de cualquier trabajo, usar overol de material sólido con suficiente resistencia al fuego, que no se encienda por chispas (materiales hechos de cuero, tratamiento ignífugo de algodón o lino pesado, muy unida).

Revise los datos de la ropa y asegúrese de que no haya materiales fácilmente inflamables y materiales de bajo punto de fusión como el poliéster o nylon en la ropa. La ropa de trabajo no debe estar contaminada con sustancias inflamables, como gasolina o similares.
No use pañuelos, corbatas, joyas o ropa de otro tipo que puedan quedar atrapados en la hoja, a los objetos en el entorno o en el dispositivo motorizado. Atar el pelo largo y recogerlo bajo el casco.



Use un casco de seguridad para realizar todos los trabajos.
Utilice una protección auditiva personal.
Es obligatorio el uso de protección para el rosto y los ojos según ANSI Z 87.1.



Use botas gruesas de seguridad con puntera de acero y suela antideslizante.

Use un delantal protector.



Use guantes de protección con superficie antideslizante de agarre.



Si el suministro de agua del dispositivo motorizado no está en uso, las personas que se encuentran cerca del dispositivo y el usuario deben usar siempre un equipo de protección respiratoria aprobada por NIOSH/MSHA para protección contra el polvo fino, polvo, vapores y humo del material a cortar.

3.4 Repostar combustible



La gasolina es altamente inflamable. Mantener alejado del fuego o derrame de combustible. ¡No fume en el lugar trabajo y en el sitio de repostaje de combustible!

- Antes del repostaje de combustible parar el motor.
- ¡Peligro de incendio! ¡Cuando el motor está caliente, no se puede repostar!
- Abra la tapa de llenado siempre con cuidado para permitir que cualquier exceso de presión se libere lentamente y no salga combustible.
- Use ropa protectora y protección de ojos y cara para evitar el contacto de los ojos y de la piel con los productos derivados del petróleo. En caso de contacto con los ojos, enjuáguelos inmediatamente con abundante agua limpia. ¡Si la irritación persiste, llame a un médico!
- Cambie con frecuencia la ropa de protección y lávela.
- No inhalar los vapores de combustible.
- Llene el depósito en una zona bien ventilada.
- Asegúrese de que no cae combustible o aceite en el suelo (protección del medio ambiente). Utilice una base protectora impermeable adecuada cuando reposte.
- Si se derrama combustible, el motor debe ser limpiado inmediatamente. Quitarse inmediatamente la ropa y zapatos contaminados y ponerse ropa protectora limpia.
- Las tapas del tanque están siempre firmemente cerradas con la mano sin necesidad de herramientas. Las tapas del tanque están equipadas con una protección anti-rotación y deben girarse hasta el "salto" distinto. Los tapones de llenado no deben aflojarse debido a la vibración del motor.
- ¡Peligro de quemaduras! Asegúrese de que no haya fugas. No inicie ni opere el dispositivo si sale combustible.
- El combustible y aceite deben almacenarse en recipientes adecuados y etiquetados correctamente.

3.5 Durante el transporte



- Antes de usar el dispositivo motorizado (incluso en distancias cortas de un lugar de trabajo a otro) apague siempre el motor y espere a que el disco de corte se detenga. Transportar el dispositivo motorizado por el mango y el disco de corte apuntando hacia atrás.
- ¡Peligro de quemaduras! No tocar el silenciador caliente.
- Nunca transporte el dispositivo motorizado con el disco de corte en movimiento.
- Con el fin de evitar fugas de combustible y aceite, así como evitar daños, el dispositivo motorizado debe estar protegido contra el vuelco durante el transporte en vehículos. Los depósitos de combustible y aceite deben ser verificados respecto a estanqueidad.
  Recomendación: Vaciar el depósito antes del transporte.
- Los tanques son vaciados antes de ser enviados.
- La tronzadora debe ser desmontada antes del envío.

Recomendación: Guarde el embalaje original como protección contra daños de transporte o para el caso que deba ser enviado o transportado.

3.6 Durante el montaje, la limpieza, el mantenimiento y la reparación



- El dispositivo motorizado no puede ser instalado, mantenido, reparado o almacenado cerca del fuego.
- Antes de la instalación, limpieza, mantenimiento y reparación debe detenerse siempre el motor, el interruptor giratorio debe estar ajustado a "0" y el disco de corte debe estar parado.
  Solo el ajuste de la velocidad de ralentí se lleva a cabo con el motor en marcha.
- Use guantes durante todo el trabajo.
- El mantenimiento del dispositivo motorizado debe realizarse con frecuencia. Realice usted mismo los trabajos de mantenimiento y reparación que estén descritos en este manual de instrucciones. Todos los demás trabajos deben ser realizados por un taller especializado autorizado por el fabricante.
- ¡Peligro de quemaduras! No toque el silenciador mientras esté caliente – ni siquiera para el mantenimiento y la inspección de estanqueidad.
- Para todas las reparaciones, utilice solamente piezas de repuesto originales.
- ¡Peligro de accidentes y lesiones! ¡El dispositivo motorizado no puede ser modificado, ya que de esta forma la seguridad se ve comprometida!

3.7 Antes del arranque



Antes de cada arranque compruebe que el dispositivo motorizado es seguro para la operación. Además de las instrucciones de operación y mantenimiento (➔ cap. 8, página 31) deben verificarse los siguientes puntos:

- El interruptor de parada giratorio y el interruptor de parada debe ser de fácil manejo.
- El acelerador debe de ser de fácil manejo y volver automáticamente a la posición de ralentí. Sin presionar (desbloquear) el bloqueo del acelerador no es posible operar la palanca del acelerador (el acelerador está bloqueado).
- El disco de corte debe estar firmemente pegado en el eje.
- ¡Peligro de incendio! El cable y el enchufe de ignición deben de estar firmemente conectados. ¡Una conexión suelta puede generar chispas capaces de inflamar una posible fuga de una mezcla entre combustible y aire!

- En caso de irregularidades, daños visibles, ajustes incorrectos o alteraciones en la función de la herramienta eléctrica no se puede iniciar. En estos casos, el dispositivo motorizado debe de ser revisado por un taller especializado autorizado por el fabricante.

3.8 Al arrancar



- ¡El dispositivo motorizado puede ser utilizado solo cuando esté completo!
- Al arrancar mantenga por lo menos 3 metros [aprox. 10 feet] de distancia desde la ubicación del lugar de repuesto. Nunca arranque el aparato motorizado en espacios cerrados.
- Asegúrese de que el suelo es sólido al arrancar. Arrancar siempre sobre una superficie llana y sujetar el aparato motorizado con seguridad.
- Realice el procedimiento de arranque según se describe en el cap. 6, en la página 25.
- Después del arranque compruebe el ajuste de marcha en vacío. En ralentí tienen que estar los discos de corte parados.

3.9 Durante el trabajo



Además de las precauciones de seguridad siguientes, se aplican también, cuando se trabaja con equipos de seguridad, las siguientes especificaciones:

- ¡Peligro de intoxicación! Una vez que el motor esté en marcha, el dispositivo motorizado genera gases tóxicos que pueden ser invisibles e inodoros. Nunca arranque el aparato motorizado en espacios cerrados. El riesgo específico ocurre también en lugares cerrados, en fosas o trincheras. Usar solo si está absolutamente seguro de que hay suficiente renovación del aire y no hay gases tóxicos que se puedan acumular.
- ¡Aumento del riesgo de incendio! No fume en el lugar de trabajo – ni siquiera en las inmediaciones del dispositivo motorizado
- Asegure el lugar de trabajo contra la intrusión accidental de personas ajenas, por ejemplo con señales de advertencia. Solamente las personas involucradas y que usen equipo de protección y ropa adecuados deben estar presentes a menos de 30 metros [aprox. 30 yards] de todo el área de trabajo.
- Explore los peligros potenciales en el lugar de uso.
  - A causa de las chispas que saltan cuando se corta, nunca debe ser usado en las proximidades de gases explosivos o líquidos y objetos inflamables.
  - En la zona de corte, no debe haber cables eléctricos, tuberías de agua o gas o sustancias inflamables.
  - Los objetos que se puedan caer o volcar durante el trabajo deben ser asegurados o quitados del entorno de trabajo.
  - Preparar el lugar de trabajo, para garantizar un retorno seguro y fácil.
- La pieza a cortar debe estar libre de objetos extraños, tales como tornillos, clavos o piedras.
- Cuando se trabaja en áreas residenciales, tener en cuenta las normas de ruido.

- Trabaje con mucho cuidado, en silencio y no ponga en peligro a otras personas.
  - Asegurar buena visibilidad y condiciones de luz.
  - Nunca estar fuera del alcance del oído de otras personas que puedan proporcionar ayuda en una emergencia.
  - Realizar pausas regularmente.
  - Sea consciente de los riesgos potenciales y tome las precauciones adecuadas. Tener en cuenta que con el uso de protección auditiva, la percepción de los sonidos es limitada. También pueden no escucharse señales sonoras de peligro, llamadas, etc.
  - Esté atento a los peligros de tropiezos y obstáculos. No trabajar nunca sobre superficies inestables.
  - Sujete siempre el motor firmemente con ambas manos y asegúrese de que tiene un punto de apoyo seguro.
  - Nunca use el dispositivo en una escalera.
  - Usar el dispositivo motorizado de modo que no haya partes del cuerpo en la trayectoria ampliada de la cuchilla.
  - Nunca sujete la pieza a cortar con la mano.
  - Ponga la tronzadora en funcionamiento en contacto con la pieza a procesar.
    Nunca tocar el suelo u otros objetos con la tronzadora cuando esta esté en funcionamiento.
  - No utilice dispositivo motorizado para tirar o sacar objetos.
- Apague el motor cuando el comportamiento del mismo cambia la unidad de manera significativa.
- ¡Peligro de quemaduras! No toque el silenciador mientras esté caliente.
  ¡Peligro de incendio! El silenciador irradia un enorme calor. No depositar el aparato motorizado caliente sobre hierba seca o sobre objetos inflamables.
- ¡Riesgo de daño auditivo y quemaduras!
  Nunca trabaje con un silenciador defectuoso o sin silenciador.

3.10 Emisión de polvo



Si es necesario procesar metales o materiales minerales, tales como piedra, ladrillo, hormigón o cerámica, con el dispositivo motorizado se pueden producir partículas finas, polvo, vapores y humo que contienen sustancias nocivas. Estas sustancias pueden causar enfermedades graves e incluso mortales, tales como enfermedades respiratorias, cáncer, daños al sistema reproductivo y genético (malformaciones en la descendencia).

Algunos estados, como California, han creado una lista de sustancias que, es sabido, causan cáncer, daños al sistema reproductivo u otros daños.

- Si el riesgo asociado al uso y composición del dispositivo motorizado o el material a ser procesado no puede ser evaluado, infórmese sobre las sustancias nocivas en las fichas de seguridad específicas del material, pregunte a la entidad explotadora, fabricantes y/o proveedores de materiales, agencias gubernamentales, como por ejemplo OSHA y NIOSH y tenga en cuenta todas las advertencias, precauciones e instrucciones para un uso seguro y eficaz del material a cortar.
- Si es posible, evitar la formación de partículas finas, polvo, vapores y humo mediante una conducta laboral adecuada y las técnicas de trabajo apropiadas y seguir las recomendaciones del fabricante/proveedor, de OSHA/NIOSH y las asociaciones profesionales y técnicas.
  Si es posible que el corte se procese en mojado, se debe usar agua para controlar el polvo.
- Si el riesgo de inhalación de partículas finas, polvo, vapores y humo no se puede evitar a través de medidas técnicas, tales como el uso de la conexión hidráulica del dispositivo motorizado o una extracción adecuada, todas las personas que se encuentren cerca del dispositivo y el usuario de la herramienta eléctrica para proteger, deben utilizar un equipo de protección respiratoria contra el polvo aprobado por NIOSH/MSHA para protección contra el polvo fino, el polvo, los vapores y el humo del material a cortar.

Cuando se realizan trabajos de albañilería, hormigón o de otro tipo de materiales que contengan cuarzo, puede surgir polvo fino, humo o vaho que contiene sílice cristalina. La sílice es uno de los principales constituyentes de la arena, ladrillo, granito y muchos otros materiales minerales y piedras. La inhalación de sílice puede causar enfermedades respiratorias graves o mortales, incluida la silicosis. Además, California y otros estados han declarado la sílice cristalina como una sustancia que, es sabido, causa cáncer en caso de inhalación.

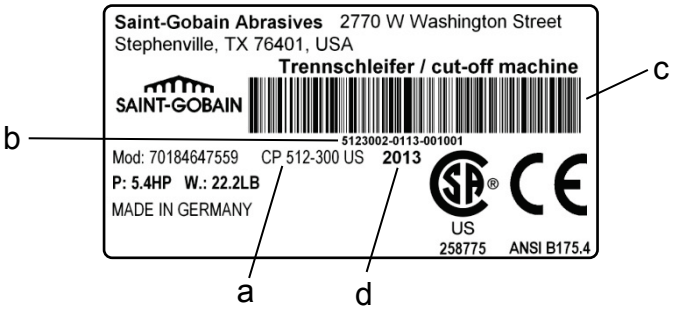
- Al cortar tales materiales, use siempre la protección respiratoria antes mencionada.

4 Descripción del dispositivo motorizado

4.1 Artículos incluidos en la entrega

- Aparato base
- Disco de corte
- Disco adaptador de eje para discos de corte con perforación interior de 1"
- Herramienta: Llave universal (llave de bujías con destornillador), perno de bloqueo y destornillador adicional
- Este manual de instrucciones

4.2 Placa de modelo



a: Designación de tipo
b: Número de serie
c: Código de barras
d: Año de construcción

4.3 Datos técnicos

Modelo	CP512-300	CP512-300i	CP512-350	CP512-350i
Tipo de motor	Motor de dos tiempos, enjuague de cuatro canales			
Cilindrada	81 cm^3 [4,94 cu.in]			
Orificio Ø / recorrido	52 mm / 38 mm [2,0" / 1,5"]			
Potencia máx. a una revolución de	4,0 kW / 9.300 $^1/_{min}$ [5,36 HP / 9.300 RPM]			
Par de giro máx. a una revolución de	4,8 Nm / 7.000 $^1/_{min}$ [3,54 ft·lbf / 7.000 RPM]			
Nº máx. de revoluciones permitido	(9.500 ±200) $^1/_{min}$ [(9.500 ±200) RPM] (sin carga con disco de corte)			
Nº revoluciones en vacío	(2.600 ±200) $^1/_{min}$ [(2.600 ±200) RPM]			
Velocidad de enganche del embrague	(4.000 ±200) $^1/_{min}$ [(4.000 ±200) RPM]			
Capacidad del depósito de combustible	0,9 l [30 oz]			
Capacidad del depósito de aceite	---	0,32 l [10,8 oz]	---	0,32 l [10,8 oz]
Proporción de consumo de la mezcla de combustible gasolina:aceite	50:1	---	50:1	---
Lubricación automática controlada electrónicamente	---	✓	---	✓
Consumo a máxima potencia (ISO 7293)	1,75 kg/h [3,86 lbs/h]			
Consumo específico a máxima potencia (ISO 7293)	460 g/kWh [0,76 lbs/HP·h]			
Carburador con primer	Posición independiente con iniciador, controlado electrónicamente			
Filtro de aire	Papel			
Encendido	Encendido magnético controlado electrónicamente, sin desgaste			
Disco de corte: Diámetro Diámetro de la perforación Par de apriete del tornillo de fijación	12" [305 mm] 20 mm o 1" (30 ±2) Nm [22,1 ±1,48 ft·lbf]		14" [356 mm] 20 mm o 1" (30 ±2) Nm [22,1 ±1,48 ft·lbf]	
Diámetro mínimo externo de la brida	100 mm [3,9"]		100 mm [3,9"]	
Diámetro del husillo	20 [0,787"]		20 [0,787"]	
Máxima velocidad del cabezal	4.550 $^1/_{min}$ [4.550 RPM]		4.550 $^1/_{min}$ [4.550 RPM]	
Profundidad de corte, máx.	100 mm [3,9"]		125 mm [4,9"]	
Dimensiones: Alto / Ancho / Largo	430 mm / 267 mm / 750 mm [16,9" / 10,5" / 29,5"]		430 mm / 267 mm / 750 mm [16,9" / 10,5" / 30,5"]	
Peso sin contenido de depósito, o sin disco de cortar	10,1 mm [22,3 lbs]	10,4 mm [22,9 lbs]	10,2 mm [22,5 lbs]	10,5 mm [23,1 lbs]
Nivel de decibelios[1,2] L_{Peq} (EN ISO 19432 Anexo B)	98 dB(A)			
Nivel de decibelios[1,2] L_{Weq} (EN ISO 19432 Anexo B)	108 dB(A)			
Aceleración de oscilación[1,3] $a_{hv,eq}$ (EN ISO 19432 Anexo C) Manillar derecho / Manillar izquierdo	4,5 m/s^2 / 6,0 m/s^2 [177 "/s^2 / 236 "/s^2]			

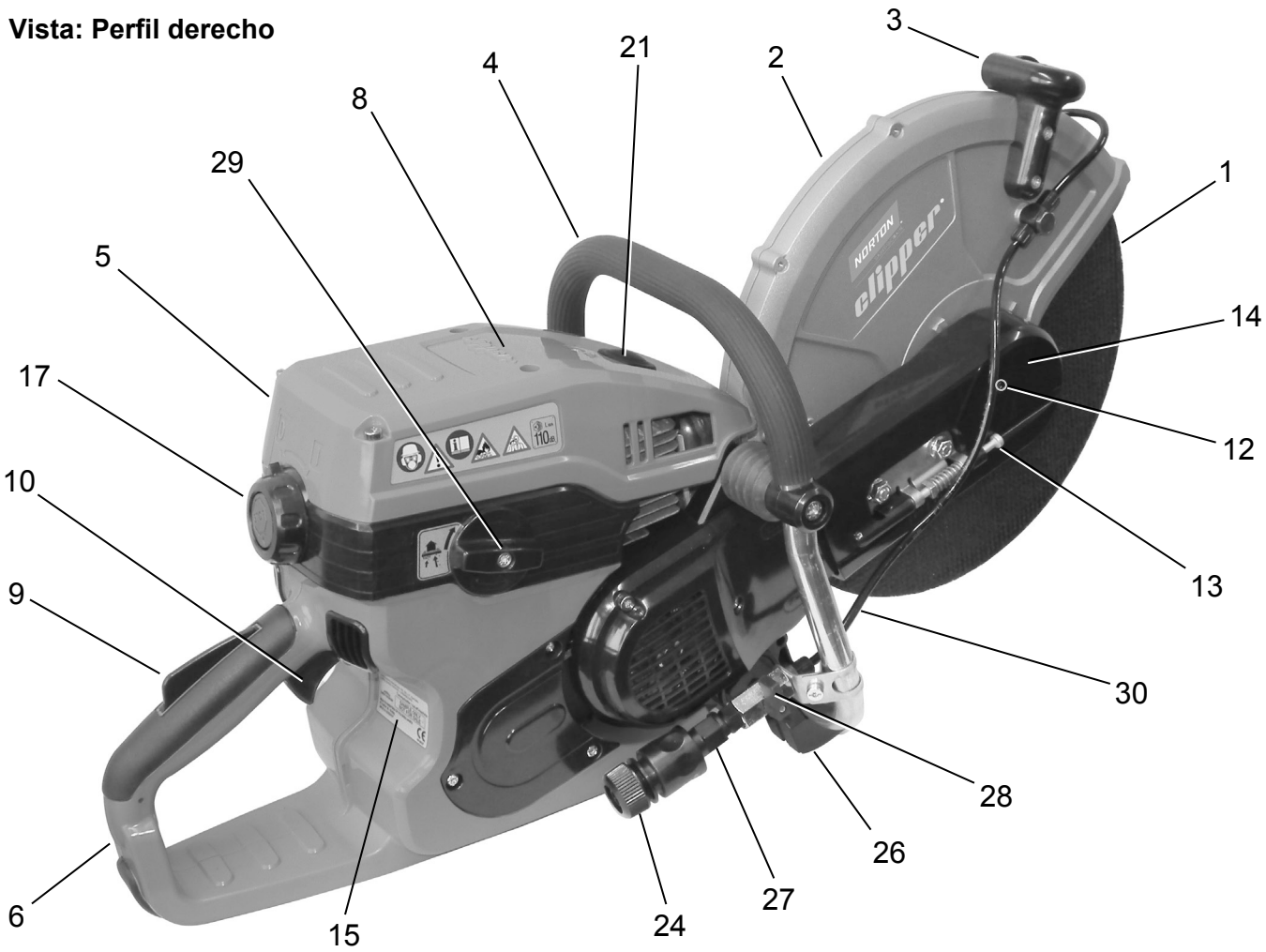
[1] Para la determinación de los siguientes valores listados arriba referentes a la aceleración de oscilación y al sonido, se tuvieron en cuenta a partes iguales, el ralentí, la carga plena y la revolución máxima nominal, según las prescripciones legales

[2] Incertidumbre K según Directiva CE 2006/42/CE: 2,5 dB(A)

[3] Incertidumbre K según Directiva CE 2006/42/CE: 2 m/s^2 [78,7 "/s^2]

4.4 Vistas de dispositivos y piezas importantes de mando y de función

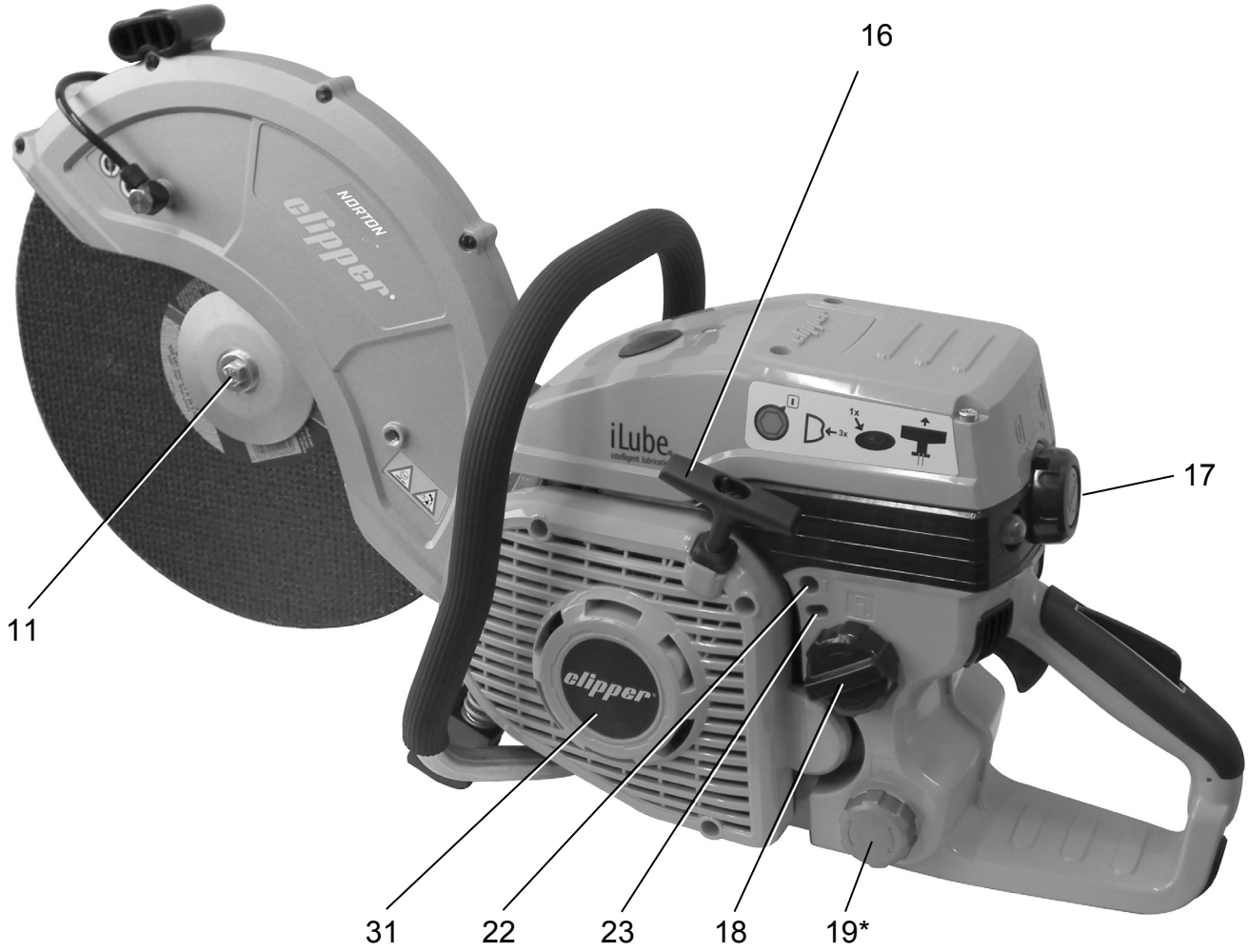
Vista: Perfil derecho



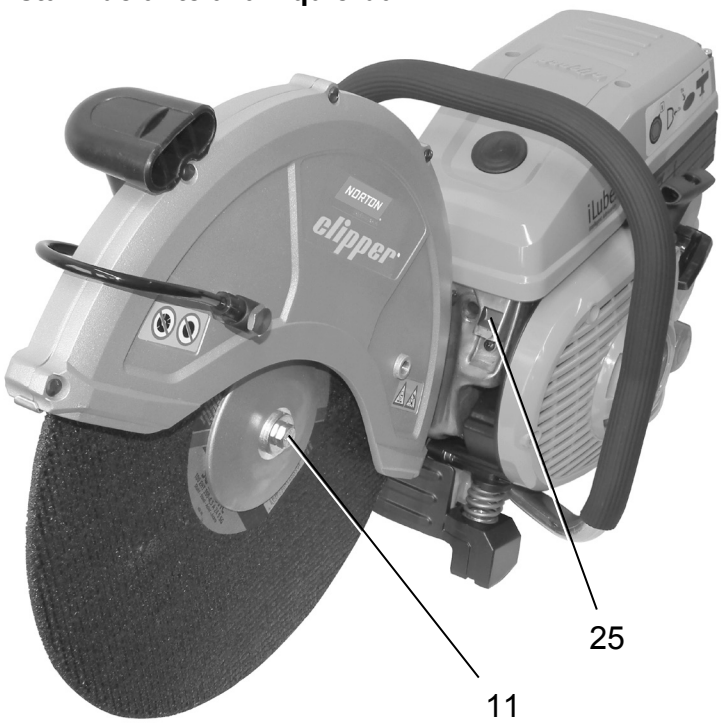
1. Disco de corte	16. Tirador
2. Tapa de protección	17. Interruptor giratorio de parada / Interruptor de parada One-Touch
3. Mango de ajuste de la tapa protectora	18. Tapa del tanque de combustible
4. Mango	19*. Tapa del tanque de aceite, verde (sólo a CP512-300i y CP514-350i)
5. Tapa	20. Primer
6. Mango manual trasero	21. Válvula de descompresión
7. Aberturas de aspiración twin pipe	22. Tornillo en "T" ralentí
8. Tapa de las bujías de ignición	23. Tornillos de ajuste del carburador "L" y "H" (sólo para talleres)
9. Bloqueo de la palanca aceleradora	24. Línea de acoplamiento de agua (corte húmedo)
10. Palanca de acelerador	25. Silenciador
11. Tornillo de fijación del disco de corte	26. Soporte
12. Abertura de bloqueo del disco de corte	27. Pieza de acoplamiento del filtro de la tubería de alimentación de agua
13. Tornillo de tensión de la correa	28. Palanca de válvula para la alimentación de agua
14. Tapa de la correa	29. Botón giratorio de vibración
15. Placa de modelo	30. La línea de suministro de agua (corte húmedo)
	31. Carcasa del encendido y ventilador con aberturas de refrigeración

* depende del modelo

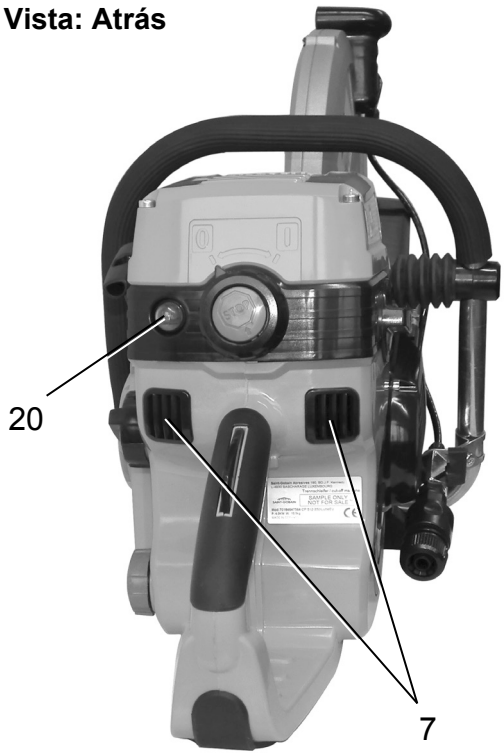
Vista: Perfil izquierdo



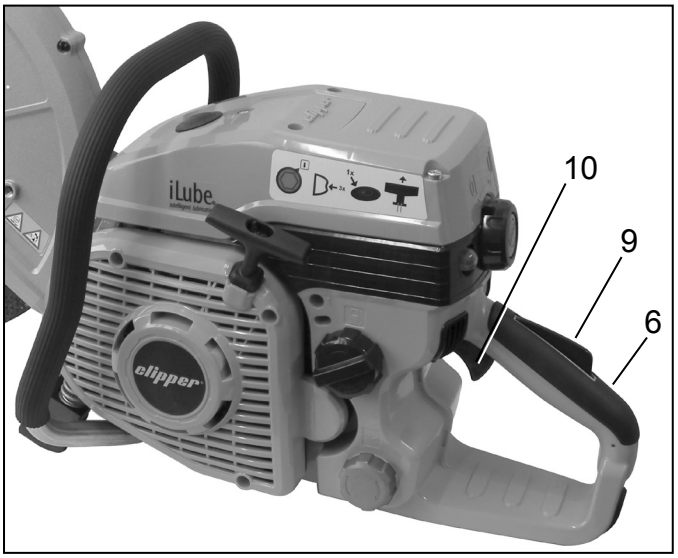
Vista: Adelante a la izquierda



Vista: Atrás



4.5 Palanca aceleradora y bloqueo de la palanca aceleradora



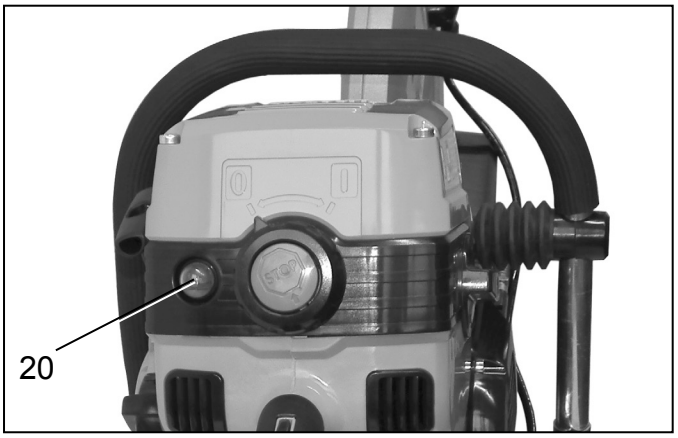
Liberación de la palanca del acelerador (10)

- Sujetar el mango trasero (6) con la mano derecha. En este caso, el bloqueo del acelerador (9) se presiona con la palma de la mano.
  ➔ Se libera la palanca de acelerador (10).

4.6 Piezas funcionales para el arranque

Tirador (16) y cuerda de arranque ➔ Cap. 6.3, página 26

Primer (20)



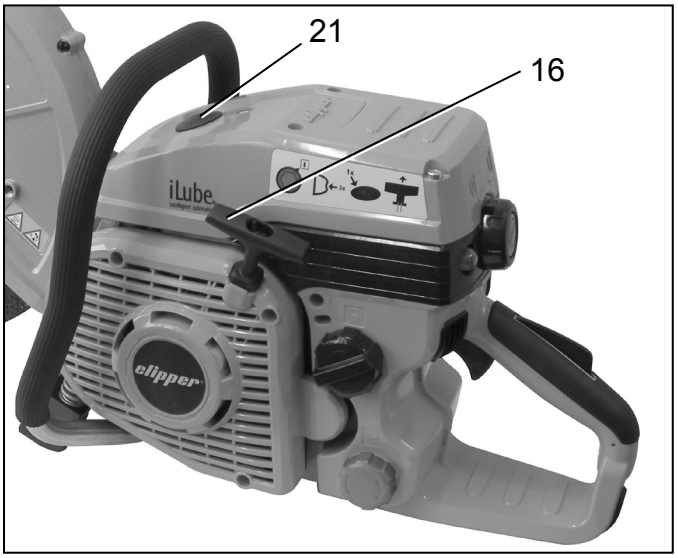
Cuando se entrega, después de un período de descanso más largo y cuando el tanque ha sido completamente "vaciado", aún no hay combustible en el carburador hasta repostar.

Procedimiento de arranque: ➔ Cap. 6.1, página 25

Con el fin de facilitar el proceso de arranque, el combustible puede ser bombeado en el carburador. Presione el primer (20) las veces que haga falta hasta que el combustible sea visible.

El exceso de combustible se devuelve automáticamente del primer al tanque.

Válvula de descompresión (21)



Cuando se acciona la válvula de descompresión (21) en la cámara de combustión del motor se alcanza una compresión más baja. Esto significa que el motor, cuando se inicia, encuentra una resistencia opuesta más pequeña por lo que el arranque se facilita considerablemente.

Procedimiento de arranque: ➔ Cap. 6.1, página 25

La válvula de descompresión se cierra automáticamente cuando el motor está funcionando.

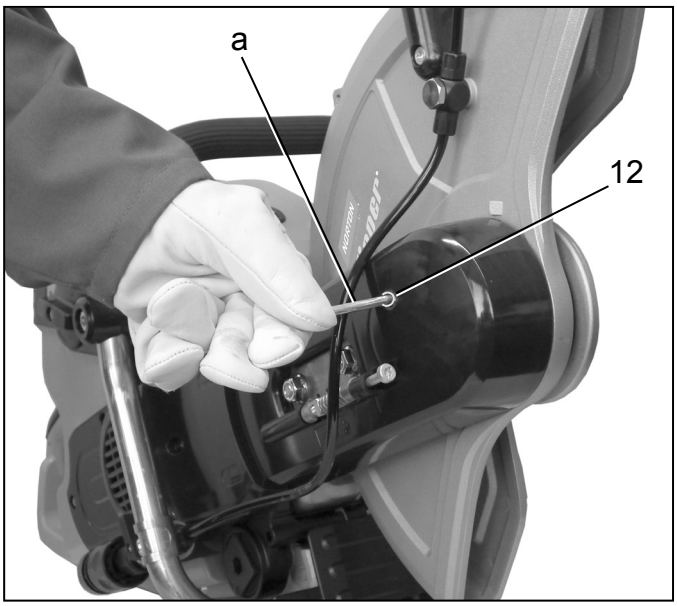
Si en el proceso de arranque es necesario por segunda vez extraer la empuñadura de arranque (16) porque el motor no se ha iniciado (por ejemplo, durante el arranque en frío), la descompresión no debe pulsar de nuevo.

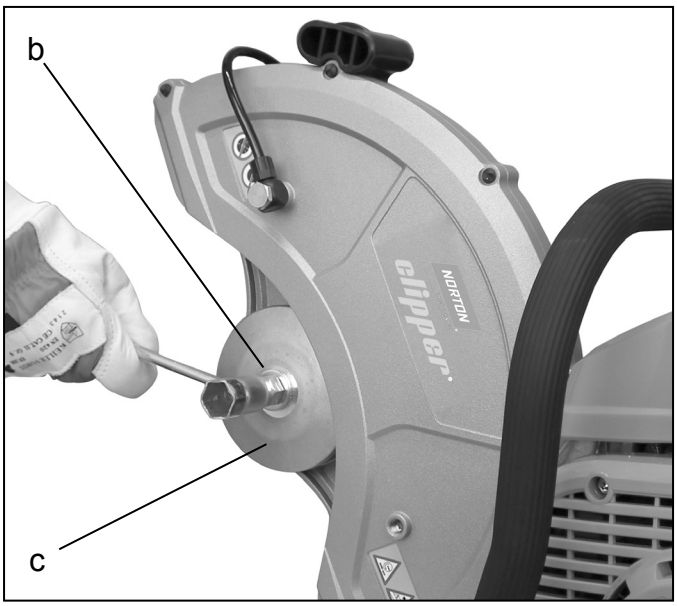
5 Preparación para el trabajo



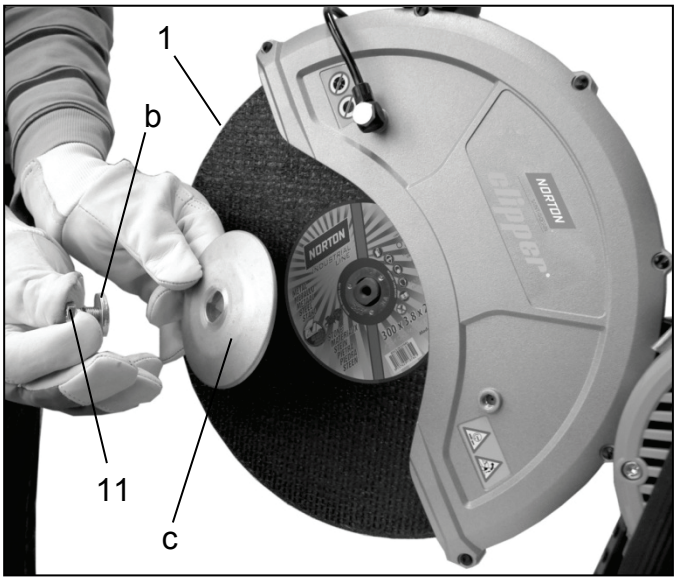
5.1 Montar los discos de corte

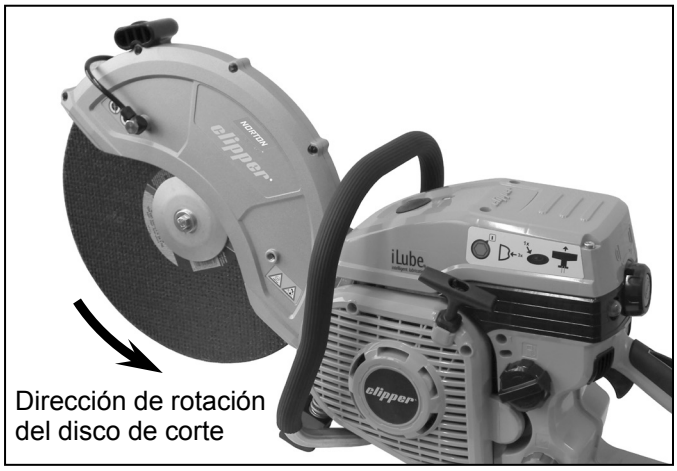
¡Los discos de corte utilizados deben cumplir los requisitos del cap. 7.1 en la página 28! El husillo del dispositivo motorizado está diseñado para discos de corte con un diámetro interno de 20 mm. Los discos de corte con agujeros internos de 1" solo pueden ser montados junto con la arandela adaptador de eje. Montaje de discos de corte con perforación interior de 1": ➔ Cap. 5.2, página 18 Con el uso de disco de corte con un orificio interno de 20 mm sin placa de cabezal adaptador adicional.





- Para montar el disco de corte, la unidad de motor debe estar segura en el suelo. Sujetar firmemente la unidad de motor con la mano izquierda en el mango y presione firmemente en el suelo. ➔ Cap. 5.4
- Introducir pasador de seguridad (a) plenamente en las hojas de apertura de bloqueo (12) para bloquear la inserción del husillo. Afloje el tornillo de fijación de los discos de corte (11). Retirar la arandela (b) y la arandela de presión (c).



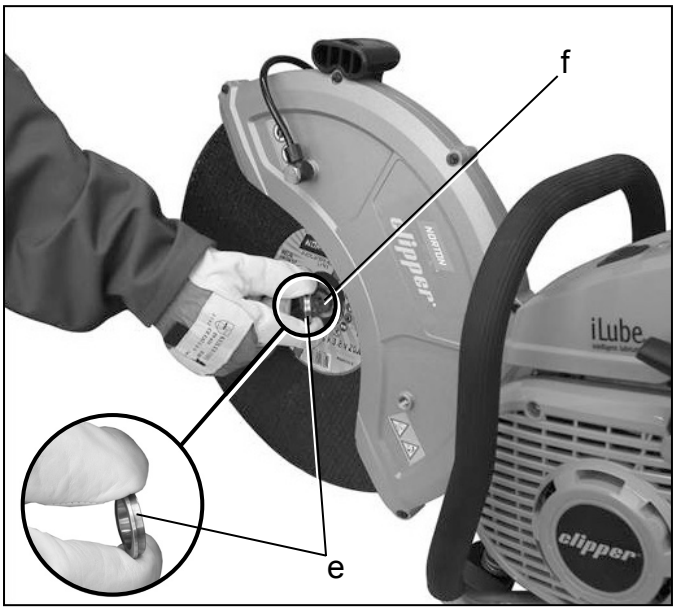


El sentido de giro de la cuchilla siempre se ejecuta como se indica por la flecha arriba – independientemente si el dispositivo de separación en la posición intermedia o exterior está montado.

- Colocar el disco de corte (1) en el husillo. En el caso de discos de corte con una dirección preestablecida (flecha en el disco de corte) debe tenerse en cuenta la orientación correcta del disco de corte (dirección de giro del disco de corte, ver arriba).
- Colocar la arandela de presión (c) de manera que el lado curvado quede hacia fuera, es decir, lejos de la hoja.
- Colocar la arandela de seguridad (b) y girar los discos de corte y los pernos de montaje (11).
- Introducir el pasador de seguridad (a) completamente en el agujero (12) y apretar completamente el tornillo de fijación (11) (30 Nm [22,1 ft·lbf]).
  Sujetar firmemente la unidad de motor con una mano en el mango y presionar firmemente en el suelo.
- Retire el pasador de bloqueo (a).

5.2 Montar los discos de corte con perforaciones interiores de 1"

El husillo del dispositivo motorizado está diseñado para discos de corte con un diámetro interno de 20 mm. Para el montaje correcto de los discos de corte con perforación interior de 1" la placa de adaptador de husillo que se incluye con la unidad de motor.
La placa de adaptador de eje garantiza un asiento adecuado del disco de corte de 1" en el eje.



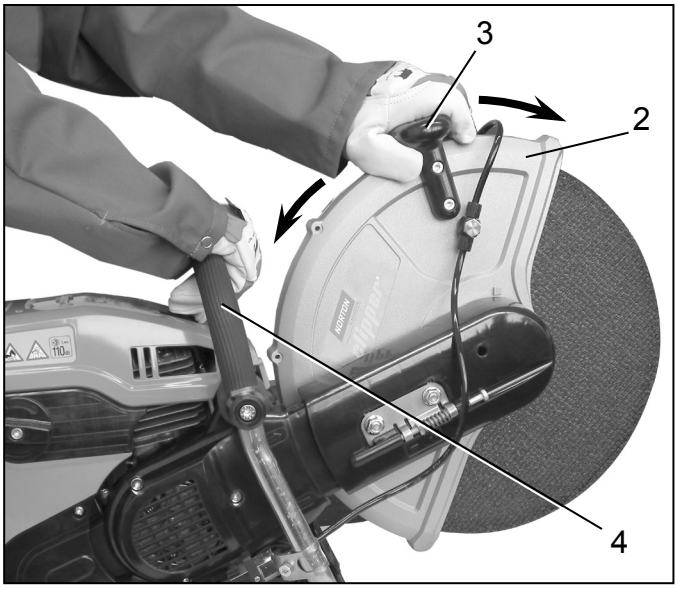
- El montaje de los discos de corte con un agujero interior de 1" es análogo al cap. 5.1 que comienza en la página 17.
- Después de colocar la cuchilla en el eje, debe colocarse, adicionalmente, el disco adaptador del eje (e) sobre el eje (f).
- Colocar el disco del eje adaptador (e) fijado así en el vástago de manera que encaje entre el eje y diámetro interior del disco de corte.
  La superficie de apoyo de la placa adaptadora del cabezal debe ser instalada hacia afuera, es decir, lejos de la hoja. La orientación correcta de la placa adaptadora de husillo es absolutamente necesaria para que la superficie plana interior de la placa de presión está conectada directamente a la hoja. Solo de esta forma se garantiza una fijación segura de la cuchilla.
- La colocación de la placa de presión y todos los pasos posteriores son análogos al cap. 5.1.

5.3 Desmontar el disco de corte

- Para montar el disco de corte, la unidad de motor debe de estar segura en el suelo. Sujetar firmemente la unidad de motor con la mano izquierda en el mango y presione firmemente en el suelo.
  ➔ Cap. 5.4, página 19
- Introducir el pasador de seguridad (a) plenamente en las hojas de apertura de bloqueo (12) para bloquear la inserción del husillo. Afloje el tornillo de fijación de los discos de corte (11). Retirar la arandela (b) y la arandela de presión (c) (véase también el cap. 5.1).
- Retire el disco de corte del husillo. En el caso de discos con un taladro interior de 1", la placa de adaptación de cabezal tiene que ser retirada del husillo.
- Volver a colocar la arandela de presión (c) en el husillo, de manera que el lado curvado esté hacia afuera.
- Colocar la arandela de seguridad (b) y volver a girar los discos de corte y los pernos de montaje (11).
  ➔ Cap. 5.1

- Introducir el pasador de seguridad (a) completamente en el agujero (12) y apretar completamente el tornillo de fijación (11) fija (30 Nm [22,1 ft·lbf]).
  Sujetar firmemente la unidad de motor con una mano en el mango y presione firmemente en el suelo.
- Retire el pasador de bloqueo (a).

5.4 Ajustar la tapa protectora



La tapa protectora (2) puede oscilar en una zona limitada hacia adelante o hacia atrás del pivote.

Para ajustar el disco de corte, la unidad de motor debe de estar segura en el suelo. Sujetar firmemente la unidad de motor con la mano izquierda en el mango (4) y presione firmemente en el suelo. Gire con la mano derecha en el mango de ajuste de la tapa protectora (3).

Para mantener las chispas y partículas producidas al cortar tan lejos del usuario como sea posible, la protección debe estar siempre pivotada hacia adelante tanto como lo permita la situación de trabajo.

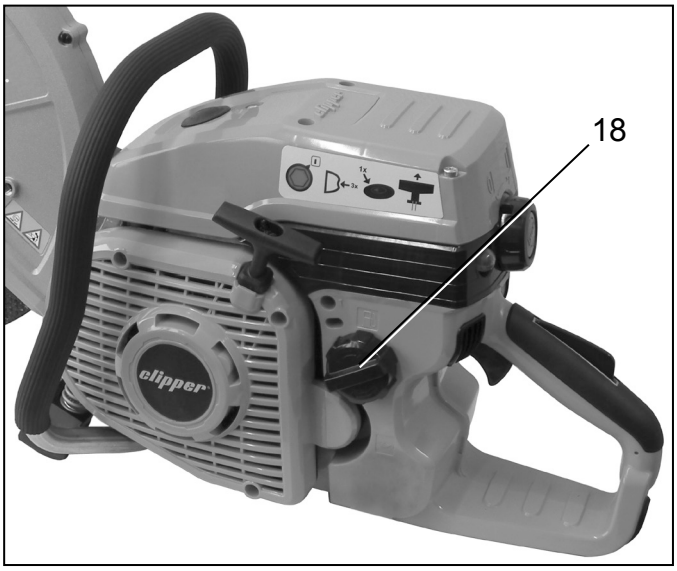
Si el separador está montado en la posición exterior se debe tener cuidado cuando se mueve la cubierta de protección para que la línea de suministro de agua no esté atrapada y el contacto de disco de corte y la línea de suministro de agua está excluido durante el funcionamiento.

5.5 Repostar combustible

¡Peligro para la salud!
Evitar el contacto directo con la piel y la inhalación de vapores de la gasolina.

El alto rendimiento del motor de dos tiempos de este dispositivo requiere, en la cámara de combustión, una mezcla de gasolina-aceite (gasolina y aceite = mezcla de combustible).

Modelo CP512-300 y CP514-350



Los modelos CP512-300 y CP514-350 están equipados con un depósito de combustible (18).

Depósito de combustible para mezcla de combustibles según la tabla de mezclas de abajo.

¡Combustibles no adecuados o las desviaciones en la proporción de mezcla pueden dar lugar a daños en el motor!

La mezcla de combustible se forma con los siguientes componentes:

- Gasolina "midgrade" sin plomo o gasolina súper sin plomo (octanos PON ≥ 89 $^{(R+M)}/_{2}$).
- Marcas de aceite de motor de 2-tiempos, que cumple las normas ISO-L-EGD o JASO FD.

Almacenar la mezcla de combustible no más de 3 semanas.

Tabla de mezclas de combustible:

Proporción de gasolina:aceite = 50:1 (2 %)	
Gasolina	**Marcas aceite de motor de 2-tiempos**
1 l	20 ml
2 l	40 ml
5 l	100 ml
10 l	200 ml

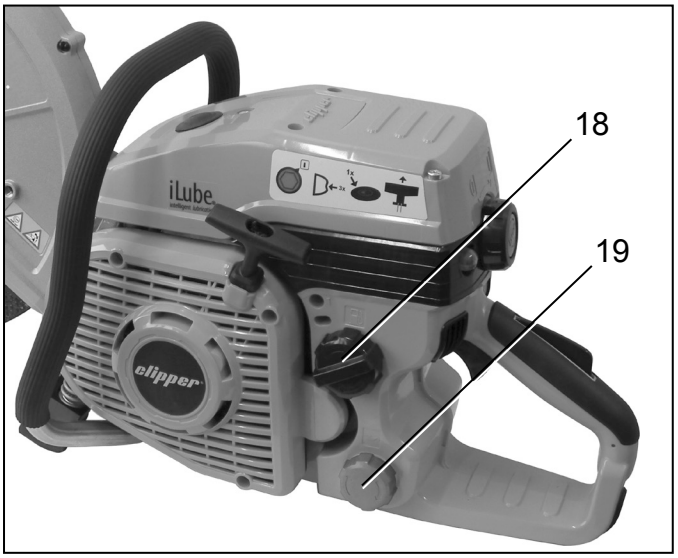
Proporción de gasolina:aceite = 50:1 (2 %)	
Gasolina	**Marcas aceite de motor de 2-tiempos**
1 gal	2.6 US fl. oz
2.5 gal	6.4 US fl. oz
5 gal	12.8 US fl. oz

En lugar de mezcla de combustible auto-producido también pueden usarse mezclas disponibles comercialmente, pre-mezclado, mezcla de combustible especial para motores de 2-tiempos.

Recomendación: Use la mezcla de combustible especial de la marca "Aspen 2-Takt".
Deben observarse las especificaciones del fabricante del combustible.

Modelo CP512-300i y CP514-350i con iLube®

Los modelos CP512-300i y CP514-350i están equipados con un depósito de combustible y un depósito de aceite que deben llenarse según las especificaciones de abajo.
En estos modelos, la mezcla de combustible se forma durante la operación de forma automática (lubricación independiente, iLube®, lubricación inteligente).



Tanque de combustible (18) para la gasolina "midgrade" sin plomo o gasolina súper sin plomo (octanos PON ≥ 89 $^{(R+M)}/_{2}$).

¡No llenar mezcla de combustible en el tanque de combustible (18)!

Depósito de aceite (19, tapa verde) para marcas de aceite de motor de 2-tiempos, que cumple las normas ISO-L-EGD o JASO FD.

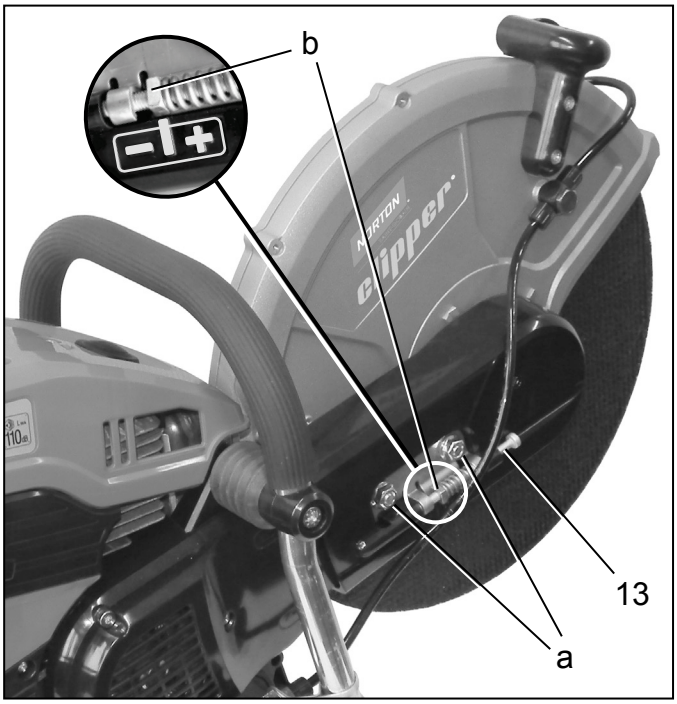
Si no hay suficiente aceite en el tanque de aceite, el dispositivo controla de forma automática, incluso a bajas velocidades y no alcanza la velocidad necesaria para el trabajo, que se manifiesta por un cambio en el ruido de funcionamiento normal. Como mucho, rellenar con aceite en este caso.

llenar con medios (combustible y gasolina y la mezcla de aceite)

Al repostar, tenga en cuenta las prescripciones de seguridad. Llene el depósito con el motor detenido.

- Limpie completamente el área alrededor de la entrada de relleno.
- Coloque el dispositivo motorizado en el suelo de modo que la tapa del combustible quede hacia arriba.
- Desenrosque el tapón del depósito.
- Para evitar la contaminación en el depósito usar un embudo con filtro si es posible.
- Llenar el depósito hasta el borde inferior del cuello.
- Volver a cerrar el tapón de llenado del tanque con firmeza hasta que la protección de sobre velocidad de manera significativa "salta".
- Limpiar después de repostar la unidad de motor cuanto a posibles salpicaduras.
- Nunca arrancar o usar el motor en el lugar de repostaje.

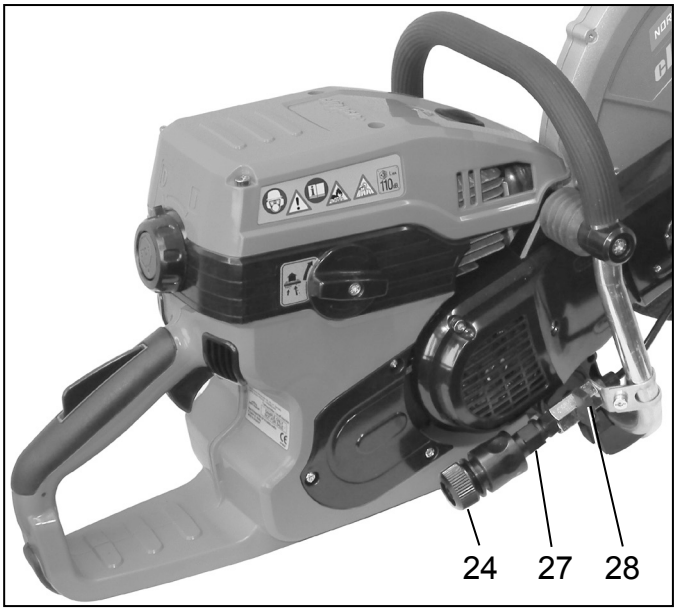
5.6 Ajustar la correa



En principio se deben ajustar correctamente las correas durante la puesta en marcha de la unidad de motor. Durante la instalación inicial, durante la reanudación después de una parada larga, después de reemplazar correas u otro trabajo, usted debe comprobar la tensión y, posiblemente, ajustar la tensión correcta.

- Apretar completamente las dos tuercas de fijación (a).
- Girar la cinta acanalada tornillo tensor (13) a la derecha (sentido horario):
  ➔ Aumentar la tensión de la correa.
  La tuerca cuadrada (b) pasa a la marca "+".
- Girar la cinta acanalada tornillo tensor (13) a la izquierda (sentido contrario al horario):
  ➔ Disminuir la tensión de la correa.
  La tuerca cuadrada (b) pasa a la marca "+".
- La tensión correcta se consigue cuando la tuerca cuadrada (c) está sobre el marcador (c) central, en otras palabras entre "+" y "–".
- Volver a apretar bien las dos tuercas de fijación (a)

5.7 Tuberías de agua para corte húmedo



El corte de materiales minerales produce mucho polvo fino. Recomendación: para cortar materiales minerales usar el suministro de agua del dispositivo motorizado y cuchillas de corte adecuadas para corte en mojado.
Al cortar con el suministro de agua, el polvo se aglomera, la inspección visual mejora y se extienden la vida útil de las cuchillas a través del efecto de enfriamiento de agua.

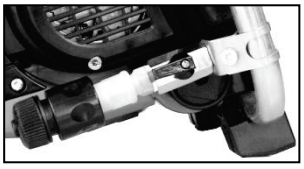
Antes del corte húmedo:

- Conectar suministro de agua adecuado o tanque de presión adecuada para el puerto de acoplamiento (24).
- Palanca de la válvula (28) para abrir o cerrar el suministro de agua.

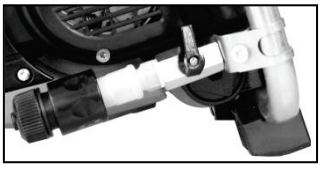
Después del corte húmedo:

- Volver a cerrar la palanca de la válvula para cerrar el suministro de agua, es decir, colocarla transversalmente en el conector.
- Dejar que el disco de corte funcione todavía alrededor de 30 segundos a alta velocidad para sacudir el agua completamente.

Limpieza del colador en el inserto del acoplamiento (27): ➔ Cap. 8.2, página 32



Suministro de agua abierto
(palanca de la válvula en paralelo)



Suministro de agua cerrado
(palanca de la válvula horizontal)

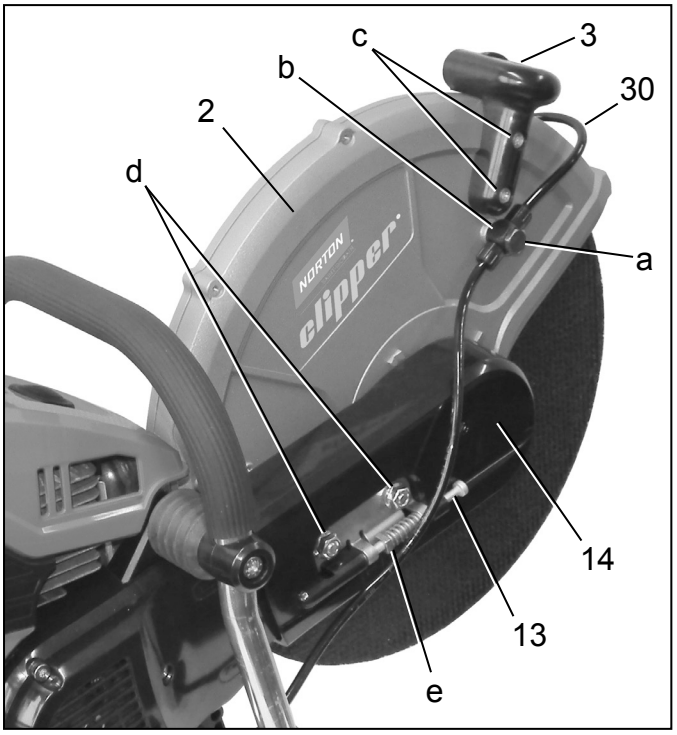
5.8 Cambiar el dispositivo de corte de la posición media a la posición exterior

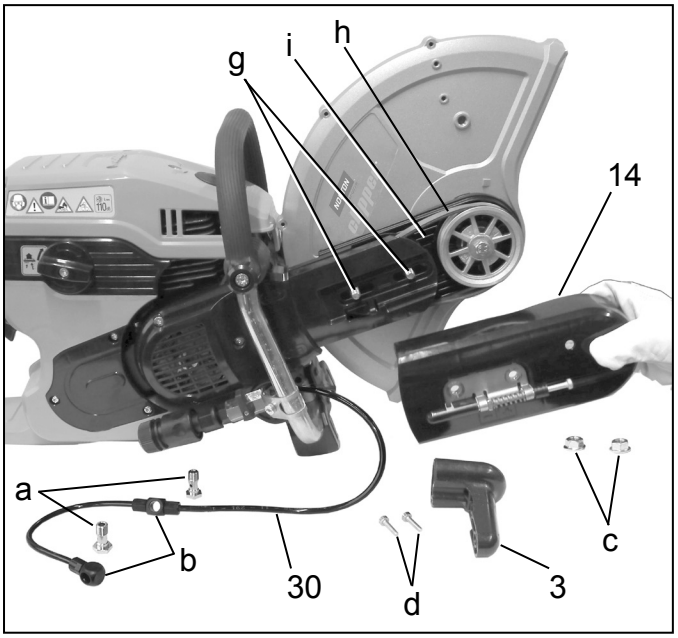
La herramienta eléctrica es estándar para el funcionamiento de la cuchilla en la posición central. Básicamente, en la posición media el equilibrio de la herramienta eléctrica es mejor, porque la distribución del peso aquí simétricamente respecto al eje central, y el corte es por tanto más fácil de realizar.

En el caso de los obstáculos que se encuentran muy cerca del campo de la separación, puede ser necesario montar el separador en la posición exterior, de manera que el disco de corte esté más lejos.

¡Cuando se trabaja con la hoja en posición de fuera tener en cuenta distribución del peso desequilibrada! Si es posible, trabajar siempre en la posición central.

Cambiar desde la posición media a la posición exterior



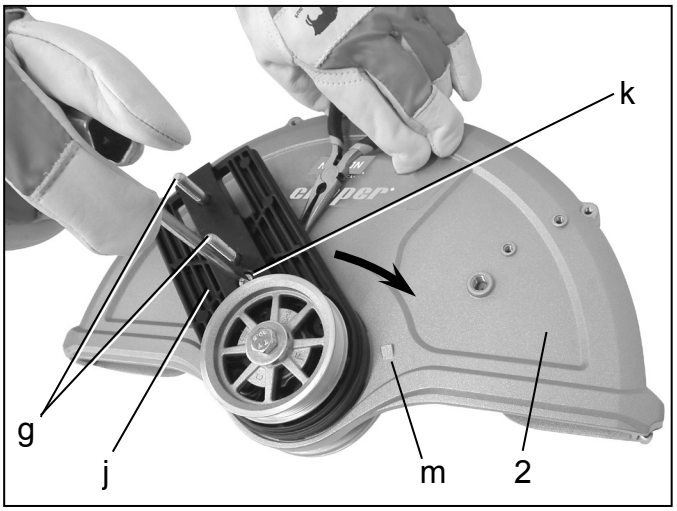


Preparación

- Colocar el aparato motorizado sobre una superficie plana.
- Desmontar el disco de corte:
  ➔ Cap. 5.3, página 18
- Desmontar la línea de suministro de agua (30): Desenroscar el tornillo de fijación (a) de la línea de suministro de agua a la derecha y en el lado izquierdo de la tapa protectora (2).
  Retirar ambos adaptadores (b) incluyendo la línea de fuera de la guardia. Colocar los adaptadores, incluyendo la línea de manera a que en los pasos siguientes no interfieren y no queden atrapados.
- Desmontar el mango de ajuste de la tapa protectora (3): Desatornillar los dos tornillos de fijación (c) del mango del ajuste de la tapa protectora y retirar el mango.
- Apretar las dos tuercas de fijación (d) de la tapa de la banda acanalada (14).
- Girar la cinta acanalada tornillo tensor (13) a la izquierda, es decir, en el sentido contrario a las agujas del reloj para disminuir la tensión de la correa.
  Girar hasta que la tuerca cuadrada (e) alcance la marca "−". Al montar el separador en la posición media (véase el gráfico), la tuerca cuadrada se deja cuando se monta en posición desde fuera hacia la derecha.
- Aflojar completamente las dos tuercas de fijación (d).
- Retirar la tapa de la correa acanalada (14).

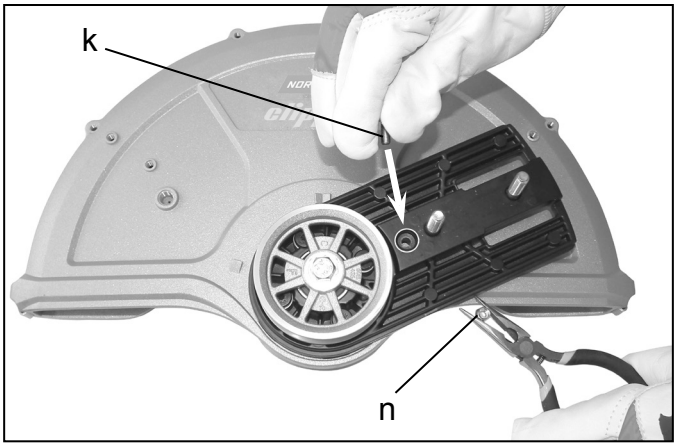
Desmontar la tapa protectora (2)

- Mueva con cuidado la cubierta de la unidad del motor hacia abajo. Los tornillos (g) de la brida de montaje (j) se mueven dentro de los orificios alargados.
- Cuando la tapa de protección se ha movido hasta la unidad de motor, con el apoyo de la correa (i) a través de la correa (h) se pueden extraer, remover la cubierta protectora.
  Asegúrese de que esta correa no va a dañar las aletas.



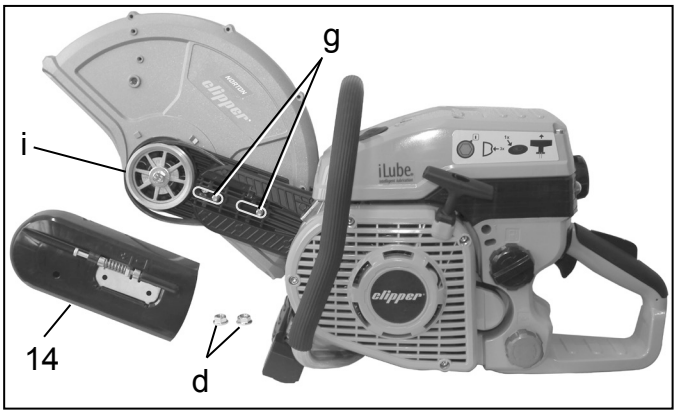
Aflojar y girar la brida de montaje (j)

- Colocar la tapa protectora con la brida de montaje (j) hacia arriba en una superficie plana (tornillos (g) de la brida de montaje hacia arriba).
- Retirar el tornillo (k)
  Para ello, sujetar la tuerca que se encuentra por debajo de la brida de montaje con un par de alicates planos.
- Girar la brida de montaje contra la tapa protectora de manera que el orificio de montaje para el tornillo (k) esté entre el tope central y el tope derecho (m) en la cubierta protectora. La brida de montaje gira de forma rígida. Mantenga la tapa de forma segura en la rotación.



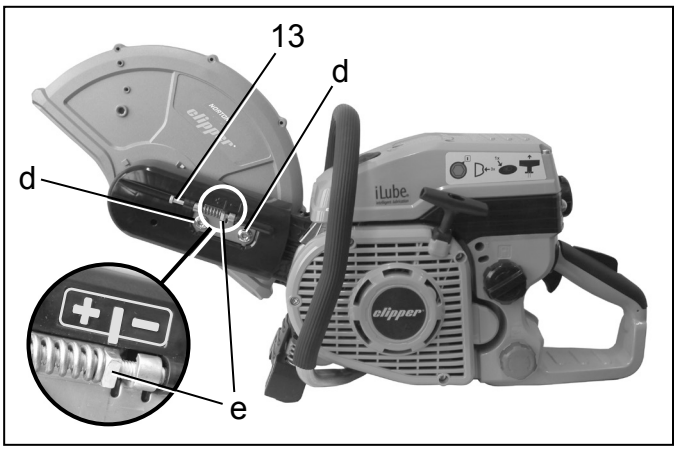
Limitar el ángulo de rotación de la tapa protectora con el tornillo (k)

- Vuelva a apretar el tornillo (k).
  Para ello introducir la tuerca (n) con una pinza plana para girar la brida de montaje y fijar el tornillo.
  La rotación de la tapa protectora está limitada por los topes de la tapa protectora, entre los que se puede mover la tuerca.



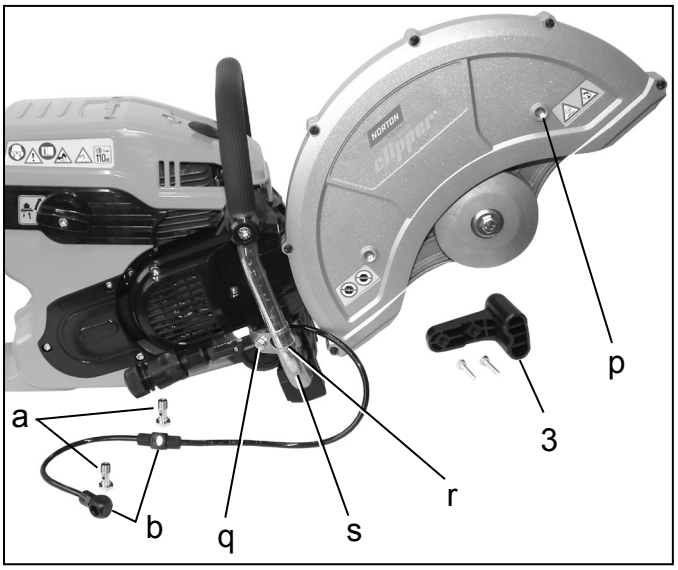
Montar el dispositivo de corte en la posición exterior

- Colocar el dispositivo de corte en la posición exterior en el apoyo del dispositivo de corte. Para ello colocar los dos tornillos (g) de la brida de montaje a través de los orificios ranurados y colocar el apoyo de correas (i) en las correas.
- Verifique que la correa se mueve libremente. Corregir el posicionamiento de la correa.
- Volver a colocar la cobertura de banda acanalada (14).



Ajustar la correa:

- Atornillar las dos tuercas de fijación (d) en la tapa de correa en los tornillos de la brida de montaje. Apretar las tuercas con la mano con la misma firmeza que la tensión de la correa se puede ajustar.
- Girar la cinta acanalada tornillo tensor (13) a la derecha, es decir, en el sentido de las agujas del reloj para aumentar la tensión de la correa. La tensión correcta se consigue cuando la tuerca cuadrada (e) está sobre el marcador central, en otras palabras entre "+" y "−".
- Apretar las dos tuercas de fijación (d).



Mover la fijación de la línea de suministro de agua hacia arriba:

La línea de suministro de agua debe colocarse de modo a evitar, en todas las posiciones de la tapa protectora, un contacto de la tubería de suministro de agua y el disco de corte en funcionamiento.

- Colocar la línea de suministro de agua de modo que se ejecute en el exterior de la tapa protectora y no entre la tapa protectora y la brida de montaje.
- Insertar los tornillos de montaje (a) de la línea de suministro de agua en las piezas del adaptador (b).
- Posicionar las piezas del adaptador en el lado derecho e izquierdo de la cubierta protectora sobre el agujero roscado asociado (p) en la posición de los tornillos de fijación y el tornillo de la línea de suministro de agua.
- Aflojar el tornillo (q) de la abrazadera (r) para poder mover la abrazadera hacia arriba.
- Mover la abrazadera hacia arriba hasta que la línea de suministro de agua no pueda entrar en contacto con la hoja.
- Posicionamiento de la línea de suministro de agua con toda la tapa protectora inclinada hacia adelante y ajustar si es necesario.

Volver a montar el mango del ajuste de la tapa protectora y el disco de corte

- Volver a montar el mango para guardar el ajuste (3) con los tornillos de montaje asociados en la contraportada.
- Montar los discos de corte ➔ Cap. 5.1, página 17

5.9 Primera puesta en marcha / Arranque

Después de la producción, el dispositivo motorizado es sometido a un proceso de pruebas y test que comprueban que el motor funciona de manera óptima.
Por ello, no son necesarias medidas especiales cuando se pone en marcha por primera vez.

6 Arrancar el motor / Apagar el motor



¡Tener en cuenta las normas de seguridad!

6.1 Procedimiento de arranque



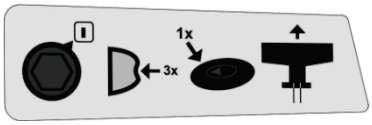
Preparación para el arranque

- Colocar el dispositivo motorizado en una superficie plana y sin obstáculos y asegurarse de que el disco de corte no entre en contacto con ningún objeto.
- Colocar la tapa protectora en su posición óptima para la aplicación prevista. ➔ Cap. 5.4, página 19

Regulación automática de la mezcla para arranque en frío y en caliente

El dispositivo motorizado está equipado con un carburador controlado electrónicamente. Por ello, no son necesarios ajustes especiales para el arranque en frío o en caliente (p. ej. operación manual del estárter).

Indicaciones de arranque





- Girar el interruptor giratorio de parada hacia la posición de operación "1".



- Accionar el primer antes del primer arranque. ➔ Cap. 4.6, página 16



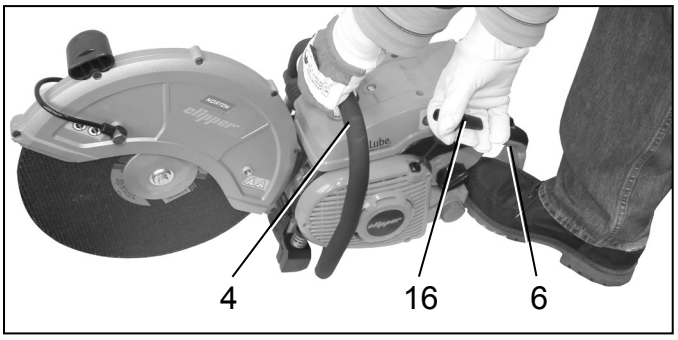
- Pulsar la válvula de descompresión antes de la puesta en marcha. ➔ Cap. 4.6, página 16
- Poner el dispositivo motorizado en la posición de puesta en marcha. ➔ Cap. 6.2, página 26



- Tirar del mango del estárter. ➔ Cap. 6.3, página 26

6.2 Posición de puesta en marcha

Debe evitarse a toda costa el contacto del disco de corte con partes del cuerpo u objetos.

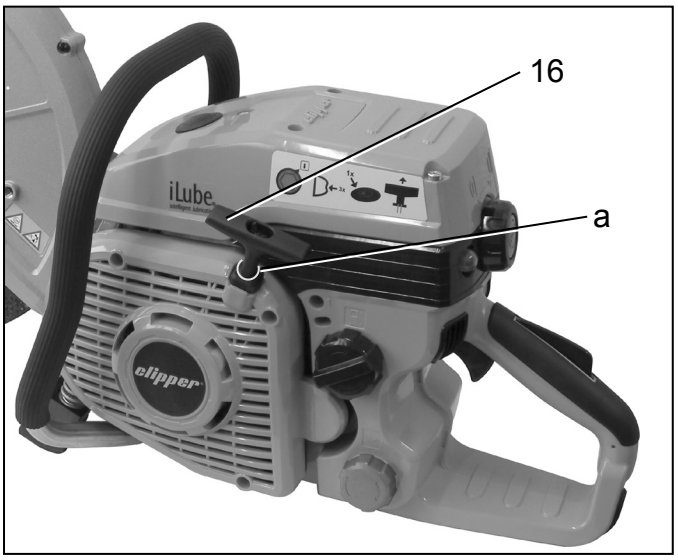


- Colocar un pie en el mango manual trasero (6) para de esta forma, sujetar el dispositivo motorizado en el suelo.
- Sujetar firmemente la unidad de motor con una mano en el mango (4) y presione firmemente en el suelo.
- Con la otra mano manejar el mango del estárter (16).

¡No están permitidas otras posiciones de puesta en marcha!

6.3 Arranque del motor

Las siguientes indicaciones sirven para aumentar la vida útil de la cuerda de arranque y del mecanismo de arranque:



- Tirar del mango del estárter (16) al proceder a la puesta en marcha, primero lentamente hasta encontrar una resistencia palpable (punto muerto superior).
- Después, tirar del mango del estárter de forma rápida y con decisión.
- Tirar siempre del cable en línea recta.
- No permitir que el cable se enrolle en los ojales del cable (a).
- ¡Peligro de rotura de cable! No tirar del cable hasta el tope.
- Llevar siempre el mango del estárter hasta su posición de salida, no deje que se retraiga.

Los cables de arranque dañados pueden ser reemplazados a un taller especializado autorizado por el fabricante.

6.4 Parar el motor

Soltar la palanca del acelerador y pulsar el interruptor de parada One-Touch.

Asegúrese de que el disco de corte esté frenado antes de desconectar el dispositivo motorizado.

Recomendación: Gire el interruptor giratorio solo *a "0" para trabajos de mantenimiento con el fin de evitar el arranque accidental del motor. Cuando se* utiliza *el dispositivo motorizado, debe usarse siempre el interruptor de parada One-Touch para detener el motor.*

7 Uso del dispositivo motorizado



¡En todos los trabajos deben observarse todas las normas de seguridad y en general cumplir con toda la información en los otros capítulos de este manual con cuidado!

Lista de verificación de la aplicación (¡solo palabras clave!) ➔

- Antes del arranque:
  - ¡La unidad de motor se encuentra en condiciones de trabajo seguro! ..... ➔ manual de instrucciones completo
  - Ropa de trabajo obligatoria ..... ➔ cap. 3.3, página 8
  - Entorno de trabajo explorado y asegurado ..... ➔ cap. 3.2, página 6, y cap. 3.9, página 10
  - Montado el correcto disco de corte ..... ➔ cap. 5.1, página 17, y cap. 7.1, página 28
  - Tapa de protección en posición optima ..... ➔ cap. 5.4, página 19
  - Posición del dispositivo de corte, posición media preferente ..... ➔ cap. 5.8, página 22
  - Tensión de la correa acanalada correcta ..... ➔ cap. 5.6, página 21
  - Recursos llenados ..... ➔ cap. 5.5, página 19
- Iniciar: ..... ➔ cap. 6, completo a partir de la página 25
  - Preparación de inicio ..... ➔ cap. 6.1, página 25
    - ○ Interruptor de parada giratorio en posición de listo ..... ➔ cap. 6.1, página 25
- Trabajar siempre de forma segura ..... ➔ manual de instrucciones completo
  - Comprobar ajuste de marcha en vacío ..... ➔ cap. 8.3, página 32
  - Evaluación de la situación de trabajo ..... ➔ cap. 3.9, página 10, cap. 7.2, página 28 y cap. 7.3, página 29
  - Corte húmedo preferente ..... ➔ cap. 5.7, página 21
  - Técnica de trabajo segura ..... ➔ cap. 7.3, página 29, cap. 7.4, página 29 y cap. 7.5, página 30
  - Instrucciones de funcionamiento y mantenimiento completas ..... ➔ cap. 8, completo a partir de la página 31
    - ○ Filtro de aire limpio ..... ➔ cap. 8.4, página 33
- Después del trabajo: ..... ➔ manual de instrucciones completo
  - Limpieza y conservación ..... ➔ cap. 8.1, página 31
  - Guardar el dispositivo motorizado de forma segura ..... ➔ cap. 8.10, página 40
  - Mantenimiento ..... ➔ manual de instrucciones completo

7.1 Discos de corte

Utilice solo hojas de sierra que cumplan con las normas ANSI B7.1, EN 12413 y EN 13236 y están absolutamente intactas.
La velocidad máxima del cabezal del dispositivo motorizado es 4.550 min^{-1} [4.550 RPM].
Solo deben usarse discos de corte de alta velocidad reforzados, cuya velocidad máxima permitida sea de, al menos, 4.550 min^{-1} [4.550 RPM].

Para el mecanizado de metales (corte caliente) y para el procesamiento de materiales minerales (corte frío), se ofrecen diferentes discos de corte. En principio, solamente deben usarse discos de corte aprobados para el procesamiento de material.

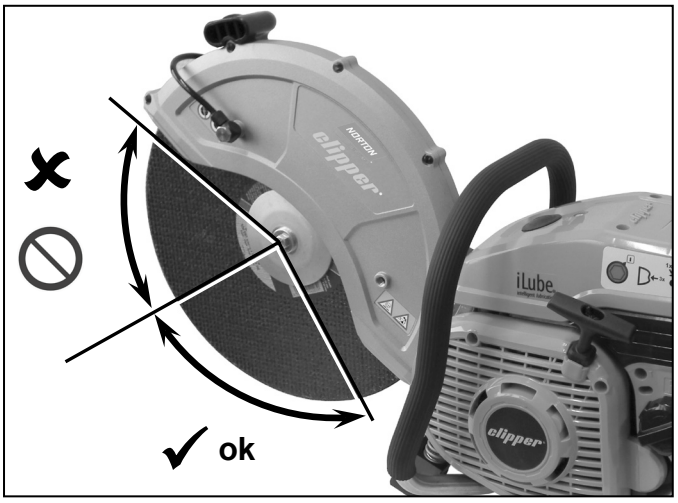
Los discos de corte de diamante solo están autorizados para el corte de materiales minerales. Durante la instalación de discos de diamante es necesario observar la dirección de rotación que se indica en el disco de corte de diamante, ya que esto disminuye el efecto de las pérdidas de diamante para cortar rápidamente.
La rotación del disco de corte cuando se instala: ➔ Cap. 5.1, página 17

Los discos de corte de resina no pueden estar expuestos a la humedad. El suministro de agua para el corte en húmedo no se debe utilizar cuando se usan discos sintéticos de corte de resina. No usar los discos de corte de resina sintética con alta humedad y la lluvia.

El husillo del dispositivo motorizado está diseñado para discos de corte con un diámetro interno de 20 mm. Discos de corte con agujeros internos de 1" solo pueden ser montados junto con la arandela adaptador de eje incluidos en la entrega.
Montaje de discos de corte con perforación interior de 1": ➔ Cap. 5.2, página 18
¡No instalar discos de corte con otras perforaciones interiores!
¡La perforación interior no puede ser modificado por perforación o acción similar!

Antes de proceder al proceso de corte, es necesario que los discos de corte funcionen a velocidad máxima por lo menos durante 60 segundos para comprobar su funcionamiento. No puede haber partes del cuerpo en el área de oscilación del disco de corte.

7.2 Área de corte permitida y peligro de rebote (Kickback) o arrastre



✘ ¡La porción superior de la hoja no puede ser utilizado para el corte!

✓ ¡Solo la porción inferior de la hoja puede ser utilizado para el corte!

¡Peligro de lesión por rebote (Kickback)!
El rebote se produce cuando la porción superior del disco de corte se utiliza para el corte.
De esta forma, el dispositivo motorizado sale disparado a gran velocidad de forma no controlada en dirección a la cabeza del usuario.

- ¡Nunca corte con la parte superior de la hoja!
- ¡Tenga mayor precaución en puntos de corte ya empezados!



¡Riesgo de lesiones por arrastre!
El arrastre se produce cuando el área de corte es estrecha (grieta o grieta bajo presión).
El dispositivo motorizado es acelerado descontroladamente con una energía muy alta.

- Ejecutar el procedimiento de corte y la utilización de áreas de corte ya empezadas siempre con velocidad máxima.
- Soportar siempre la pieza de manera que el área de corte esté bajo presión para que el disco de corte no quede atascado.
- Al inicio del proceso de corte llevar siempre la hoja con cuidado hacia la pieza, no de forma brusca.
- ¡Nunca cortar varias piezas al mismo tiempo!
- Al cortar asegurarse de que ninguna otra pieza se toca.

7.3 Comportamiento en el trabajo y la tecnología de trabajo

- Para las operaciones de corte más complejas, la dirección del corte y el orden de los cortes deben determinarse con antelación para evitar pellizcar la hoja a través de la sección a quitar y para evitar daños por caída de objetos.
- Sostener el dispositivo motorizado con ambas manos. La mano derecha sobre el mango trasero, la mano izquierda en el mango. Manejar firmemente los mangos con el pulgar.
- El dispositivo motorizado debe funcionar a la velocidad más alta posible.
- Se prohíbe el cambio de dirección (radios inferiores a 5 m [aprox. 15 ft]), la presión lateral o inclinar la unidad de motor durante el proceso de separación.
- Al cortar piezas de trabajo usar un apoyo seguro y asegurar la pieza de trabajo para evitar el deslizamiento y torsión. La pieza no se puede sujetar con el pie o por otra persona.
- Esté siempre preparado para un posible rebote de la pieza de trabajo y garantizar la posibilidad de retroceso de seguridad.
- Asegúrese de que el material separado no puede causar lesiones y o daños a la propiedad.

7.4 Cortar metal



Cuando del corte es en seco usar siempre equipo de protección respiratoria.

Los metales se calientan por la rápida rotación de la lámina situada en el punto de contacto y se funden.

- Bajar la tapa de seguridad en la medida de lo posible para conducir posibles chispas hacia delante, es decir, lejos del usuario.
- Antes del corte, determinar la distancia de corte, marca y disco de corte para velocidad media del material. Solo después de la incisión de la ranura seguir a toda velocidad y presión.
- Realizar el corte solo en vertical y horizontal. No inclinar.
- Un corte seguro y suave se consigue mejor tirando del motor hacia adelante el dispositivo controlado. Durante la marcha adelante del dispositivo motorizado no presionar adicionalmente el disco de corte contra el avance producido por la rotación del disco.
- Es preferible cortar las varillas solidas progresivamente.
- Los tubos delgados se pueden separar fácilmente con la disminución de la media.
- Tuberías de gran diámetro, como el tratamiento de las barras sólidas. Para evitar atascos y para un mejor control del proceso de separación no permitir que la cuchilla se hunda profundamente en el material. Asegúrese de que la pieza a procesar no toca los discos de presión de la fijación de la cuchilla.

- Cortar el soporte T doble o ángulo de acero en fases.
- El acero en placas o las bandas de acero se cortan como tuberías, tirando de plano, con una sección larga.
- El material bajo tensión (material soportado o en pared) debe ser primero entallado en el lado de presión y después cortado en el lado de tracción para que el disco de corte no se atasque.

7.5 Cortar materiales minerales

El corte de materiales minerales produce mucho polvo fino.
Recomendación: Para cortar materiales minerales usar el suministro de agua del dispositivo motorizado y cuchillas de corte adecuadas para corte en mojado.
Al cortar con el suministro de agua, el polvo se aglomera, la inspección visual mejora y se extender la vida útil de las cuchillas a través del efecto de enfriamiento de agua.
Abastecimiento de agua para el corte húmedo: ➔ Cap. 5.7, página 21

Pequeños trozos del material mineral pueden ser despedidos de la ranura de separación debido a la rápida rotación de la cuchilla en el punto de contacto.

- Bajar la tapa de seguridad en la medida de lo posible para conducir posible chispas hacia adelante, es decir, lejos del usuario.
- Marque la línea de corte y deje una ranura de aproximadamente 5 mm [aprox. 3/16"] de profundidad, lo que hace que la unidad de motor durante el proceso de separación posterior sea más precisa.
- Proceso de separación con movimientos hacia delante y hacia atrás.
- Al ajustar a las placas de piedra es suficiente la aplicación de una ranura plana (evitar la formación de polvo innecesaria), para después poder procederse al corte limpio en la pieza suspendida.

8 Indicaciones de funcionamiento y mantenimiento



El mantenimiento y la reparación de herramientas eléctricas modernas y sus dispositivos de seguridad requieren una formación técnica calificada y están equipadas con herramientas especiales y dispositivos de prueba.
Recomendación: Encargue todos los trabajos que no se describen en este manual y todo el trabajo para el que no se sienta capacitado, a un taller especializado autorizado por el fabricante. El personal especializado dispone de formación, experiencia y el equipamiento para que usted pueda acceder a la solución individual más económica. Le ayudará con consejos y hechos.



¡Observar las normas de seguridad en todos los trabajos de mantenimiento!



Después de un tiempo de duración de aproximadamente 5 horas, todos los tornillos y tuercas accesibles (salvo los tornillos de ajuste del carburador) para verificar si la estanqueidad y apretar si es necesario.

Mantenga la herramienta eléctrica en un lugar seco y seguro, con un tanque de combustible lleno. No debe haber fuegos abiertos o similares cerca.
Antes de un almacenamiento prolongado (más de 4 semanas), deben observarse las indicaciones en el cap. 8.10 página 40.

8.1 Limpieza y conservación



La unidad de motor debe limpiarse completamente después de cada uso y debe comprobar los daños, especialmente en los agujeros de aire de refrigeración en la caja de arranque, que debe estar limpio y libre.
En el interior del protector se forman, con el tiempo, depósitos de material (especialmente en caso de corte mojado), que pueden impedir el giro libre de la hoja.

Para su limpieza utilice solo productos de limpieza inofensivos para el medio ambiente disponibles en los negocios especializados. ¡No limpiar nunca con combustible!

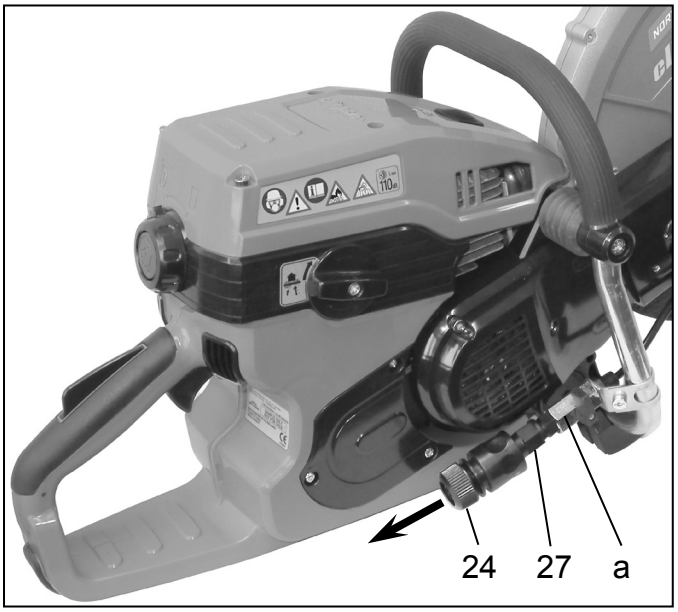
- Desmontar los discos de corte y los discos de presión. ➔ Cap. 5.3, página 18
- Retirar los depósitos de material en el interior de la cubierta con un bloque de madera o una herramienta similar.
- Limpiar el eje y todas las piezas desarmadas e inspeccionar los daños.
- Limpiar el disco de corte y fíjese si hay daños. Si encuentra algún daño, deseche inmediatamente la hoja correctamente, por lo que no se reutilizarán para la siguiente solicitud de trabajo.
- Comprobar si la tapa protectora no tiene daños. Si se encuentra algún daño, reemplace la cubierta del dispositivo motorizado por otra con cubierta protectora intacta y disponga de la dañada inmediata y correctamente.
- Volver a montar el disco de presión y todas las piezas y discos de corte. ➔ Cap. 5.1, página 17

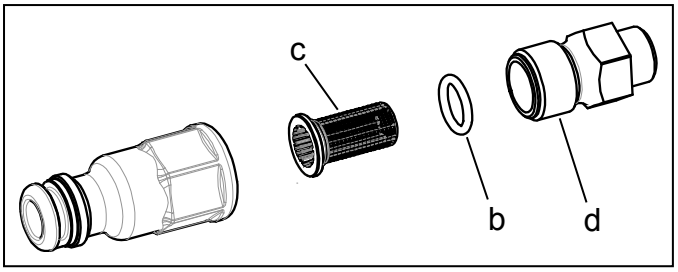
8.2 Limpiar el filtro del acoplamiento

La pieza de acoplamiento de la línea de suministro de agua para la sección húmeda está equipado con un inserto de tamiz, diseñado para evitar una oclusión de la línea de suministro de agua con las impurezas del agua suministrada.
Abastecimiento de agua para el corte húmedo: ➔ Cap. 5.7, página 21

¡Peligro de suciedad para las tuberías de agua!
Abrir las tuberías de agua solo en un entorno limpio.

Semanalmente o si no hay suficiente agua para el corte húmedo, debe limpiarse el filtro del acoplamiento y limpiarse muy bien:

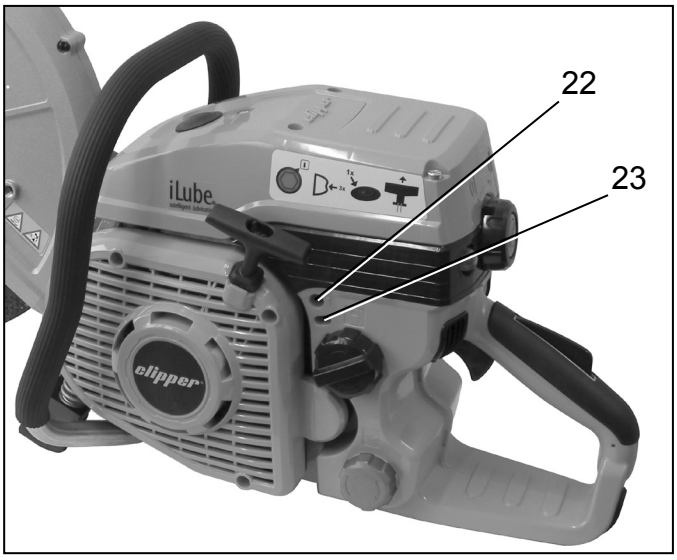




- Pare el motor y gire el interruptor giratorio a "0". Parar el motor: ➔ Cap. 6.4, página 26
- Retirar la conexión de acoplamiento de la tubería de agua. Retirar estas conexiones de acoplamiento de desconexión (24) en la dirección de la pantalla de filtro de acoplamiento (27) de la línea de suministro de agua.
- Desenrosque el colador de acoplamiento con una llave adecuada desde el conector (a) de la línea de suministro de agua.
- Aflojar el filtro de acoplamiento (27) con una llave adecuada.
- Retirar el filtro de inserción (c) del soporte de filtro (d) del acoplamiento.
- Retirar el junta (b) del filtro de inserción (c).
- Lave el filtro de inserción, la conexión de acoplamiento, ambas partes de la pieza de acoplamiento con agua limpia hasta que se extraiga toda la suciedad.
- Volver a insertar la junta (b) en el filtro de inserción (c).
- Volver a insertar el filtro de inserción (c) junto con la junta (b) en la orientación correcta (ver figura) en el soporte del filtro (d) de la pieza de acoplamiento.
- Atornillar el filtro y el acoplamiento.
- Volver a atornillar el filtro acoplador en la salida (a) de la línea de suministro de agua.
- Volver a insertar el acoplamiento de conexión.

8.3 Ajustar la marcha en vacío / carburador

¡Los discos de corte tienen que estar en ralentí!
El ajuste de ralentí debe controlarse en cada uso, y corregir si es necesario.



Con la velocidad de ralentí correcta, el motor debe funcionar sin problemas en la marcha lenta sin que el disco de corte sea accionado.

El carburador se ajusta en la fábrica.
Dependiendo de la ubicación de uso puede ser necesaria una corrección de la posición de ralentí en el tornillo de tope de ralentí "T" (22)

Los tornillos de ajuste del carburador "L" (control de mezcla de ralentí) y "H" (control de carga completa) (23) solo se deben ajustar en talleres especializados autorizados por el fabricante.

Tornillo en "T" ralentí

El tornillo de tope de ralentí se puede ajustar fácilmente con un destornillador pequeño incluido en la entrega.

Para ajustar correctamente, el filtro de aire debe estar limpio.
Mantenimiento del filtro de aire: ➔ Cap. 8.4, página 33
Espere a que el motor se caliente antes de proceder a los ajustes.

Para ajustar la velocidad de ralentí indicada en los datos técnicos (cap. 4.3, página 13) proceda de la siguiente manera, preferentemente con la ayuda de un cuentarevoluciones:

- Ralentí demasiado alto (sobre todo cuando la rueda ya está impulsado sin gas):
  ➔ Girar un poco el tornillo de tope de ralentí "T" en el sentido contrario al de las agujas del reloj.
- La velocidad de ralentí es demasiado baja (es decir, el motor en ralentí se apaga una y otra vez):
  ➔ Girar un poco el tornillo de tope de ralentí "T" en el sentido de las agujas del reloj hasta que el motor funcione al ralentí uniforme sin que se apague.

Si no se consigue un ajuste óptimo del carburador regulando el tornillo tope en vacío "T", lleve el carburador a un taller especializado autorizado por el fabricante para que lo corrijan de forma óptima.

8.4 Mantenimiento del filtro de aire



Un filtro de aire sucio reduce el rendimiento. El consumo de combustible y las emisiones contaminantes son mayores en cantidad. Además, la puesta en marcha también es difícil.

Vaciado intermedio del filtro de aire



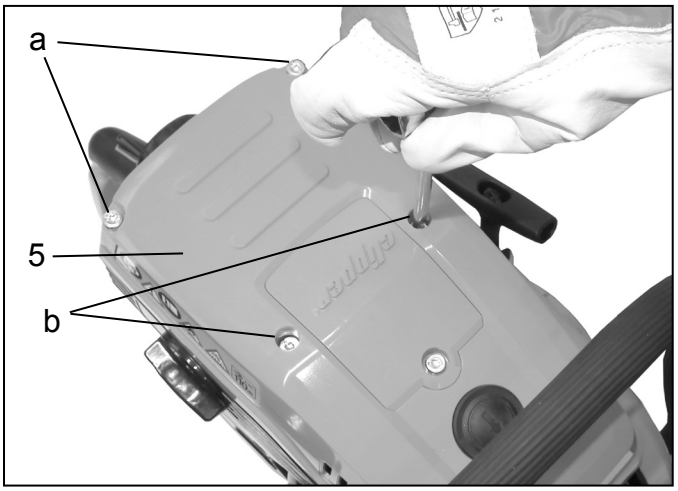
Girar botón giratorio (29), parar proceder a un vaciado intermedio del filtro de aire durante el trabajo. Se agita la caja de filtros y los filtros de aire para que caiga el polvo. Inclinar ligeramente el dispositivo motorizado hacia atrás y el polvo de la apertura de aspiración cae hacia fuera. Girar varias veces el botón si es necesario.

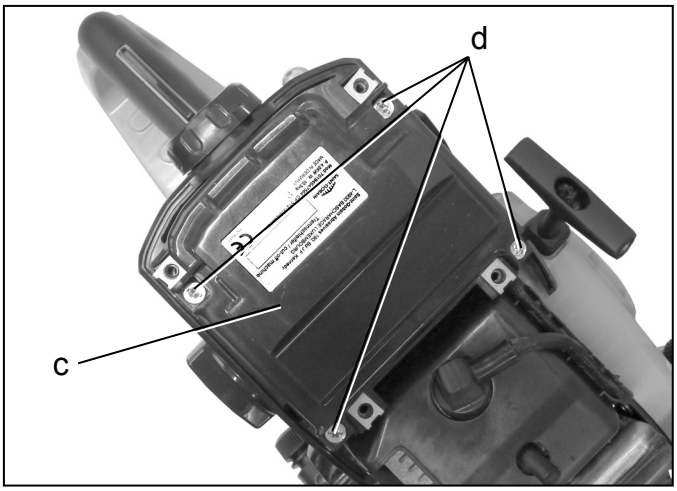
Limpieza del filtro de aire

Una vez por semana o cuando la potencia del motor disminuye de manera significativa, el filtro de aire debe ser retirado y limpiado completamente.

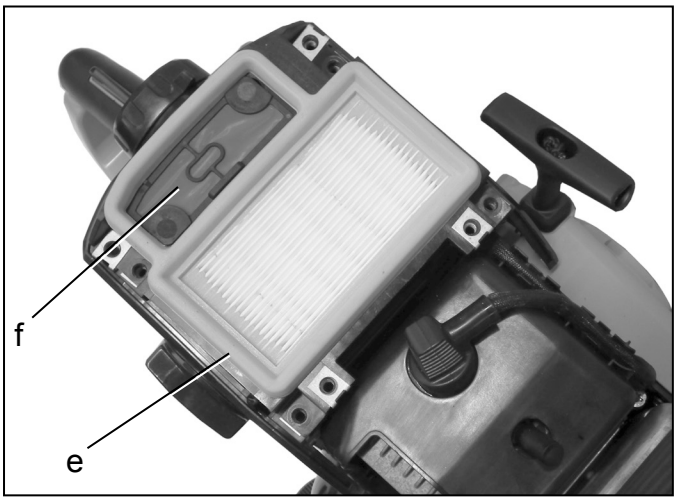


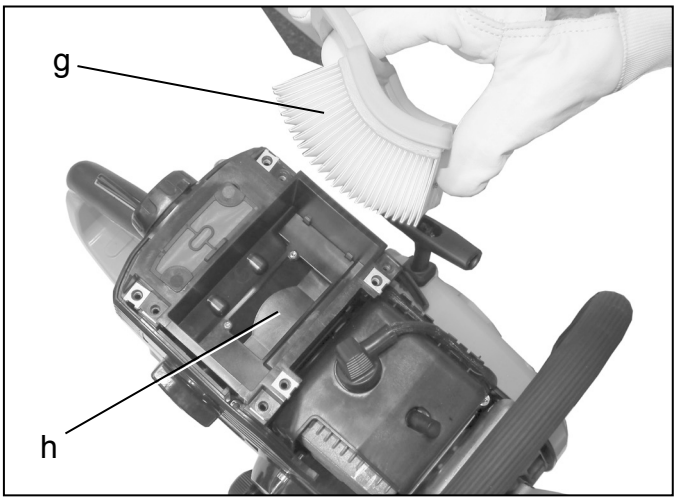
¡Peligro de contaminación en el interior de los filtros!
Retirar el capó y la tapa de la caja de filtros solo en un entorno limpio.





- Pare el motor y gire el interruptor giratorio a "0". Parar el motor: ➔ Cap. 6.4, página 26
- Desatornillar los cuatro tornillos de montaje (a) y (b) del capó (5). Retirar el capó.
- Desatornillar los cuatro tornillos de montaje (c) de la tapa de la caja del filtro de aire (d) y quite la tapa de aire caja de filtro.





La cubierta de malla fina (f) y el filtro de aire (g) no pueden limpiarse con aire comprimido o mojados.

¡Riesgo de daños en el motor debido al efecto de filtrado insuficiente!
¡Los materiales de filtro dañados deben ser reemplazados inmediatamente!

- Sujetar los filtros de aire en el marco del filtro de aire (e) y retirarlos hacia arriba.
- Un simple contacto o cepillar las capas de papel individuales (g) es lo más adecuado para para limpiar el filtro de aire.
- Tome el dispositivo motorizado con ambas manos para vaciar la caja del filtro de aire (h).
- Quitar el polvo de la cubierta de malla fina (f) cerca de la caja del filtro de aire con un cepillo seco.
- Volver a colocar el filtro de aire.
- Volver a montar la tapa.

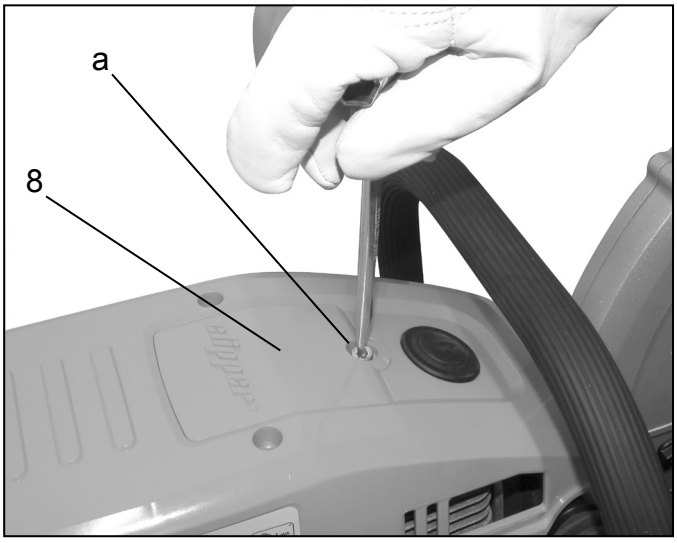
Al volver a montar la carcasa tenga en cuenta la ubicación correcta de las secciones de alojamiento, cada uno con sus tornillos y apretar todos los tornillos.
La tornillos de montaje del capó (a) y (b) no deben ser intercambiados. Los dos tornillos de fijación del capó (b) son más cortos que los tornillos (a).

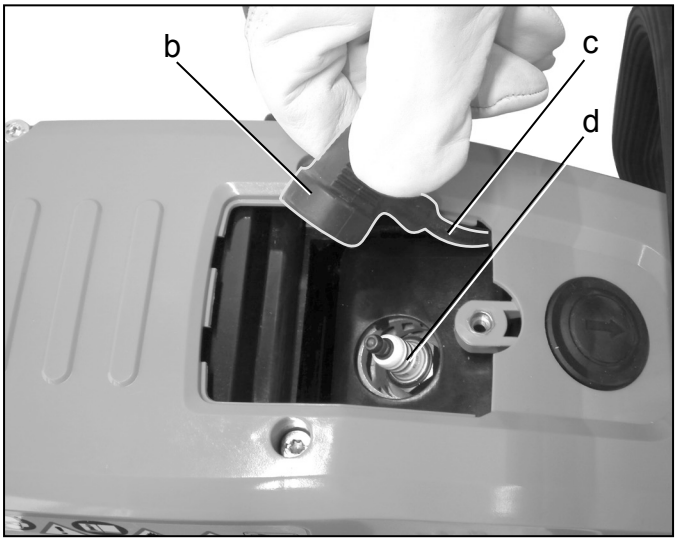
8.5 Compruebe las bujías y sustitúyalas si fuera necesario



¡Peligro de contaminación en el interior de la unidad de motor!
Abrir la tapa de la bujía solo en entorno limpio.

La bujía debe ser revisada cada 50 horas de servicio.





- Pare el motor y gire el interruptor giratorio a "0". Parar el motor: ➔ Cap. 6.4, página 26
- Desatornillar el tornillo de montaje (a), retirar la bujía aumentará el tope de (8) en el soporte y luego retírela.
- Retirar el enchufe de la bujía (b) de la bujía inferior (d).

¡Peligro de fuego causado por las chispas!
No poner el motor en marcha cuando la bujía (d) se desenrosca y el cable de encendido (c) se retira del conector.

- Desatornillar la bujía (d), retirarla y secarla bien.
- Limpie la bujía con un paño seco y verifique los electrodos. Entre los electrodos no debe haber cuerpos extraño. Cualquier cuerpo extraño debe ser retirado con un cepillo o un pincel.



0,5 mm [aprox. 0,02"]

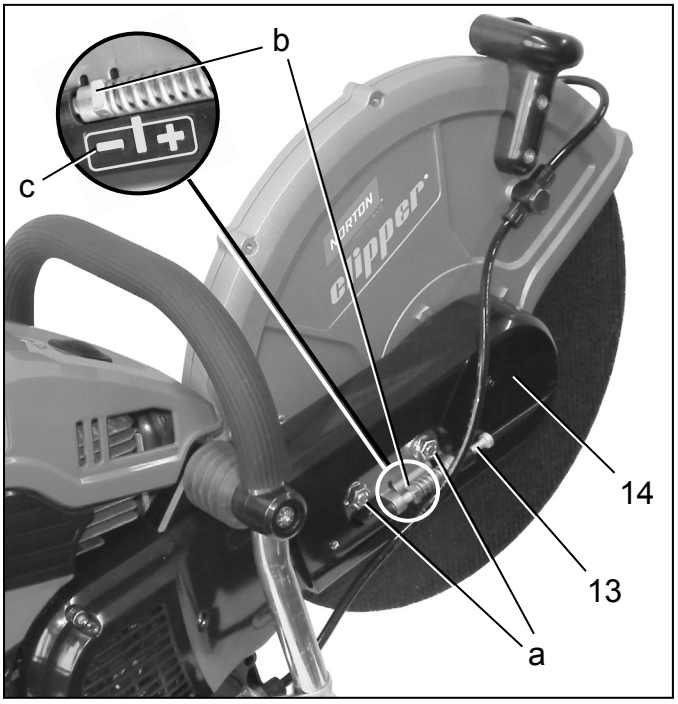
- Si el electrodo está demasiado quemado la bujía debe sustituirse de inmediato – de lo contrario, después de 100 horas.
- Reglamentación de distancia entre electrodos: 0,5 mm [aprox. 0,02"] En caso de un distancia incorrecta de los electrodos se debe cambiar la bujía. Las siguientes bujías de encendido con chispa suprimida están autorizadas para su uso en este dispositivo motorizado: BOSCH WSR6F, CHAMPION RCJ-6Y y NGK BPMR7A

  ¡No está permitido el uso de bujías de encendido de otros fabricantes!

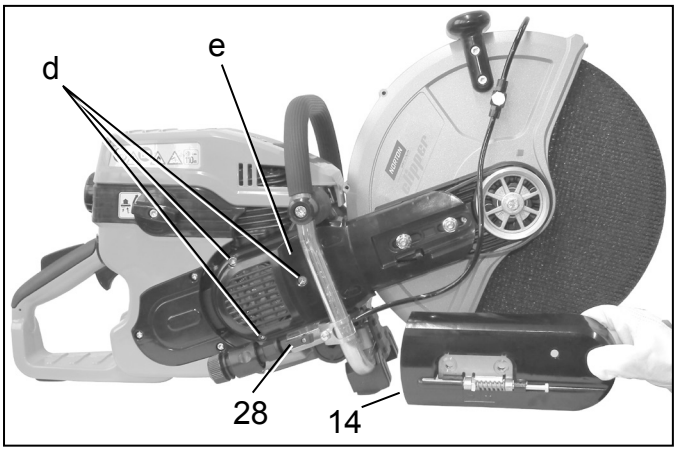
- Antes de comenzar el trabajo, compruebe la conexión correcta del cable de encendido (c) y su aislamiento intacto. No siga trabajando si el aislamiento está dañado, debe ponerse en contacto con un taller especializado autorizado por el fabricante.
- Vuelva a atornillar la bujía (d). Par de giro: 25 Nm [18,4 ft·lbf]
- Presione el enchufe de la bujía de ignición (b) en la bujía de ignición (d).
- Vuelva a montar la tapa (8) de la bujía de ignición.

8.6 Cambiar correa acanalada

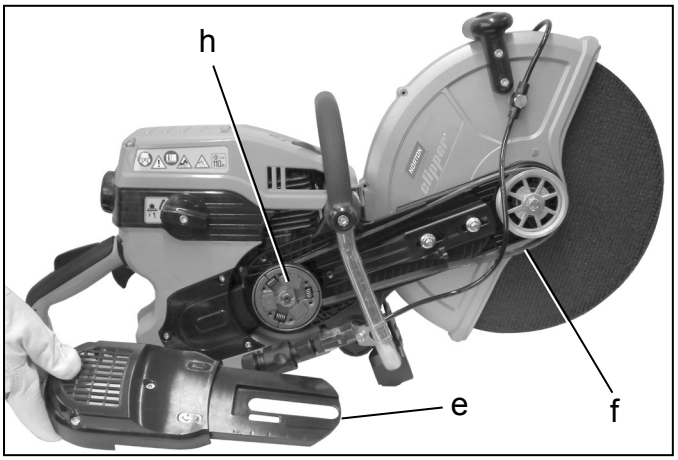
¡Riesgo de contaminación de la correa, embrague y la estructura de soporte asociada!
Retirar las tapas de acoplamiento y correa solo en un entorno limpio.



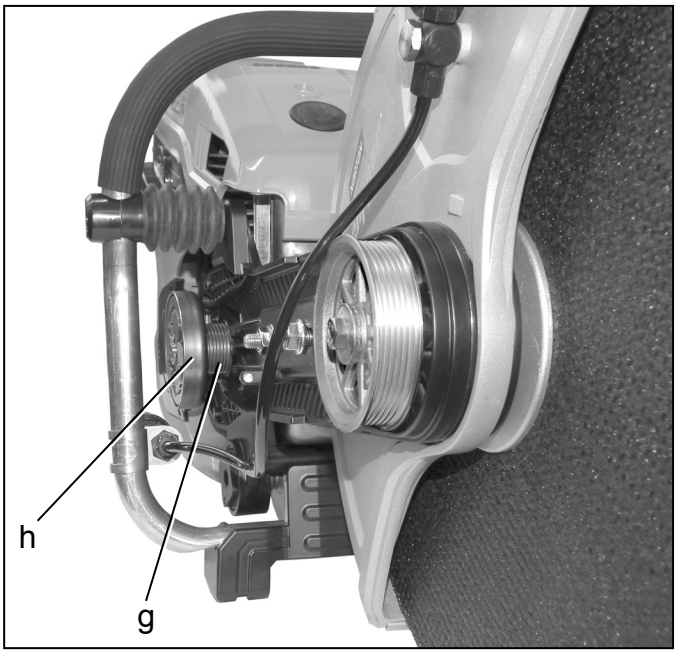
- Pare el motor y gire el interruptor giratorio a "0". Parar el motor: ➔ Cap. 6.4, página 26
- Detenga la alimentación de agua al dispositivo.
- Coloque el aparato motorizado sobre una superficie plana.
- Apriete las dos tuercas de fijación (a) de la tapa de la banda acanalada (14).
- Gire la cinta acanalada tornillo tensor (13) a la izquierda, es decir, en el sentido contrario a las agujas del reloj para disminuirla tensión de la correa.
  Gire hasta que la tuerca cuadrada (b) alcance la marca "−" (c). Al montar el separador en la posición media (véase el gráfico), la tuerca cuadrada se deja, cuando se monta en posición de fuera a la extrema derecha
- Desenrosque completamente las dos tuercas de fijación (a).
- Retire tapa de la correa acanalada (14).



- Gire las tuercas de fijación (a) de la cobertura de la correa (14) de nuevo para girar los tornillos correspondientes y apriete ligeramente para evitar que el dispositivo de separación pueda caer.
- Afloje los tres tornillos de montaje (d) de la tapa del embrague (e).
  Los tornillos solo necesitan ser sueltos hasta el momento que se pueda girar fácilmente. No es necesario desenroscar completamente los tornillos porque los mismos deben permanecer en la cubierta.



- Coloque la palanca de válvula (28) para el suministro de agua paralelo al conector, de modo que no interfiera en la siguiente etapa.
- Retire la tapa del embrague (e).
- Retire la correa vieja (f) o los restos de la misma y posibles objetos extraños.
- Limpie con un cepillo pequeño o un cepillo de la zona que ya se encuentra abierta.
- Coloque una nueva correa en el lado de entrada del embrague en la banda de rodadura (g) después de la campana de carcasa (h).
- Coloque el otro lado de la correa el lado de salida para la banda de rodadura ranurada (i) de la aleta de tira soporte.





- Verifique que la correa se mueve libremente. Corrija el posicionamiento de la correa.
- Vuelva a colocar la tapa del embrague y compruebe si la correa se mueve libremente. Vuelva a retirar la tapa del embrague si es necesario y corrija la posición de la correa.
- Vuelva a apretar los tres tornillos de montaje (d) de la tapa del embrague (e).
- Verifique que la correa aún se mueve libremente. Vuelva a aflojar los tornillos del embrague si es necesario y corrija la posición de la correa.
- Vuelva a aflojar las dos tuercas de fijación (a) de la tapa de la banda acanalada.
- Vuelva a colocar la cobertura de banda acanalada (14).
- Vuelva a apretar las dos tuercas de fijación (a) de la tapa de la banda acanalada. Apriete las tuercas con la mano con la misma firmeza que la tensión de la correa se puede ajustar.
- Gire la cinta acanalada tornillo tensor (13) a la derecha, es decir, en el sentido de las agujas del reloj para aumentar la tensión de la correa. La tensión correcta se consigue cuando la tuerca cuadrada (b) está sobre el marcador central, en otras palabras entre "+" y "−".
- Apriete las dos tuercas de fijación (a) de la tapa de la banda acanalada.
- Vuelva a cerrar la palanca de la válvula palanca para cerrar el suministro de agua, es decir, colóquela transversalmente en el conector.

8.7 Cambiar el filtro del combustible



El cambio del filtro de combustible en el tanque de combustible tiene que ser asignado en el marco del servicio anual de clientes en un taller especializado autorizado por el fabricante.

8.8 Plan de mantenimiento



La siguiente información se basa en condiciones normales de funcionamiento. En condiciones especiales, tales como largas horas de trabajo diarias se deben acortar los intervalos de mantenimiento.

Realice los trabajos de mantenimiento que figuran a continuación regularmente. Lleve el aparato a un taller especializado autorizado por el fabricante si no puede llevar a cabo todos los trabajos personalmente.

El propietario del dispositivo motorizado deberá responder por:

- Los desperfectos causados por trabajos de mantenimiento y reparación no realizados por un experto, o a su debido tiempo
- Los daños indirectos, incluida la corrosión, derivados de no haber guardado el aparato adecuadamente.

		Una vez cada 5 horas de trabajo	Antes y durante la operación	Cada semana	Cada 50 h de funcionamiento	Cada 100 h de funcionamiento	Cuando sea necesario	Al poner en marcha después de la tiempo sin utilización / anualmente
Aberturas de enfriamiento de aire en la carcasa de arranque	Limpiar		**X**				**X**	
Carburante ➔ Cap. 8.3, página 32	Comprobar en vacío		**X**					
	Ajuste marcha en vacío (tornillo "T")						**X**	
	Ajuste del carburador (tornillo "L"/"H") (sólo para talleres)						**X**	
Filtro de aire ➔ Cap. 8.4, página 33	Vaciado intermedio del filtro de aire		**X**				**X**	
	Limpiar el filtro de aire a fondo			**X**			**X**	
	Cambiar						**X**	
Filtro de la tubería de alimentación de agua ➔ Cap. 8.2, página 32	Limpiar			**X**			**X**	
Bujía de encendido ➔ Cap. 8.5, página 35	Compruebe la estanqueidad del cable de ignición de la bujía y el zócalo		**X**				**X**	
	Compruebe la distancia entre los electrones y reajústela si fuese necesario				**X**			**X**
	Cambiar					**X**	**X**	
Todos los tornillos que pueden alcanzarse (a excepción de los tornillos ajuste)	Apretar	**X**					**X**	**X**
Piezas de control (botón/interruptor de parada, palanca del acelerador, bloqueo del acelerador, encendido)	Compruebe funcionamiento		**X**					
Dispositivo motorizado completo	Inspección visual de estado • Compruebe el disco de corte y el silenciador cuanto a daños • Compruebe la estanqueidad de la tapa del tanque		**X**					
	• Compruebe la correa acanalada ➔ Cap. 5.6, página 21		**X**					
	Limpie			**X**			**X**	**X**

Además, en el marco del servicio anual de clientes se deben solicitar los siguientes servicios a un taller especializado autorizado por el fabricante:

- Verificación completa de la unidad de motor completo
- Limpieza profesional del motor (tanque de combustible, aletas del cilindro, …)
- Inspección y posible sustitución de las piezas de desgaste, sobre todo cambio anual del filtro de combustible
- Ajuste óptimo del carburador

8.9 Sugerencias de autoayuda

Posible funcionamiento incorrecto: 

- El motor no arranca
  - Interruptor de parada giratorio
    - ➢ Poner el interruptor de parada giratorio en la posición "1" ..... ➔ cap. 6.1, página 25
  - Bujía de encendido
    - ➢ Limpiar y sustituir ..... ➔ cap. 8.5, página 35
  - Combustible viejo
    - ➢ Vaciar el tanque y limpiarlo, llenarlo con combustible nuevo ..... ➔ cap. 5.5, página 19
- El disco de corte no se acelera adecuadamente
  - Cuerpos extraños dentro de la cubierta protectora
    - ➢ Limpiar la tapa de protección ..... ➔ cap. 8.1, página 31
  - Tensión de la correa acanalada es demasiado baja
    - ➢ Ajustar correctamente la tensión de la correa acanalada ..... ➔ cap. 5.6, página 21
- El disco de corte se acciona en ralentí
  - Tornillo en "T" ralentí
    - ➢ Ajustar correctamente el tornillo en "T" ralentí ..... ➔ cap. 8.3, página 32
  - Embrague defectuoso
    - ➢ Taller de servicio
- Rendimiento bajo del motor
  - Filtro de aire obstruido
    - ➢ Limpiar muy bien el filtro de aire ..... ➔ cap. 8.4, página 33
  - Ajustes del carburador (ajustes L/H)
    - ➢ Taller de servicio
- Agua insuficiente o inexistente en el corte húmedo
  - Palanca de la válvula de la línea de suministro de agua no está abierta
    - ➢ Abrir la palanca de válvulas ..... ➔ cap. 5.7, página 21
  - Conexión del suministro de agua está cerrado
    - ➢ Suministro de agua abierta
  - Tanque de presión del suministro de agua vacío o sin presión
    - ➢ Completar con el suministro de agua o restaurar la presión
  - Filtro sucio
    - ➢ Limpiar muy bien el filtro ..... ➔ cap. 8.2, página 32
- Cambios en los niveles de ruido y el motor no alcanza alta velocidad (sólo para los modelos CP512-300i y CP514-350i)
  - No hay suficiente aceite en el tanque de aceite del motor
    - ➢ Llenar con aceite de motor ..... ➔ cap. 5.5, página 19

8.10 Puesta fuera de servicio y almacenamiento

Antes de la puesta fuera de servicio y almacenamiento del dispositivo motorizado este debe limpiarse a fondo y comprobar si hay daños.
Limpieza y conservación: ➔ Cap. 8.1, página 31

Guarde siempre el dispositivo motorizado en un lugar seco. No debe haber fuegos abiertos o similares cerca. Debe evitarse el uso no autorizado, especialmente por parte de los niños.

Antes de un almacenamiento prolongado (más de 4 semanas), se deben vaciar y limpiar los depósitos de material de consumo en un lugar bien ventilado. Arrancar el motor con un tanque de combustible vacío y vaciar el carburador hasta que el motor se detenga. De lo contrario podrían obstruir los restos de aceite de la mezcla del combustible los inyectores del carburador y dificultar un arranque posterior.

9 Garantía

El fabricante garantiza la más alta calidad y cubrirá los gastos derivados de mejoras al cambiar las piezas defectuosas en el caso de defectos del material o de fabricación que surjan después del día de adquisición del aparato, durante el período de garantía. Tenga en cuenta que en algunos países rigen condiciones de garantía específicas. En caso de tener dudas, consulte a su distribuidor. Como distribuidor del producto, será el responsable de la garantía correspondiente.
Comprenda que la garantiá del fabricante no será válida para daños en los siguientes casos:

- No hacer caso a las indicaciones dadas en el manual de instrucciones.
- No se realicen los trabajos de mantenimiento y limpieza necesarios.
- Se originen daños debidos a un ajuste inadecuado del carburador.
- Se ocasione un desgaste derivado del uso normal del aparato.
- Se produzca un exceso de uso manifiesto del aparato por haberlo utilizado de forma continuada sobrepasando el límite superior de potencia.
- Se utilicen herramientas de trabajo no autorizadas.
- Se haga uso de la fuerza, manipulación inadecuada, uso para fines inadecuados o accidente.
- Se ocasionen daños provocados por el recalentamiento debido a la suciedad acumulada en la carcasa del ventilador.
- Reparación por personal no autorizado.
- Se utilicen piezas de recambio no adecuadas o no originales, siempre que estas hayan provocado los desperfectos.
- Se usen combustibles no adecuados o mezclados entre sí.
- Se ocasionen daños debidos a condiciones de uso derivados del alquiler.

Los trabajos de limpieza, conservación y ajuste no están incluido en la garantía.
Los servicios de garantía se deben solicitar a un taller especializado autorizado por el fabricante.

10 Piezas de desgaste

Varios componentes están sujetos a desgaste específico o desgaste normal y pueden necesitar ser reemplazados en el tiempo. Las siguientes piezas no están incluidas en la garantía del fabricante:

- Materiales de consumo
- Filtro de aire
- Filtro de combustible
- Acoplamiento
- Bujía de encendido
- Dispositivo de cebado
- Disco de corte

11 Declaración de garantía de controles de emisiones

11.1 Sus derechos y obligaciones respecto a la garantía

La EPA (Agencia de Protección Ambiental de Estados Unidos) y Saint-Gobain Abrasives, Inc. se complacen en explicar la garantía del sistema de control de emisiones de su motor pequeño no destinado al transporte de 2013 o posterior. En los Estados Unidos, todos los motores pequeños no destinados al transporte deben diseñarse, ensamblarse y equiparse al momento de la venta, de modo que cumplan los reglamentos de la EPA de Estados Unidos respecto a dicho tipo de motor. El motor debe estar libre de defectos en los materiales y en la mano de obra que pudieran ocasionar que deje de cumplir los reglamentos y las normas de la EPA de Estados Unidos durante los primeros dos (2) años de uso a partir de la fecha de venta al consumidor final. Saint-Gobain Abrasives, Inc. debe garantizar el sistema de control de emisiones de su motor pequeño no destinado al transporte por el período de tiempo mencionado más abajo, siempre y cuando no haya habido abuso, negligencia o mantenimiento indebido en dicho motor. El sistema de control de emisiones incluye piezas tales como el carburador y el sistema de arranque. La garantía de emisiones podría también incluir mangueras, conectores y otros componentes relacionados con las emisiones. Donde exista una condición que no pueda garantizarse, Saint-Gobain Abrasives, Inc. reparará su motor pequeño no destinado al transporte sin costo alguno para usted. Los gastos cubiertos bajo la garantía incluyen el diagnóstico, las piezas y la mano de obra.

11.2 Cobertura de garantía del fabricante

Los motores pequeños no destinados al transporte de 2013 o posteriores tienen una garantía de dos (2) años. Si cualquier pieza del motor relacionada con emisiones (como se menciona anteriormente) está defectuosa, la misma será reparada o reemplazada por Saint-Gobain Abrasives, Inc. sin cargo alguno.

11.3 Garantía y responsabilidades del propietario

En calidad de propietario del motor pequeño no destinado al transporte, usted es responsable de realizar el mantenimiento requerido que se menciona en el Manual del operador. Saint-Gobain Abrasives, Inc. recomienda que conserve todos los recibos que cubran el mantenimiento del motor pequeño no destinado al transporte, aunque Saint-Gobain Abrasives, Inc. no puede negar la garantía por el puro hecho de que no se presenten recibos o de que usted no se asegure de realizar todo el mantenimiento programado. Sin embargo, como propietario del motor pequeño no destinado al transporte, usted debe tener en cuenta que Saint-Gobain Abrasives, Inc. podría negarle la cobertura de garantía si dicho motor o alguna parte de él ha dejado de funcionar a causa de abuso, negligencia, mantenimiento indebido, modificaciones no aprobadas o uso de piezas no hechas o no autorizadas por el fabricante original del equipo. Usted tiene la responsabilidad de llevar el motor pequeño no destinado al transporte a un centro de servicio autorizado por Saint-Gobain Abrasives, Inc. en cuanto se presente cualquier problema. Las reparaciones según garantía deben completarse dentro de un lapso de tiempo razonable que no sobrepase los 30 días.
Si tiene alguna duda en cuanto a sus derechos y responsabilidades respecto a la garantía, póngase en contacto con el centro de servicio autorizado más cercano o llame a Saint-Gobain Abrasives, Inc. al 1-800-554-8003, o bien, visite www.nortonconstructionproducts.com.

11.4 Cobertura ofrecida por Saint-Gobain Abrasives, Inc.

Saint-Gobain Abrasives, Inc. garantiza al comprador final y a todo comprador subsiguiente que el motor pequeño no destinado al transporte se diseñará, se ensamblará y se equipará al momento de la venta de modo que cumpla todos los reglamentos y las normas de emisiones de la EPA de Estados Unidos que correspondan. Saint-Gobain Abrasives, Inc. también garantiza al comprador final y a todo comprador subsiguiente que el motor está libre de defectos en los materiales, en el diseño y en la mano de obra que pudieran ocasionar que el motor deje de funcionar de conformidad con las emisiones establecidas por la EPA de Estados Unidos durante un período de tiempo de dos (2) años.

11.5 Período de garantía

Si se descubre que alguno de los componentes relacionados con las emisiones está defectuoso durante el período de garantía de emisiones, Saint-Gobain Abrasives, Inc. reemplazará esa pieza sin cargo alguno para el propietario. El período de garantía comienza en la fecha en que se entregue el motor pequeño no destinado al transporte. Cualquier pieza bajo garantía que no se programe para el reemplazo como parte del mantenimiento requerido, o bien, que se programe solo para la inspección regular con fines de “reparación o reemplazo como sea necesario”, tendrá una garantía de dos (2) años. Cualquier pieza bajo garantía que se programe para el reemplazo como parte del mantenimiento requerido tendrá garantía durante el período de tiempo hasta el primer punto de reemplazo programado de esa pieza.

11.6 Duración de la cobertura

Saint-Gobain Abrasives, Inc. garantiza al comprador final y a todo comprador subsiguiente que el motor está libre de defectos en los materiales y en la mano de obra que pudieran ocasionar que el motor deje de funcionar durante un período de tiempo de dos (2) años.

11.7 Ámbito de cobertura

Se realizará la reparación o el reemplazo de cualquier pieza bajo garantía relacionada con emisiones sin cargo alguno para el propietario por medio de un centro de servicio aprobado por Saint-Gobain Abrasives, Inc. Si tiene alguna duda en cuanto a sus derechos y responsabilidades respecto a la garantía, póngase en contacto con el centro de servicio autorizado más cercano o llame a Saint-Gobain Abrasives, Inc. al 1-800-554-8003, o bien, visite www.nortonconstructionproducts.com.

La lista siguiente incluye las piezas cubiertas por la garantía de defectos en componentes relacionados con emisiones.
Algunas de las piezas de la lista podrían requerir mantenimiento programado y se garantizan hasta el primer punto de reemplazo programado de la pieza correspondiente.

- Sistema de medición de combustible
  - Carburador y piezas internas
  - Filtro de combustible, si corresponde
  - Control de aceleración, si corresponde
  - Sistema ahogador, si corresponde
- Sistema de inducción de aire
  - Placa de limpiador de aire, filtro de aire
  - Caja de limpiador de aire, colector de admisión
- Sistema de arranque
  - Bujías
  - Volante magnético
  - Bobina de arranque
- Diversos elementos utilizados en los sistemas anteriores
  - Mangueras de combustible
  - Pinzas y juntas de sellado

11.8 Diagnóstico

No se cobrará al propietario por la mano de obra de diagnóstico que conduzca a la determinación de que la pieza bajo garantía está defectuosa, siempre y cuando se realice el diagnóstico por medio de un centro de servicio aprobado por Saint-Gobain Abrasives, Inc. No obstante, si se presenta un reclamo de garantía y se prueba que la máquina no está defectuosa, Saint-Gobain Abrasives, Inc. le cobrará a usted por el costo de la prueba de emisiones. El diagnóstico mecánico se realizará mediante un centro de servicio autorizado por Saint-Gobain Abrasives, Inc. La prueba de emisiones se puede efectuar en Saint-Gobain Abrasives, Inc. o en cualquier laboratorio de pruebas de emisiones independiente.

11.9 Daños indirectos

Saint-Gobain Abrasives, Inc. podría ser responsable de los daños ocasionados en otros componentes del motor a causa de la falla de alguna pieza que aún esté bajo garantía.

11.10 Limitaciones

No se cubre ninguna falla que sea ocasionada por abuso, mantenimiento indebido o negligencia. Tampoco se cubren las reparaciones o los reemplazos que no se apeguen a las especificaciones de Saint-Gobain Abrasives, Inc. que tienen incidencia sobre el desempeño o la durabilidad, u otras modificaciones no aprobadas por escrito por Saint-Gobain Abrasives, Inc.
Saint-Gobain Abrasives, Inc. no será responsable por fallas en los componentes bajo garantía relacionados con emisiones, que hayan sido ocasionadas por el uso de piezas añadidas o modificadas.

11.11 Cómo presentar un reclamo

Lleve el producto a cualquier centro de servicio autorizado por Saint-Gobain Abrasives, Inc. junto con el comprobante de compra.
Si tiene alguna duda en cuanto a cómo presentar un reclamo de garantía de emisiones o respecto a los derechos de garantía, póngase en contacto con el centro de servicio autorizado más cercano o llame a Saint-Gobain Abrasives, Inc. al 1-800-554-8003, o bien, visite www.nortonconstructionproducts.com.

11.12 Declaración de mantenimiento

El propietario de este producto es responsable de todo el mantenimiento que se requiere, tal como se estipula en el manual de operación.

Saint-Gobain Abrasives, Inc.
2770 West Washington Street
Stephenville, TX 76401
USA

Tel: (800) 554-8003
Fax: (800) 443-1092
e-mail: cpdinquiry@saint-gobain.com

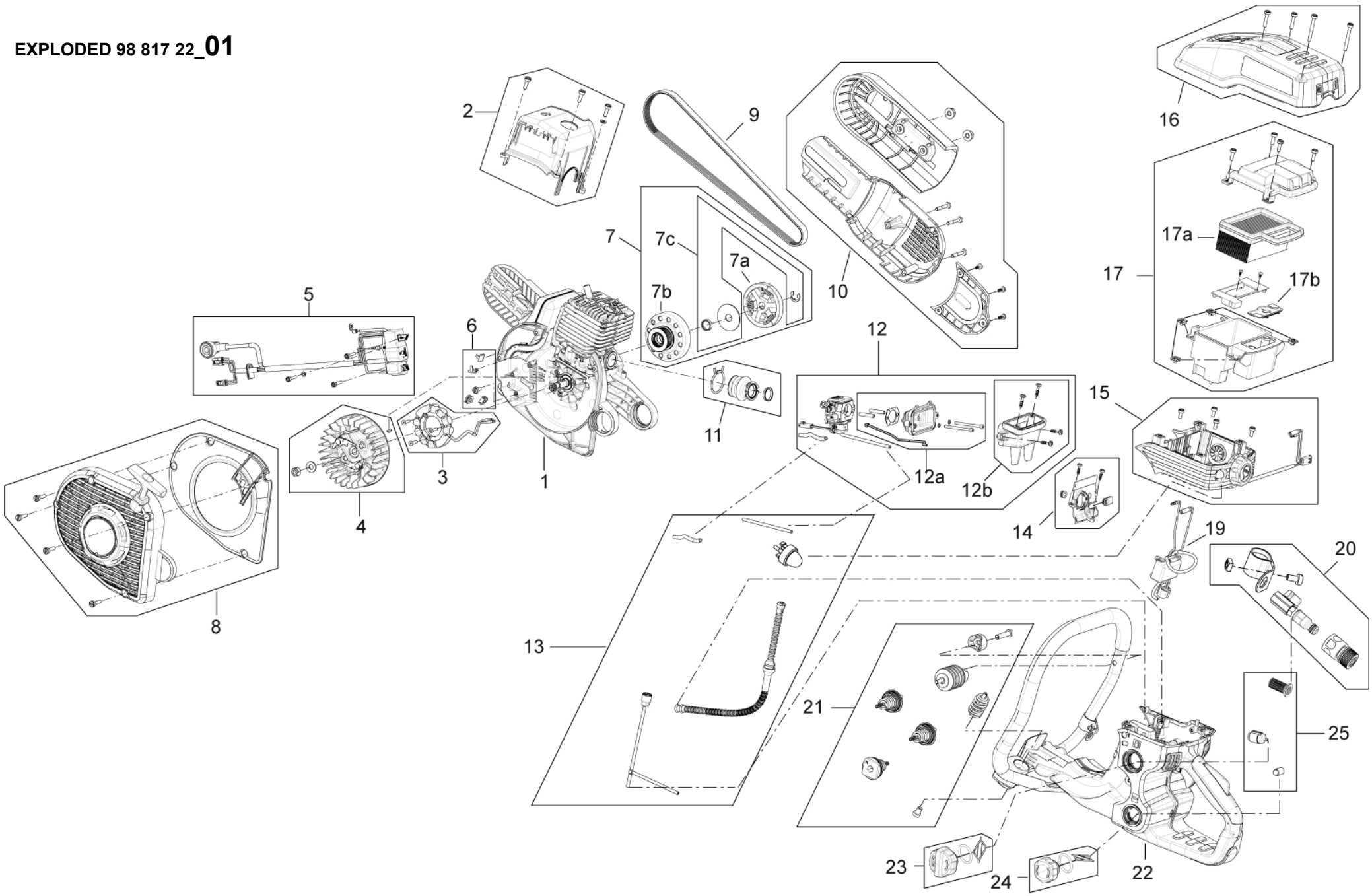
CP512–300i / CP514–350i

SPARE PART LIST



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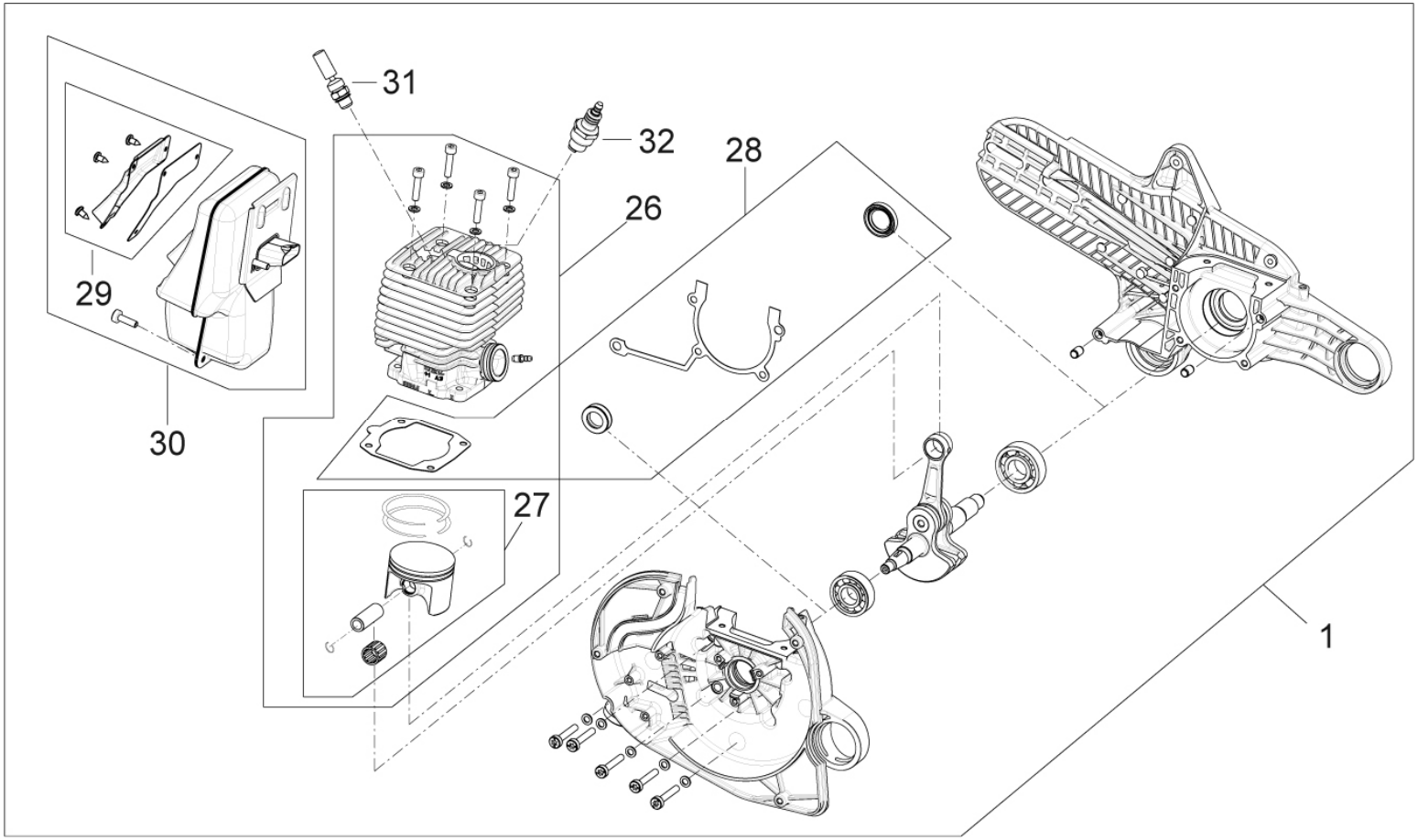
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EXPLODED 98 817 22_01

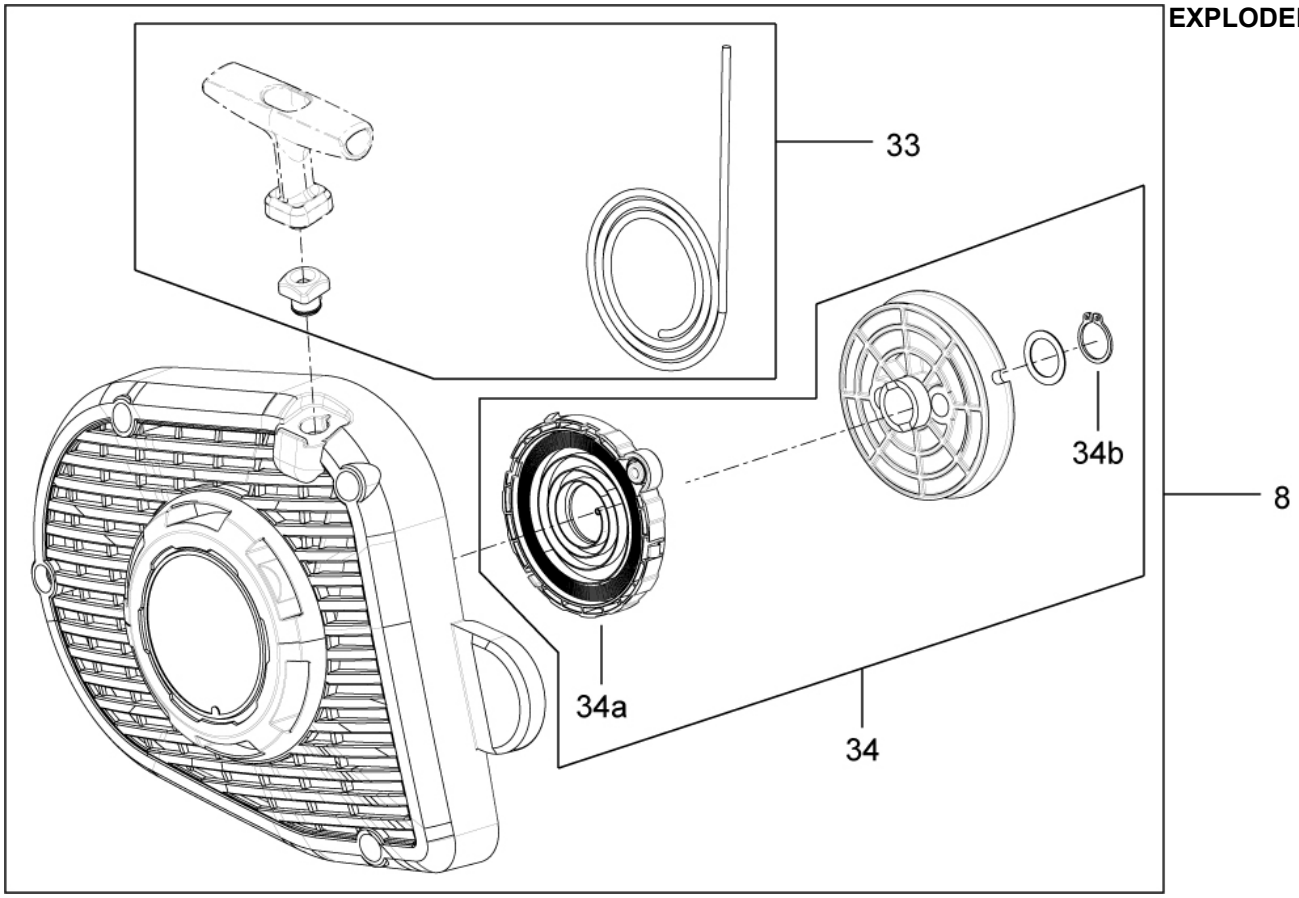
Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
1	510106939	Engine complete	Moteur complet	Motor komplett	S
2	510106940	Cylinder cover complete	Couverture de cylindre complet	Zylinderhaube komplett	S
3	510107060	Generator complete	Générateur complet	Generator komplett	S
4	510107061	Flywheel complete	Volant complet	Lüfterrad komplett	S
5	510107062	Ignition complete	Allumage complet	Zündung komplett	S
6	510106941	Fixing kit	Fixation kit	Befestigung Kit	S
7	510106942	Clutch complete	Embrayage complet	Kupplung komplett	W
7a	510115835	Centrifugal clutch	Embrayage centrifuge	Kupplung Fliehkraft	W
7b	510115838	Clutch drum	Cloche d'embrayage	Kupplungsglocke	W
7c	510115839	Clutch accessories	Accessoire d'embrayage	Kupplung Zubehör	W
8	510106943	Starter complete	Démarreur complet	Starter komplett	S
9	510106974	Belt	Courroie	Rippenband	W
10	510106975	Right cover complete	Capot droit complet	Rippenbandabdeckung komplett	S
11	510106976	Suction hose complete	Tuyau d'aspiration complet	Ansaugschlauch komplett	S
12	510107063	Carburetor complete	Carburateur complet	Vergaser komplett	S
12a	510117467	Compensation system	Systeme de compensation	Expansionskammer	S
12b	510117466	Suction elbow	Coude d' aspiration	Ansaugkrümmer	S
13	510114418	Hose kit	Tuyaux kit	Schlauch Kit	S
14	510107065	Flange ring complete	Anneaux de flasque complet	Flanschring komplett	S
15	510107066	Console complete	Console complet	Mittelkonsole komplett	S
16	510107007	Cover complete	Couverture complet	Haube komplett	S
17	510107008	Air filter box complete	Boîte de filtre à air complet	Filtergehäuse komplett	S
17a	510107009	Air filter	Filtre à air	Luftfilter	W
17a	510107010	Air filter x 10 kit	Filtre à air X 10 kit	Luftfilter x 10 Kit	W
17a	510107011	Air filter x 20 kit	Filtre à air X 20 kit	Luftfilter x 20 Kit	W
17b	510116081	Secondary air filter (set of 5)	Filtre a air secondaire (jeu de 5)	Siebeinsatz x 5	W
19	510107067	Electronic box	Boîtier électronique	Elektronikbox	S
20	510107012	Water connection EU ½ '' complete	Connexion de l'eau EU ½ '' complet	Wasserset EU ½ '' komplett	W
20	510107853	Water connection US ¾ '' complete	Connexion de l'eau US ¾ '' complet	Wasserset US ¾ '' komplett	W
21	510107013	Spring kit	Ressort kit	Dämpfungsfedern Kit	S
22	510107068	Grip complete	Poignée complet	Griffeinheit komplett	S
23	510107015	Tank cap complete	Bouchon de reservoir complet	Tankverschluss Kraftstoff komplett	W
24	510107073	Oil tank cap complete	Bouchon de réservoir d'hule complet	Tankverschluss Öl komplett	W
25	510107072	Filter kit	Filtre kit	Filter Kit	W

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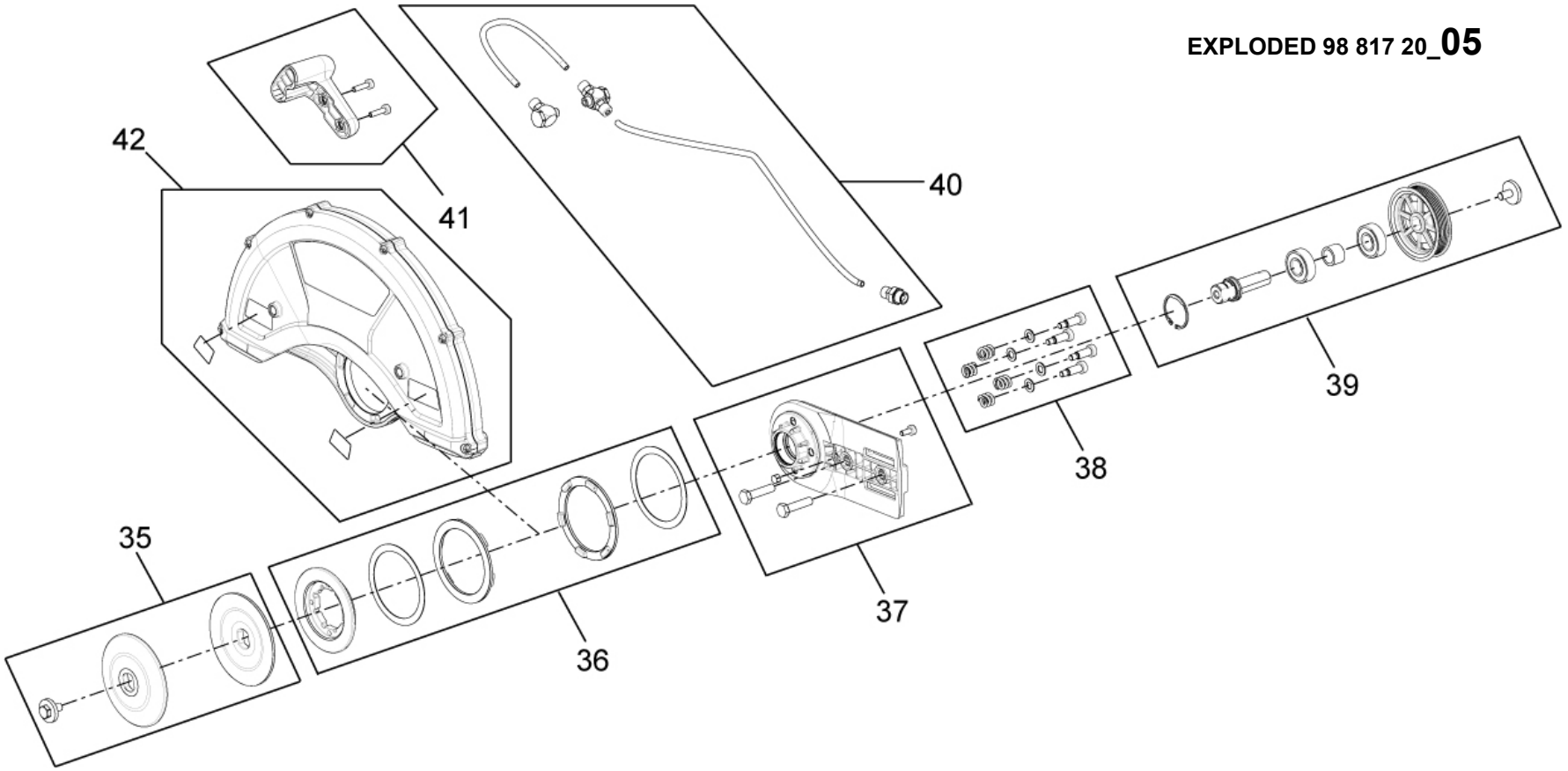
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1	510106939	Engine complete	Moteur complet	Motor komplett	S
26	510107017	Top engine complete	Moteur supérieur complet	Zylinder+Kolben Reparaturkit komplett	S
27	510107018	Piston complete	Piston complet	Kolben komplett	S
28	510107019	Seal kit	Joint kit	Dichtung Kit	S
29	510107020	Spark Arrestor kit	Intercepteur d'étincelle kit	Funkenschutzsieb Kit	W
30	510107022	Muffler complete	Silencieux complet	Auspuff komplett	S
31	510107023	Decompression valve	Valve de decompression	Dekompressionsventil	S
32	510107024	Spark plug	Bougie d'allumage	Zündkerze	W

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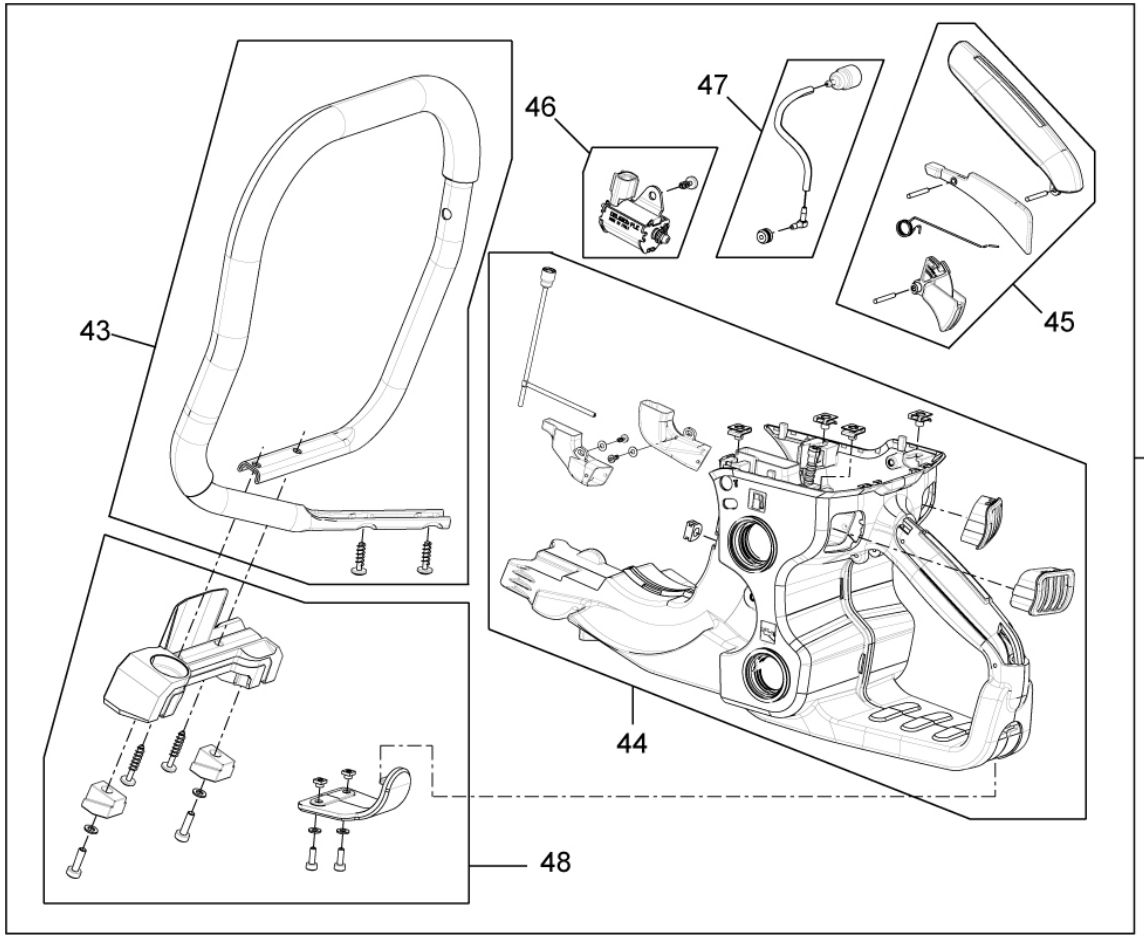


Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
8	510106943	Starter complete	Démarreur complet	Starter komplett	S
33	510112800	Starter rope and grip	Corde de démarreur e poignée	Starterseil und Griff	W
34	510107035	Spring/Pulley complete	Ressort/ Poulie complet	Seilrolle komplett	W
34a	510115843	Rewind spring	Ressort de rappel	Rückholfeder vollst.	W
34b	510115844	Circlip	Circlip	Sicherungsring	W

EXPLODED 98 817 20_05



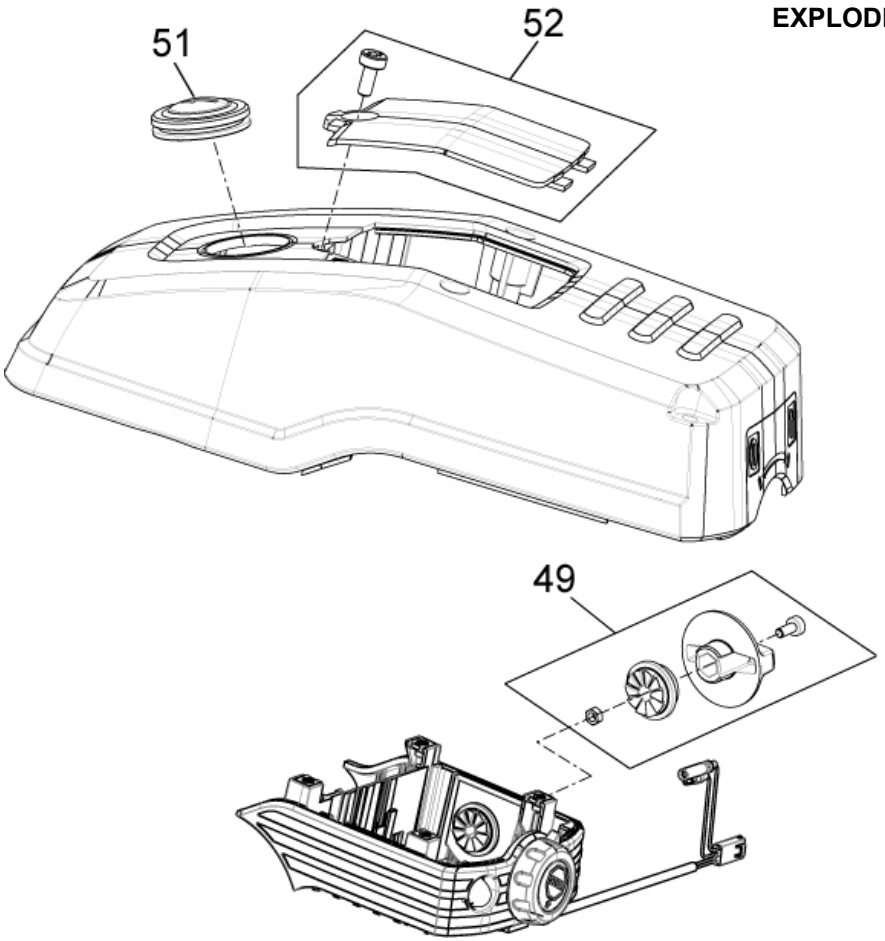
Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
35	510107036	Flange kit	Flasque kit	Flansch Kit	W
36	510107037	Pressure ring kit	Anneau de pression kit	Druckring Kit	S
37	510107038	Drive unit complete	Boîte de commande complet	Antriebseinheit komplett	S
38	510107039	Spring kit	Ressort kit	Feder Kit	S
39	510107040	Pulley/Axle kit	Poulie/ Axe kit	Riemenscheibe Kit	S
40	510107041	Water system complete	Circuit de refroidissement complet	Wassersystem komplett	S
41	510107042	Guard handle complete	Poignée de garde complet	Verstellgriff komplett	S
42	510107043	Blade Guard 12-300 complete	Garde de lame 12-300 complet	Schutzhaube 12-300 komplett	S
42	510107044	Blade Guard 14-350 complete	Garde de lame 14-350 complet	Schutzhaube 14-350 komplett	S



EXPLODED 98 817 22_06

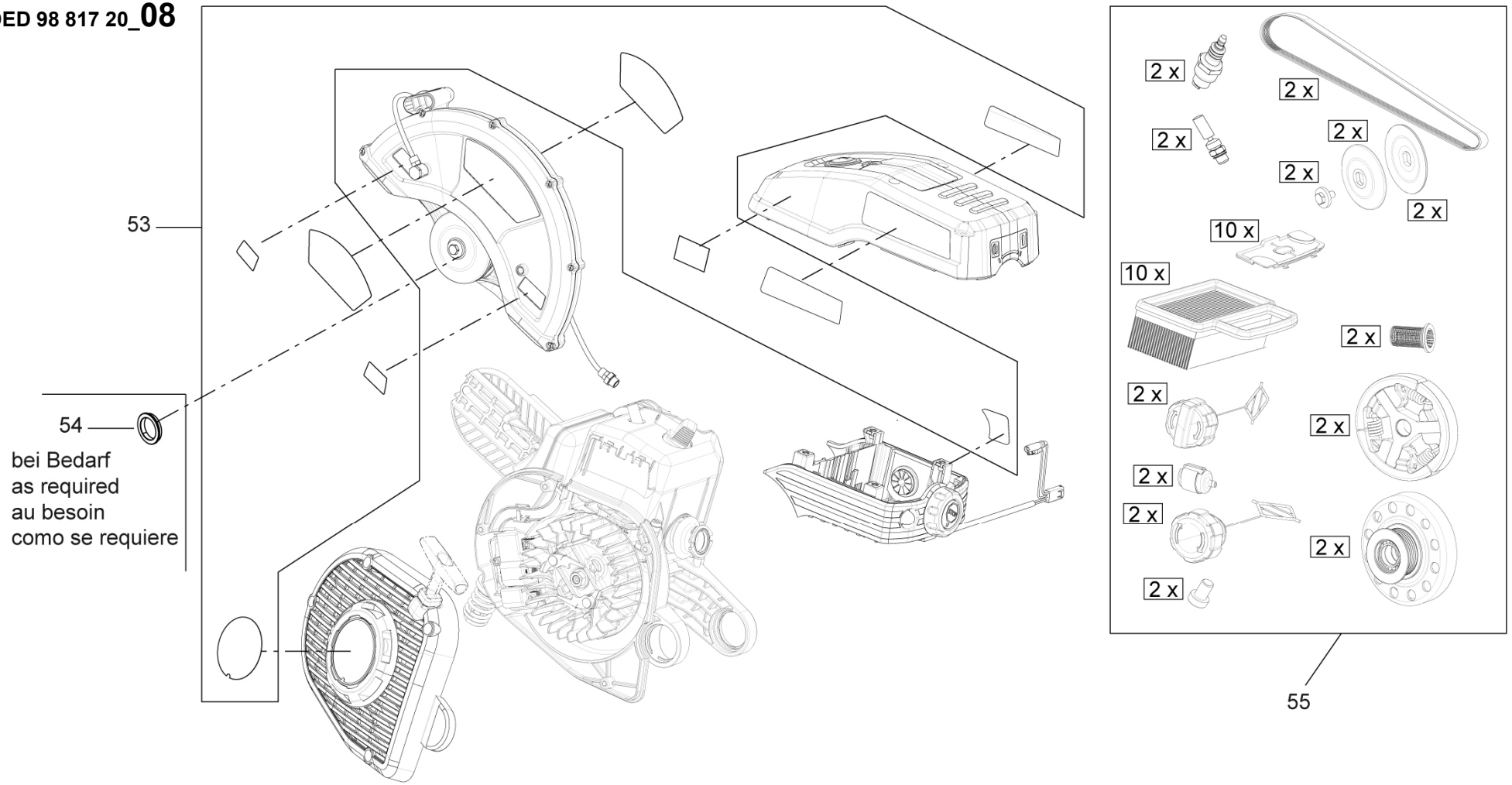
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22	510107068	Grip complete	Poignée complet	Griff komplett	S
43	510107045	Handle bar complete	Barre de poignée complet	Haltebügel komplett	S
44	510114420	Tank Housing complete	Logement de reservoir complet	Tankgehäuse komplett	S
45	510107047	Lever kit	Levier kit	Gashebel Kit	S
46	510107070	Oil pump complete	Pompe à huile complete	Ölpumpe komplett	S
47	510107071	Oil Tank ventilation complete	Ventilation de réservoir d'huile complet	Öltankentlüftung komplett	S
48	510107049	Front and rear foot complete	Pied avant et arrière complet	Geräteabstützungskit komplett	S

EXPLODED 98 817 22_07



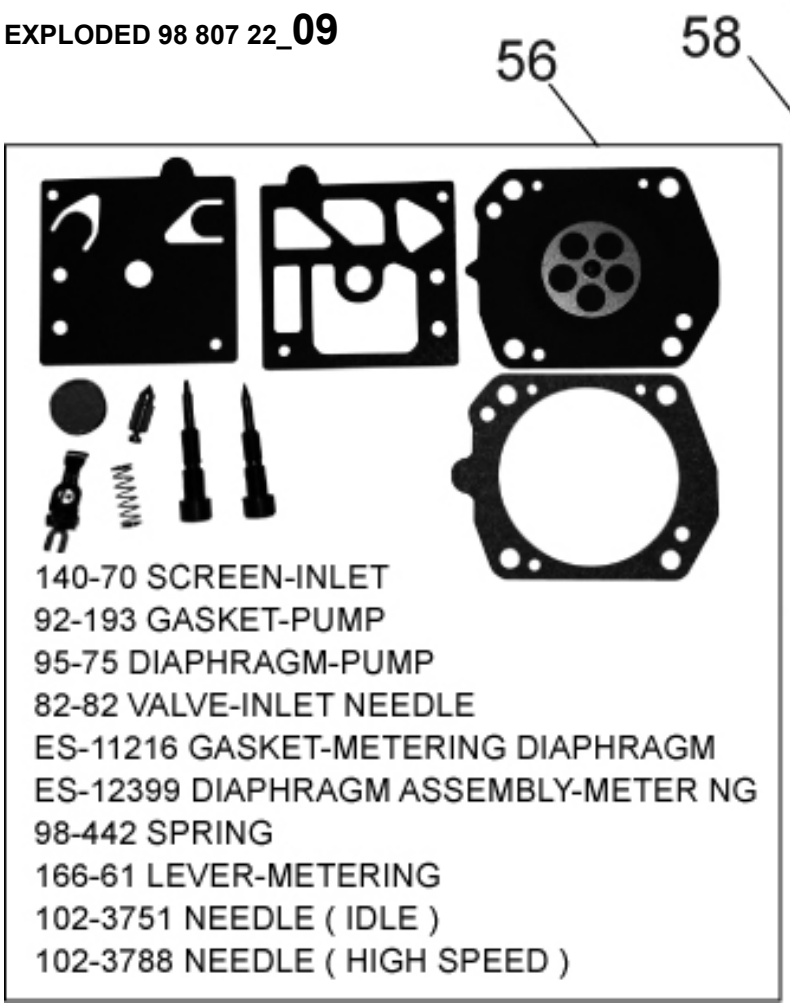
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49	510107050	Cleaning filter knob complete	Bouton de filtre de nettoyage complet	Reinigungsknopf komplett	W
51	510107052	Cover decovalve	Couverture de decovalve	Abdeckung Dekoventil	S
52	510107053	Spark plug cover complete	Couverture de bougie d'allumage complet	Zündkerzenabdeckung komplett	S

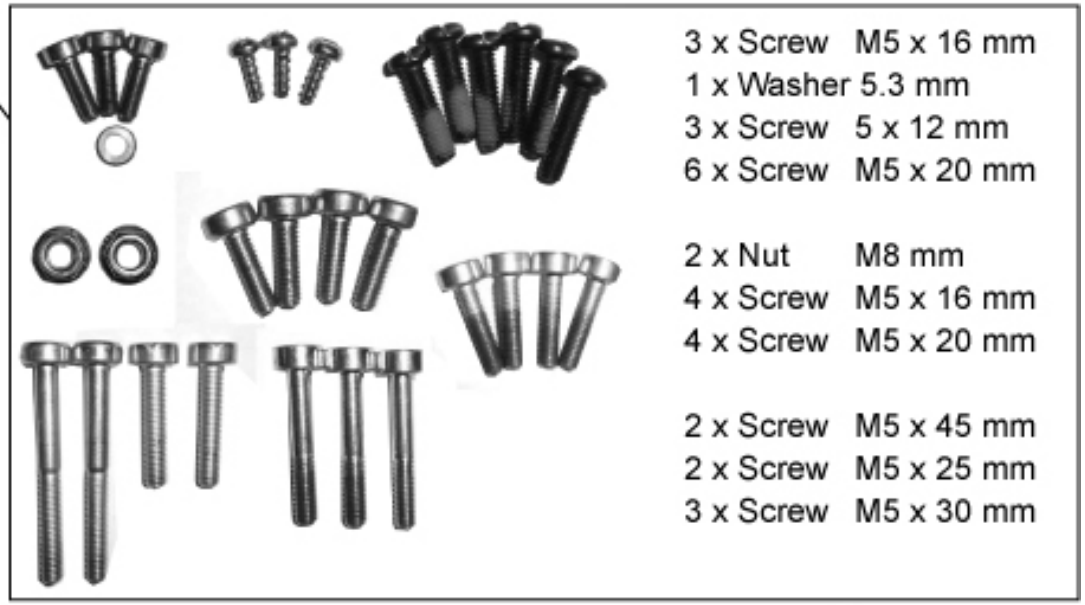
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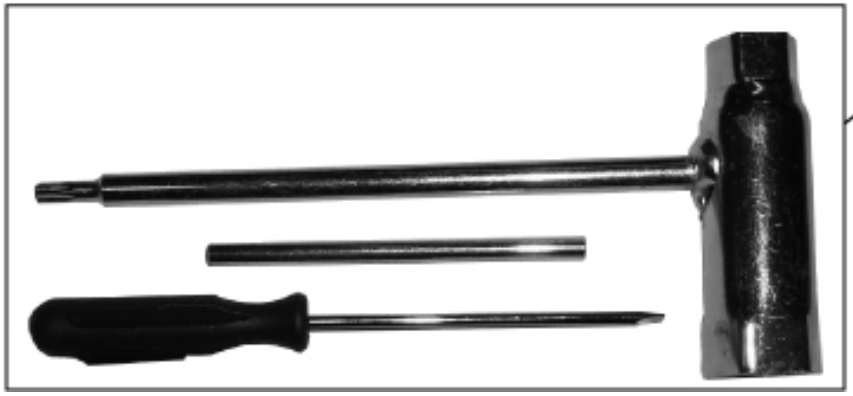


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53	510107054	Sticker 12-300 kit	Sticker 12-300 kit	Aufkleber 12-300 Kit	S
53	510107055	Sticker 14-350 kit	Sticker 14-350 kit	Aufkleber 14-350 Kit	S
54	510107058	Ring	Anneau	Adapter-Ring	-
55	510107059	Spare parts initial i-Lube	Pièces de rechange initiales i-Lube	Ersatzteil Starterpaket i-Lube	-

EXPLODED 98 807 22_09







Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
56	510112803	Carburator repair kit	Kit reparation carburateur	Reparaturkit Vergaser	
57	510109846	Tool kit	Outils Kit	Werkzeug Kit	
58	510114188	Screw kit	Vis Kit	Schrauben Kit	

For your notes / Pour vos notes / Für Ihre Notizen

For all countries:

www.construction.norton.eu

Saint-Gobain Abrasives
190, Bd. J. F. Kennedy
L-4930 BASCHARAGE
LUXEMBOURG

Tel: ++352 50401-1
Fax: ++352 501633
e-mail: sales.nlx@saint-gobain.com

For North America only

www.nortonconstructionproducts.com

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2770 W. Washington Street
Stephenville, TX 70401
U.S.A.

Tel: 1 800 554-8003
Fax: 1 800 443-1092
e-mail: cpdinquiry@saint-gobain.com

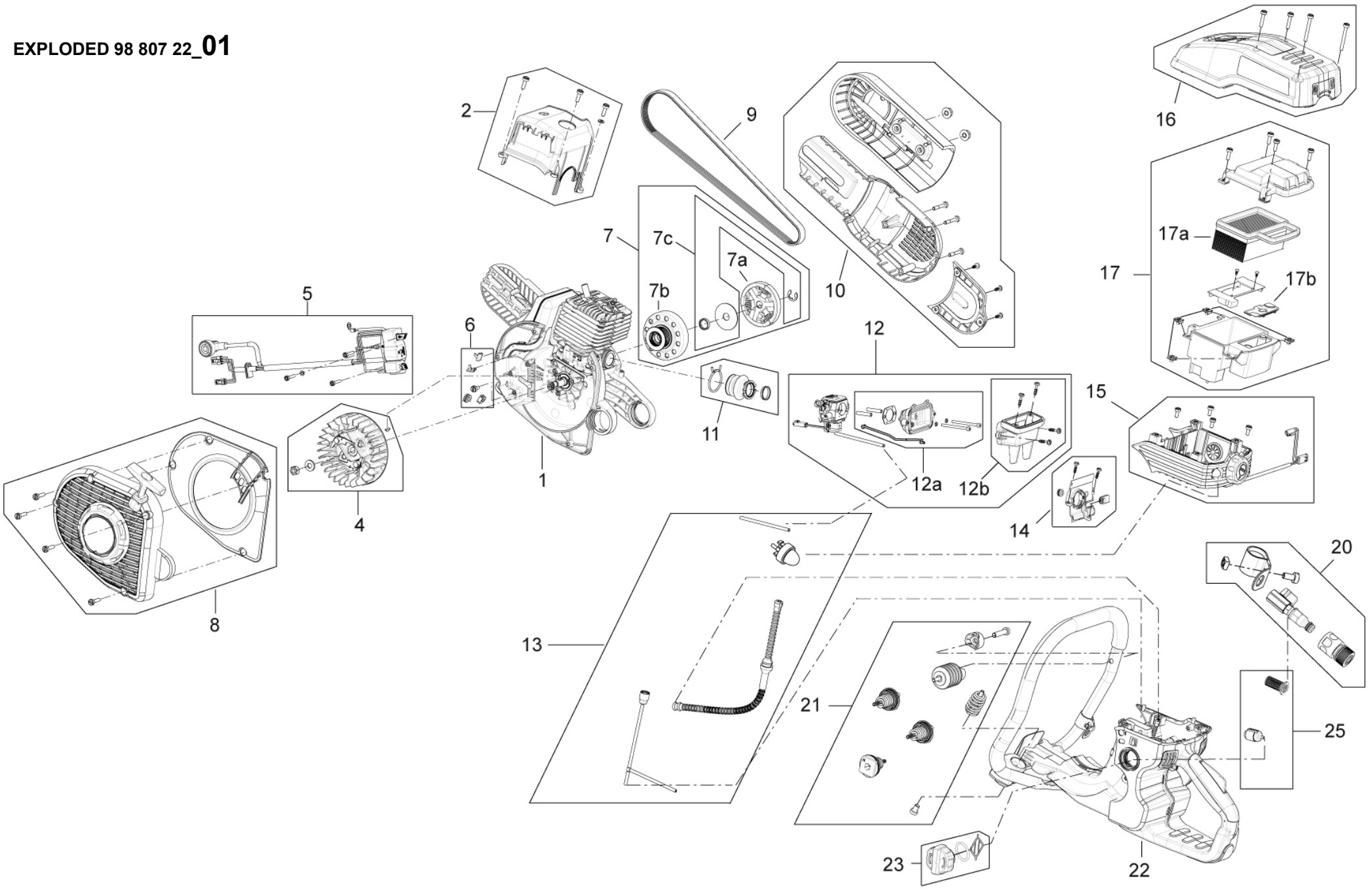
CP512–300 / CP514–350

SPARE PART LIST



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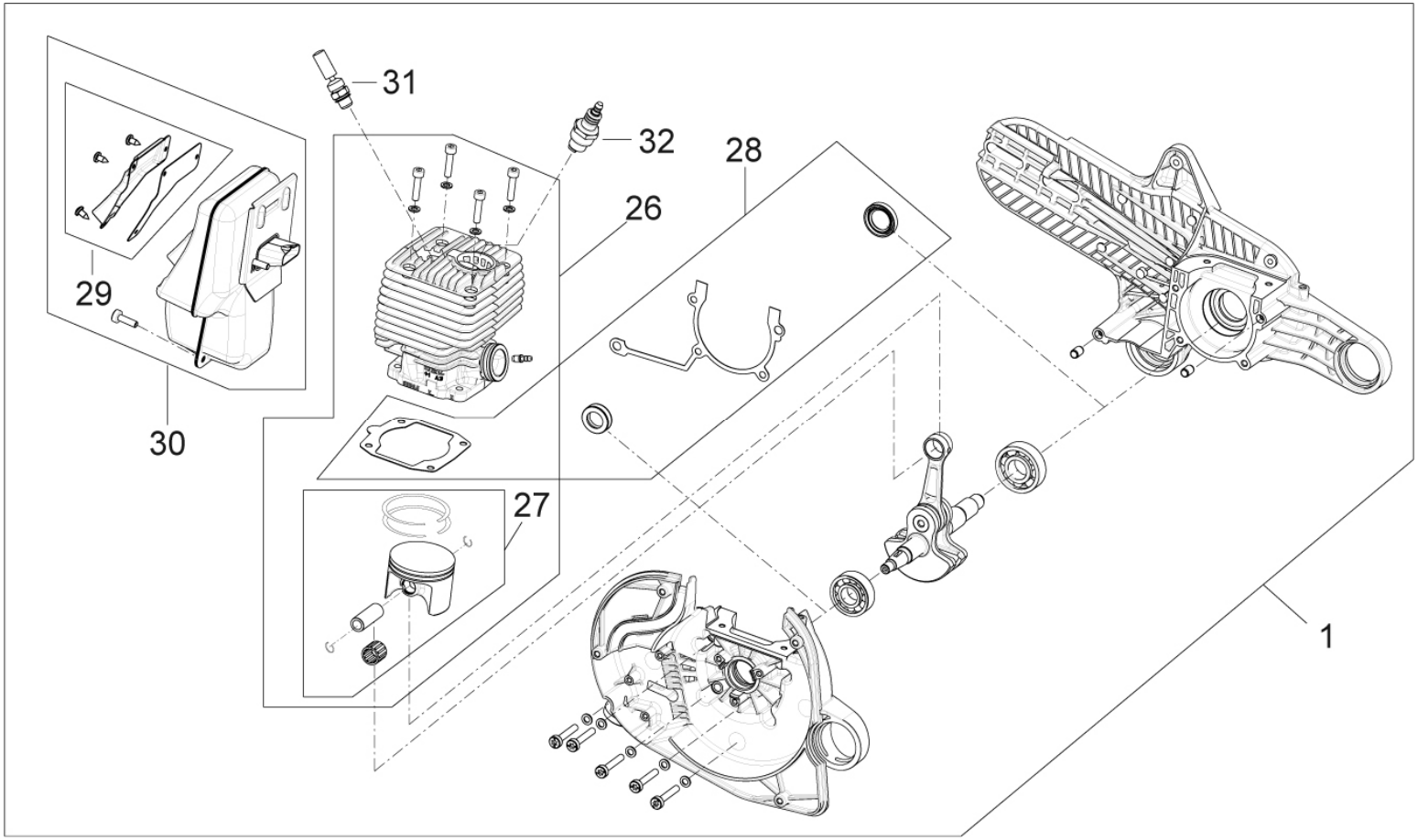
EXPLODED 98 807 22_01



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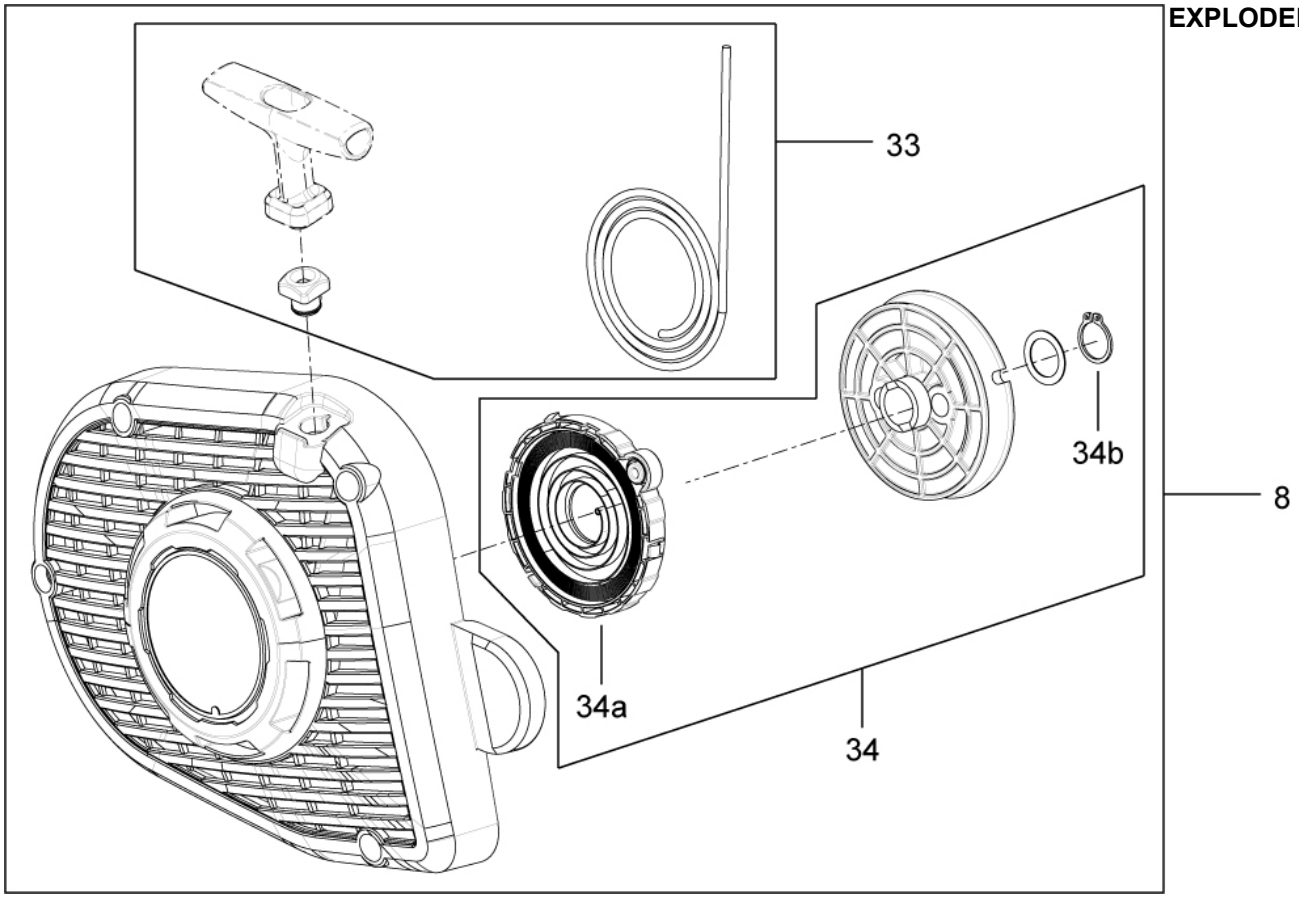
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1	510106939	Engine complete	Moteur complet	Motor komplett	S
2	510106940	Cylinder cover complete	Couverture de cylindre complet	Zylinderhaube komplett	S
4	510106955	Flywheel complete	Volant complet	Lüfterrad komplett	S
5	510106956	Ignition complete	Allumage complet	Zündung komplett	S
6	510106941	Fixing kit	Fixation kit	Befestigung Kit	S
7	510106942	Clutch complete	Embrayage complet	Kupplung komplett	W
7a	510115835	Centrifugal clutch	Embrayage centrifuge	Kupplung Fliehkraft	W
7b	510115838	Clutch drum	Cloche d'embrayage	Kupplungsglocke	W
7c	510115839	Clutch accessories	Accessoire d'embrayage	Kupplung Zubehör	W
8	510106943	Starter complete	Démarreur complet	Starter komplett	S
9	510106974	Belt	Courroie	Rippenband	W
10	510106975	Right cover complete	capot droit complet	Rippenbandabdeckung komplett	S
11	510106976	Suction hose complete	Tuyau d'aspiration complet	Ansaugschlauch komplett	S
12	510106977	Carburetor complete	Carburateur complet	Vergaser komplett	S
12a	510117467	Compensation system	Systeme de compensation	Expansionskammer	S
12b	510117466	Suction elbow	Coude d' aspiration	Ansaugkrümmer	S
13	510114418	Hose kit	Tuyaux kit	Schlauch Kit	S
14	510107005	Flange ring complete	Anneaux de flasque complet	Flanschring komplett	S
15	510107006	Console complete	Console complet	Mittelkonsole komplett	S
16	510107007	Cover complete	Couverture complet	Haube komplett	S
17	510107008	Air filter box complete	Boîte de filtre à air complet	Filtergehäuse komplett	S
17a	510107009	Air filter	Filtre à air	Luftfilter	W
17a	510107010	Air filter x 10 kit	Filtre à air X 10 kit	Luftfilter x 10 Kit	W
17a	510107011	Air filter x 20 kit	Filtre à air X 20 kit	Luftfilter x 20 Kit	W
17b	510116081	Secondary air filter (set of 5)	Filtre a air secondaire (jeu de 5)	Siebeinsatz x 5	W
20	510107012	Water connection EU ½ '' complete	Connexion de l'eau EU ½ '' complet	Wasserset EU ½ '' komplett	W
20	510107853	Water connection US ¾ '' complete	Connexion de l'eau US ¾ '' complet	Wasserset US ¾ '' komplett	W
21	510107013	Spring kit	Ressort kit	Dämpfungsfedern Kit	S
22	510107014	Grip complete	Poignée complet	Griffeinheit komplett	S
23	510107015	Tank cap complete	Bouchon de reservoir complet	Tankverschluss Kraftstoff komplett	W
25	510107016	Filter kit	Filtre kit	Filter Kit	W

EXPLODED 98 817 20_03



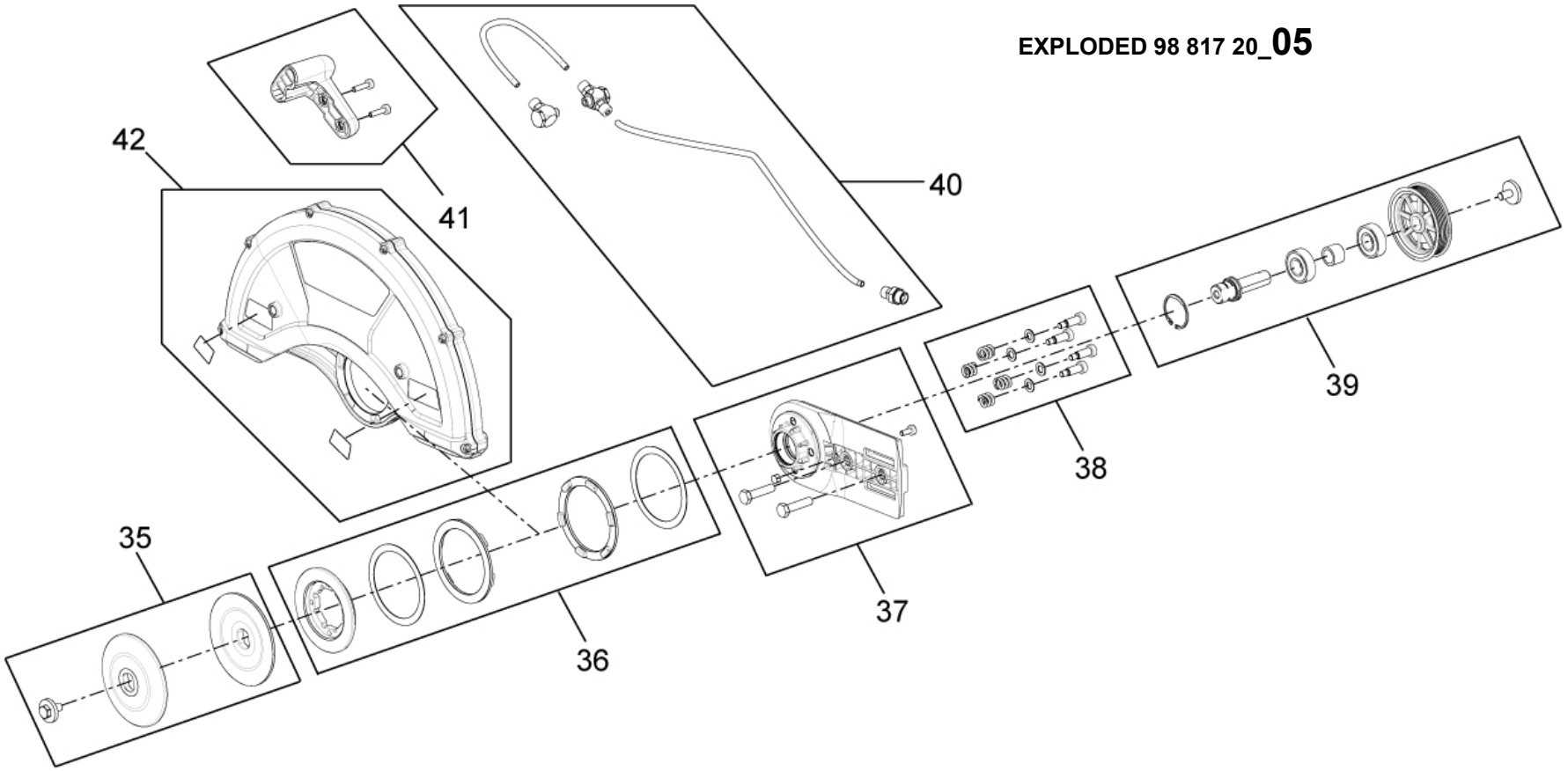
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1	510106939	Engine complete	Moteur complet	Motor komplett	S
26	510107017	Top engine complete	Moteur supérieur complet	Zylinder+Kolben Reparaturkit komplett	S
27	510107018	Piston complete	Piston complet	Kolben komplett	S
28	510107019	Seal kit	Joint kit	Dichtung Kit	S
29	510107020	Spark Arrestor kit	Intercepteur d'étincelle kit	Funkenschutzsieb Kit	W
30	510107022	Muffler complete	Silencieux complet	Auspuff komplett	S
31	510107023	Decompression valve	Valve de decompression	Dekompressionsventil	S
32	510107024	Spark plug	Bougie d'allumage	Zündkerze	W

EXPLODED 98 817 22_04



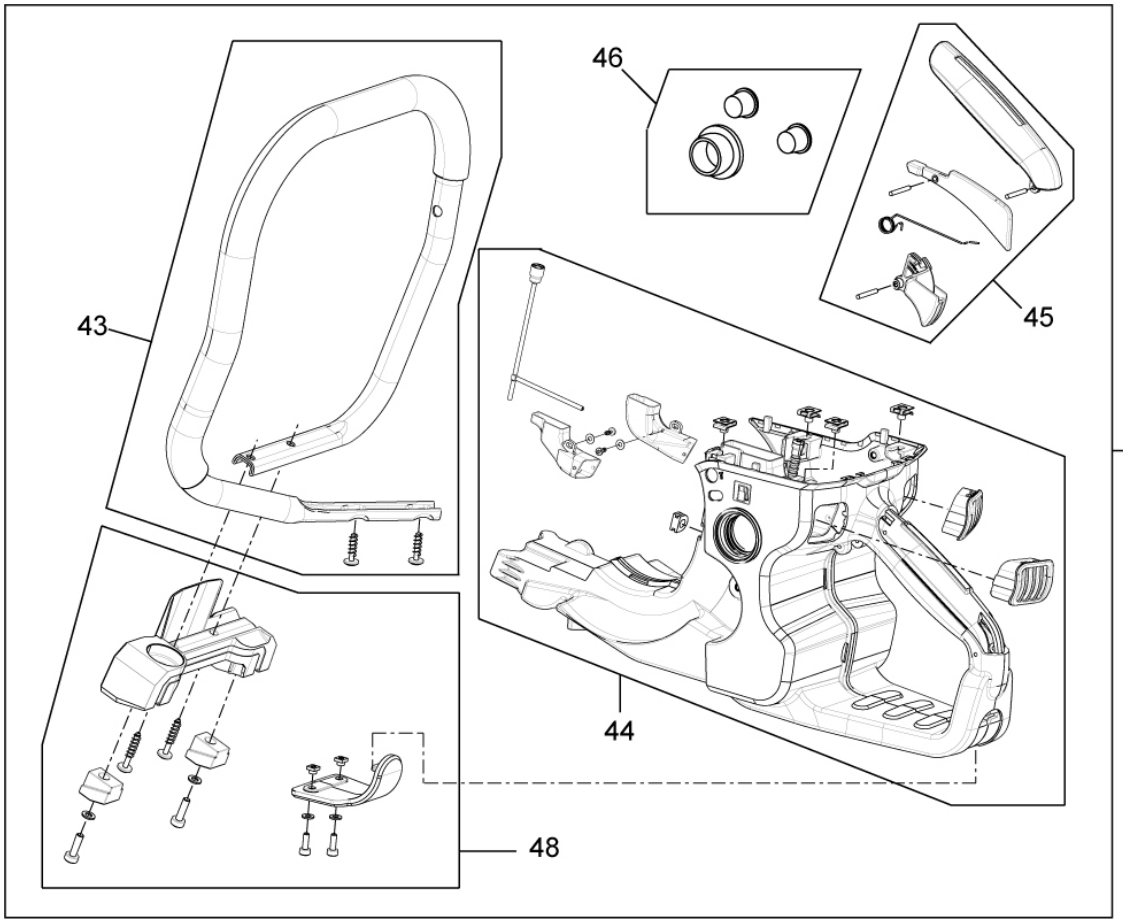
Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
8	510106943	Starter complete	Démarreur complet	Starter komplett	S
33	510112800	Starter rope and grip	Corde de démarreur e poignée	Starterseil und Griff	W
34	510107035	Spring/Pulley complete	Ressort/ Poulie complet	Seilrolle komplett	W
34a	510115843	Rewind spring	Ressort de rappel	Rückholfeder vollst.	W
34b	510115844	Circlip	Circlip	Sicherungsring	W

EXPLODED 98 817 20_05

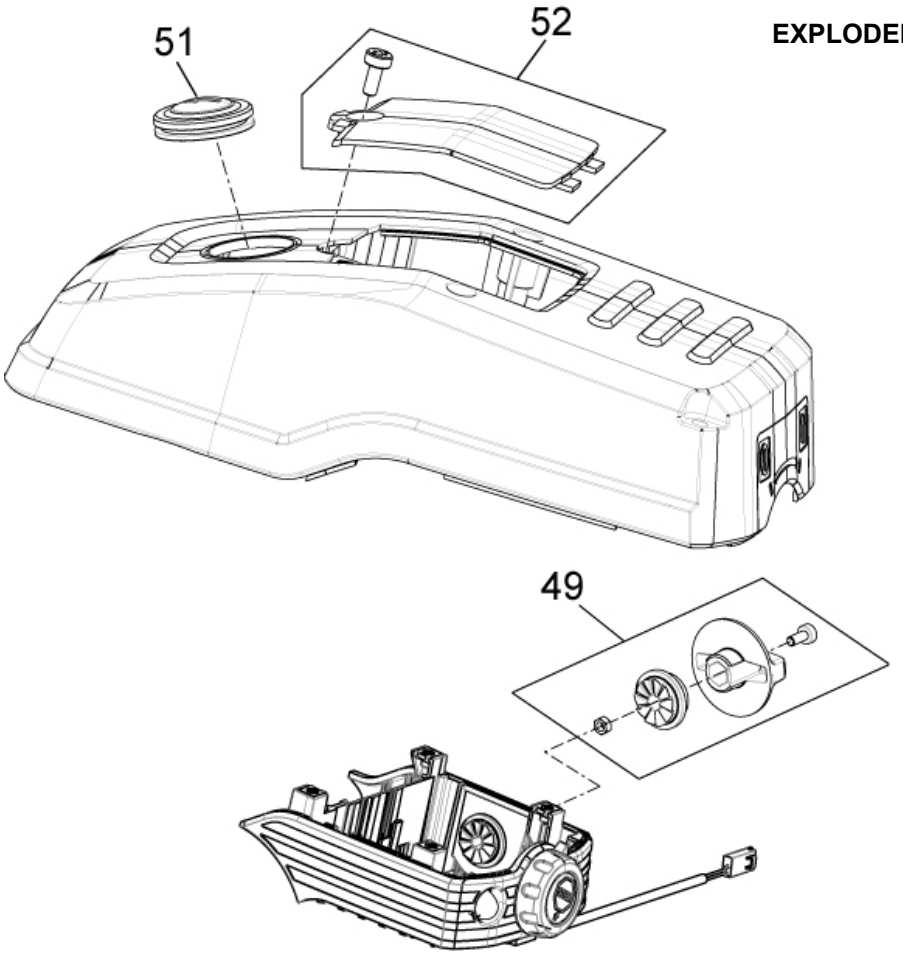


Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
35	510107036	Flange kit	Flasque kit	Flansch Kit	W
36	510107037	Pressure ring kit	Anneau de pression kit	Druckring Kit	S
37	510107038	Drive unit complete	Boîte de commande complet	Antriebseinheit komplett	S
38	510107039	Spring kit	Ressort kit	Feder Kit	S
39	510107040	Pulley/Axle kit	Poulie/ Axe kit	Riemenscheibe Kit	S
40	510107041	Water system complete	Circuit de refroidissement complet	Wassersystem komplett	S
41	510107042	Guard handle complete	Poignée de garde complet	Verstellgriff komplett	S
42	510107043	Blade Guard 12-300 complete	Garde de lame 12-300 complet	Schutzhaube 12-300 komplett	S
42	510107044	Blade Guard 14-350 complete	Garde de lame 14-350 complet	Schutzhaube 14-350 komplett	S

EXPLODED 98 807 20_06



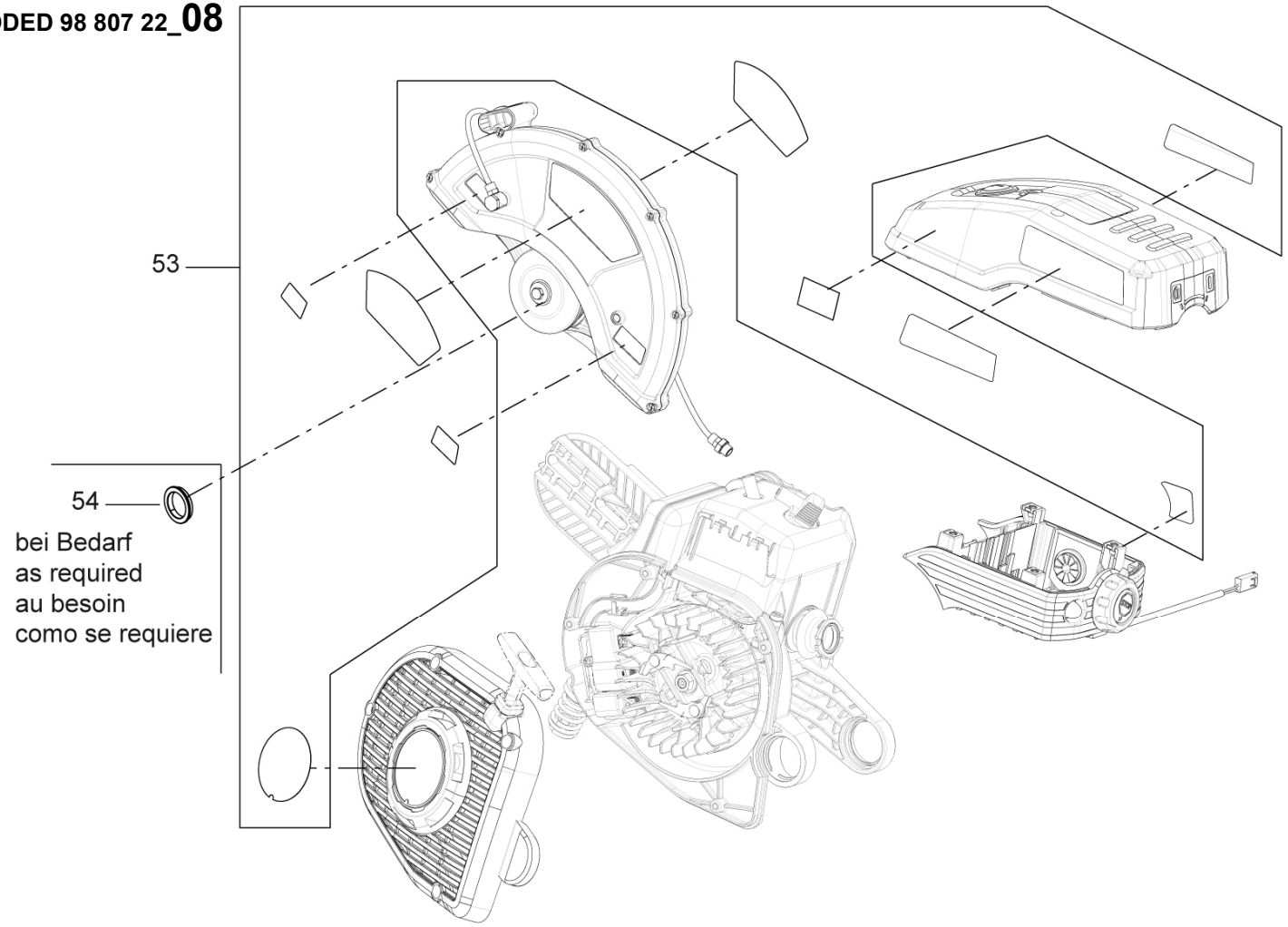
Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
22	510107014	Grip complete	Poignée complet	Griff komplett	S
43	510107045	Handle bar complete	Barre de poignée complet	Haltebügel komplett	S
44	510114419	Tank Housing complete	Logement de reservoir complet	Tankgehäuse komplett	S
45	510107047	Lever kit	Levier kit	Gashebel Kit	S
46	510107048	Plug kit	Bouchon kit	Ölpumpe komplett	S
48	510107049	Front and rear foot complete	Pied avant et arrière complet	Öltankentlüftung komplett	S

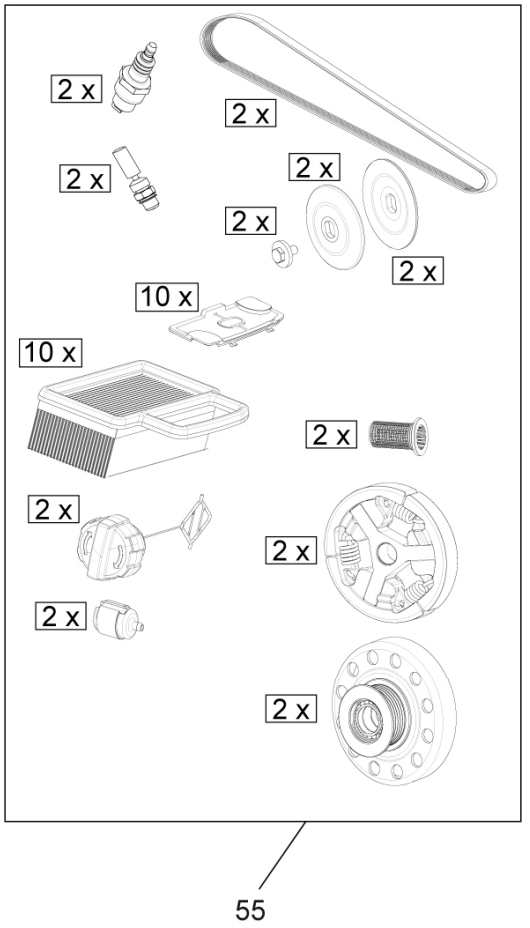


EXPLODED 98 807 20_07

Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
49	510107050	Cleaning filter knob complete	Bouton de filtre de nettoyage complet	Reinigungsknopf komplett	W
51	510107052	Cover decovalve	Couverture de decovalve	Abdeckung Dekoventil	S
52	510107053	Spark plug cover complete	Couverture de bougie d'allumage complet	Zündkerzenabdeckung komplett	S

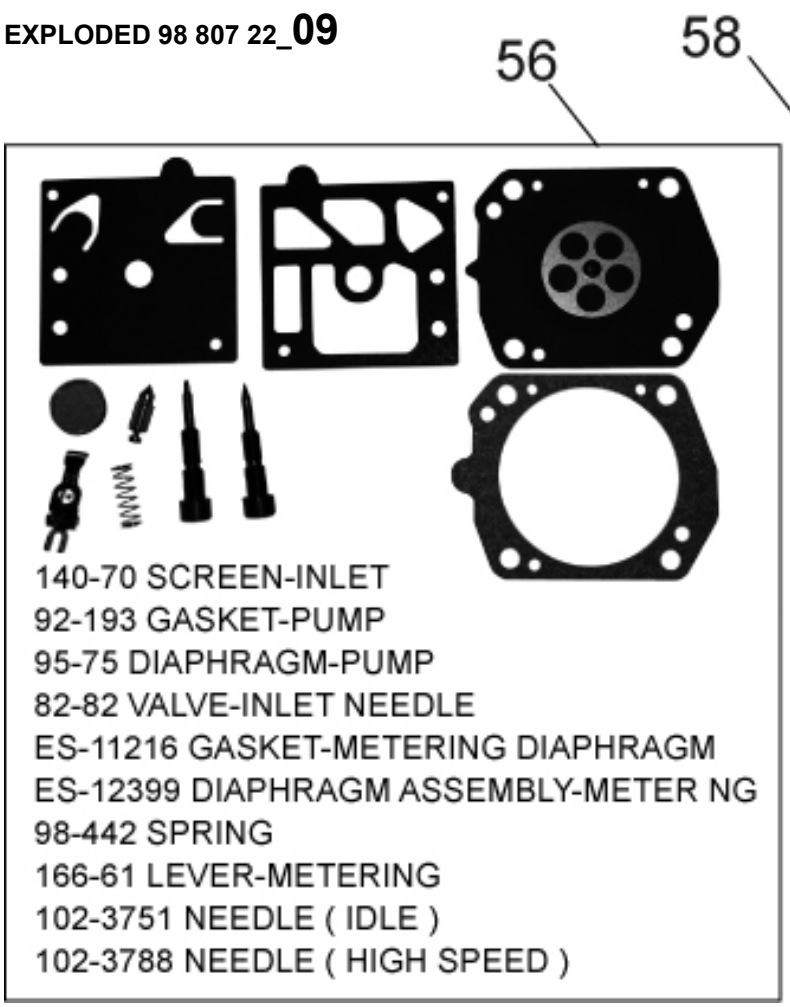
EXPLODED 98 807 22_08

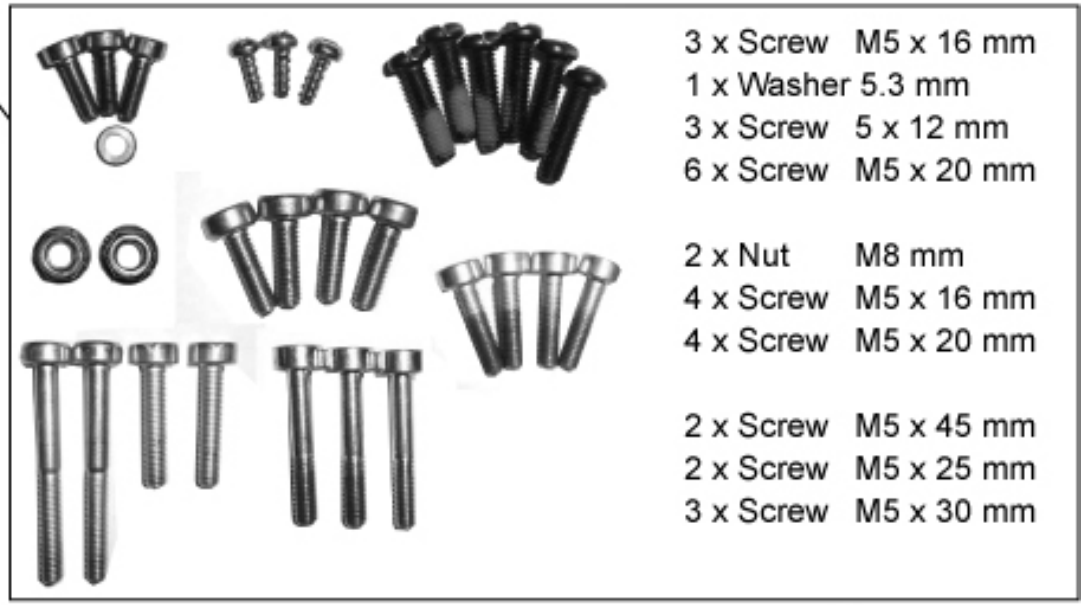


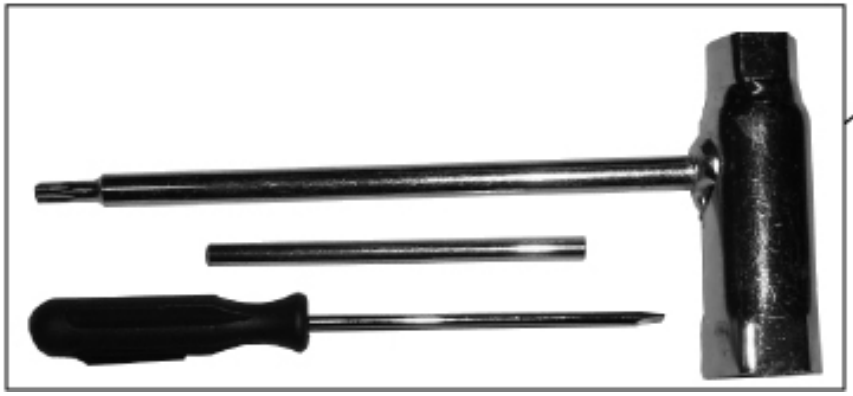


Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
53	510107054	Sticker 12-300 kit	Sticker 12-300 kit	Aufkleber 12-300 Kit	S
53	510107055	Sticker 14-350 kit	Sticker 14-350 kit	Aufkleber 14-350 Kit	S
54	510107058	Ring	Anneau	Adapter-Ring	-
55	510113850	Spare parts initial MIX	Pièces de rechange initiales MIX	Ersatzteil Starterpaket MIX	-

EXPLODED 98 807 22_09







Pos.-No. No.Pos. Bild-Nr.	Order-No. No. de Cde Bestell-Nr.	DESCRIPTION EN	DESCRIPTION FR	BESCHREIBUNG DE	TYPE (*) TYPE (*) TYP(*)
56	510112803	Carburator repair kit	Kit reparation carburateur	Reparaturkit Vergaser	
57	510109846	Tool kit	Outils Kit	Werkzeug Kit	
58	510114188	Screw kit	Vis Kit	Schrauben Kit	

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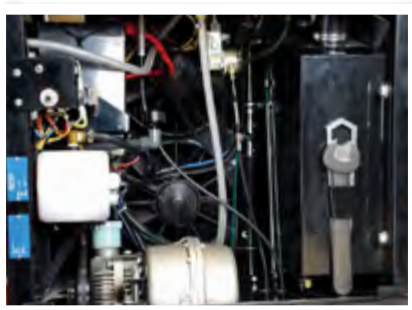
PRODUCT FEATURES



3-Speed Gear Box
Provides multiple shaft speeds without changing belts and pulleys.



Powerband for True Performance
A 10-groove powerband transmits complete power for improved performance.



Removable Panels
Easy access to engine and underneath console is the key to quick preventative maintenance.



It doesn't come any better than having a 3-speed gear box backed by the 59HP, EPA-compliant Kubota, 4 cylinder water cooled turbo diesel engine. It has all the same features as our C59 series but having the convenience of being able to change shaft speeds on the fly allows you to move from blade size and application without downtime. Putting money back into your pocket.

TECHNICAL SPECIFICATIONS	C5926GS	C5930GS	C5936GS
Product Number	701846 **45124** 6	701846 **45125** 3	701846 **45126** 0
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2220/1490/975	H/M/L 2220/1490/975	H/M/L 2220/1490/975
Blade Size vs. Gear Selection	H =14-20, M=24-30, L=36-42	H =14-20, M=24-30, L=36-42	H =14-20, M=24-30, L=36-42
Blade Shaft Diameter - in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	1 Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement - cu In (l)	148.5 in.^{3} (2,434 cm^3)		
Bore - in (mm)	3.43" (87)		
Stroke - in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity - gal (l)	9 gal. (34 l)		
Oil Capacity - qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height - in (mm)	53-1/2" (1346)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	70" (1778)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	140-1/2" (3568)		
Maximum Pointer Length - in (mm)	62" (1574)		
Frame Width - in (mm)	31-1/2" (800)		
Saw Width - in (mm)	39-1/2" (1270)		
Front (Outside to Outside Wheel Width) - in (mm)	28" (711)		
Rear (Outside to Outside Wheel Width) - in (mm)	32" (812)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	20-1/2" (570)		
Weight Crated - lbs (kg)	1885 (855)		
Weight Uncrated - lbs (kg)	1870 (848)		
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY ENGINE MANUFACTURER**





Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Convenient Console Design
Ergonomic console and instrument panel allows operator comfort with reduced fatigue.



Powerful Engine
All the power you need comes from the Kubota liquid-cooled, turbo-charged diesel engine.



Clean Internal Design
Removable rear and side panels and the roomy internal design makes preventative maintenance easier.



With ample power to finish any sized job, the C59 series is designed for joint-cutting, green or cured concrete and asphalt sawing and is available in 26", 30" and 36" blade capacity. Equipped with a 59HP, EPA- compliant Kubota, 4 cylinder, water-cooled, turbo diesel engine, this machine delivers long, maintenance-free hours of operation. Finished with a strong, clean, simple design and standard features, such as a full ergonomic console, instrument panel and completely enclosed blade shaft with oil bath.

TECHNICAL SPECIFICATIONS	C5926SS	C5930SS	C5936SS
Product Number	701846 **44179** 7	701846 **44180** 3	701846 **44181** 0
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM	2,469	2,194	1,340
Blade Shaft Diameter – in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward)	0-100 FPM (Reverse)	
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement – cu In (l)	148.5 in.3 (2,434 cm3)		
Bore – in (mm)	3.43" (87)		
Stroke – in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity – gal (l)	9 gal. (34 l)		
Oil Capacity – qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height – in (mm)	53-1/2" (1346)	53-1/2" (1346)	53-1/2" (1346)
Minimum Saw Length (Transport) – in (mm)	70" (1778)	70" (1778)	70" (1778)
Maximum Saw Length (Working) – in (mm)	140-1/2" (3568)	140-1/2" (3568)	140-1/2" (3568)
Maximum Pointer Length – in (mm)	62" (1574)	62" (1574)	62" (1574)
Frame Width – in (mm)	31-1/2" (800)	31-1/2" (800)	31-1/2" (800)
Saw Width – in (mm)	39-1/2" (1270)	39-1/2" (1270)	39-1/2" (1270)
Front (Outside to Outside Wheel Width) – in (mm)	28" (711)	28" (711)	28" (711)
Rear (Outside to Outside Wheel Width) – in (mm)	32" (812)	32" (812)	32" (812)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	20-1/2" (570)	20-1/2" (570)	20-1/2" (570)
Weight Crated – lbs (kg)	1825 (821)	1825 (821)	1825 (821)
Weight Uncrated – lbs (kg)	1810 (827)	1810 (827)	1810 (827)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

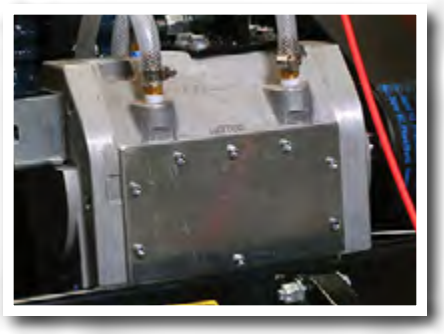


Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

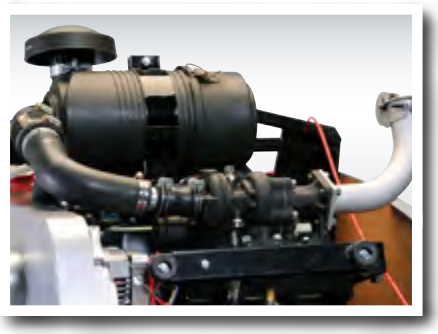
PRODUCT FEATURES



3-Speed Gear Box
Provides multiple shaft speeds without changing belts and pulleys.



Interchangeable Blade Guards
Allows sizes from 20" to 36" to be used on the same saw throughout our saw series.



44HP Kubota Engine
More than enough power to get the job done. The Kubota 44HP delivers raw power and long hours of maintenance free life.



The C44GD series of gear box saws brings a compact platform with power enough to finish any job. Perfect for service work with its balanced platform for maximum maneuverability. Interchangeable blade guards for quick changing of sawing applications. Backed by the water-cooled Kubota 44HP turbo diesel engine that is EPA Tier IV and CARB compliant, the C44 with a gear box makes it a saw every fleet should have.

TECHNICAL SPECIFICATIONS	C4426GD	C4430GD	C4436GD
Product Number	701846 **42487** 5	701846 **42489** 9	701846 **42492** 2
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300
Blade Size vs. Gear Selection	H =12-16, M=18-26, L=30-36	H =12-16, M=18-26, L=30-36	H =12-16, M=18-26, L=30-36
Blade Shaft Diameter - in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement - cu In (l)	91.4 cu in (1,498 l)		
Bore - in (mm)	3.07" (78)		
Stroke - in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity - gal (l)	5.75 gal (21.7 l)		
Oil Capacity - qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height - in (mm)	50" (1,270)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	64-1/4" (1,632)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	107-1/2" (2,731)		
Maximum Pointer Length - in (mm)	21-1/4" (540)		
Frame Width - in (mm)	27" (686)		
Saw Width - in (mm)	34-3/4" (863)		
Front (Outside to Outside Wheel Width) - in (mm)	17" (432)		
Rear (Outside to Outside Wheel Width) - in (mm)	27-1/2" (699)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	16-1/2" (419)		
Weight Crated - lbs (kg)	1,240 (562)		
Weight Uncrated - lbs (kg)	1,140 (517)		
ACCESSORIES			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY ENGINE MANUFACTURER**



Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

PRODUCT FEATURES



Frame Design
Perfectly balanced allowing optimum operator maneuverability while reducing fatigue.



Instrument Panel
Open panel layout for quick access to critical instrumentation.



Blade Guard Design
Quick-change design reduces labor time, with maintenance-free locking mechanism.



The C44 series is the ideal saw to meet today's demands. High production is found through the Kubota 44HP liquid-cooled turbo diesel engine. Meeting the EPA Tier IV and CARB standards, the Kubota is strong enough to achieve the best results in a variety of applications with long, maintenance-free engine life. With a balanced platform, the C44 puts the right amount of weight over the cut with exceptional free-wheeling maneuverability. Available in 20", 26", 30" and 36" with inter-changing blade guards. Compact, robust with performance.

TECHNICAL SPECIFICATIONS	C4426SD	C4430SD	C4436SD
Product Number	701846 **42486** 8	701846 **42488** 2	701846 **42490** 5
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement – cu In (l)	91.4 cu in (1,498 l)		
Bore – in (mm)	3.07" (78)		
Stroke – in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,180 (536)	1,180 (536)	1,180 (536)
Weight Uncrated – lbs (kg)	1,080 (490)	1,080 (490)	1,080 (490)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**



Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Gasoline Engine
Mounted with the dependable Honda 5.5HP engine for best performance.



Front Blade Mount
Additional weight helps keep the blade in the cut.



Improved Wheel Design
Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design
Easy storage and transport.



With a compact, light-weight design backed by the reliable Honda 5HP gasoline engine, the GC55 early entry saw is intended for a variety of applications. From green, cured or decorative concrete cutting to expansion joints, the features of this small push saw are hard to beat in a single saw. The low, wide profile of the frame, along with the front mount blade, contribute to producing a more disciplined cut.

TECHNICAL SPECIFICATIONS	GC55
Product Number	701846 **30005** 6
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (95)
Arbor Size – in. (mm)	5/8" (15.9)
Blade Flange Diameter – in. (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in. (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in. (mm)	55/64" (22)
Axle – Rear – in. (mm)	55/64" (22)
Wheels – Front – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in. (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX160
Specifications	GX160K1QXC9
Maximum Horsepower	5.5 HP (4.1 kW) – *
Net Horse Power	4.8 HP (3.6 kW) – *
Voltage	NA
Cycle/Current/Phase	NA
Full Load Amps	NA
Starting Amps	NA
Displacement – cu. In (l)	9.9 cu in (0.16 l)
Bore – in. (mm)	2.7" (68)
Stroke – in. (mm)	1.8" (45)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	.95 (3.6 l)
Oil Capacity – qt. (l)	.63 (.6 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
Saw Dimensions	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in. (mm)	32" (813)
Maximum Saw Length (Working) – in. (mm)	42-29/32" (1090)
Maximum Pointer Length – in. (mm)	8-7/32" (209)
Frame Width – in. (mm)	13-11/16" (348)
Saw Width – in. (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in. (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in. (mm)	13" (330)
Blade to Wall – in. (mm)	7-1/2" (190)
Wheel Base Length – in. (mm)	19" (483)
Weight Crated – lbs (kg)	135 (61)
Weight Uncrated – lbs (kg)	115 (52)

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

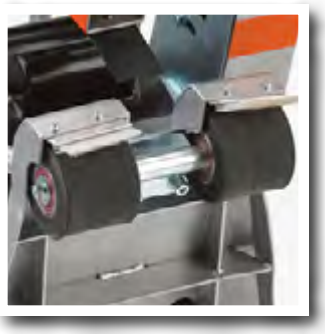
PRODUCT FEATURES



Compact Frame Design
Easy transport and even weight distribution with 3HP up-cut electric motor.



Vacuum Port
Attaches to standard vacuum for efficient debris removal.



Improved Wheel Design
Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design
Ideal for decorative application where space is limited getting in and out.



The ideal saw for indoor cutting, expansion joint cleaning, crack control and other concrete surface preparation work. The GC25EUP has all the features of the GC25E, but carries a smooth running 3HP up-cut electric motor. Its vacuum port on the blade guard ensure debris is pulled out of the cut and into a collection system. Light-weight and compact, the GC25EUP is the perfect saw for any concrete surface or decorative contractor need.

TECHNICAL SPECIFICATIONS	GC25EUP
Product Number	701846 **42445** 5
Blade Guard Capacity – in (mm)	10" (254)
Maximum Depth of Cut – in (mm)	3-3/4" (95)
Arbor Size – in (mm)	5/8" (15.9)
Blade Flange Diameter – in (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in (mm)	55/64" (22)
Axle – Rear – in (mm)	55/64" (22)
Wheels – Front – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	115/330 volt
Motor/Engine Type	Electric
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	3 HP
Net Horse Power*	3 HP
Voltage	115-230 Volts
Cycle*/Current/Phase	60Hz/AC/1
Full Load Amps*	19.5/9.73 Amps
Starting Amps*	91/46 Amps
Displacement – cu In (l)	-NA-
Bore – in (mm)	-NA-
Stroke – in (mm)	-NA-
Cylinders/Cycle	-NA-
Fuel Capacity – gal (l)	-NA-
Oil Capacity – qt (l)	-NA-
Air Filter	-NA-
Starter	Capacitor
Engine Cooling	Forced Air
Saw Dimensions	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in (mm)	32" (813)
Maximum Saw Length (Working) – in (mm)	42-29/32" (1090)
Maximum Pointer Length – in (mm)	8-7/32" (209)
Frame Width – in (mm)	13-11/16" (348)
Saw Width – in (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in (mm)	13" (330)
Blade to Wall – in (mm)	7-1/2" (190)
Wheel Base Length – in (mm)	19" (483)
Weight Crated – lbs (kg)	155 (70.3)
Weight Uncrated – lbs (kg)	135 (61.2)

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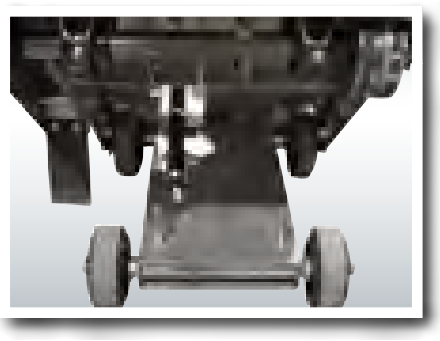
PRODUCT FEATURES



Spindle-Saver Blade Flanges
Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



Four V-Belts
Transferring maximum power to the blade shaft.



Reinforced Frame and Axle
Strongest in its class.



Small to medium contractor work demands performance with an economical solution. The C1320P brings the contractor the ideal saw with a heavy-duty box frame that resists bending and supported with the high-performing Honda 13HP engine. The heavy frame also provides a straighter cut. Changing or adjusting belts is simple with the single screw tensioner. The C1320P is in a class by itself.

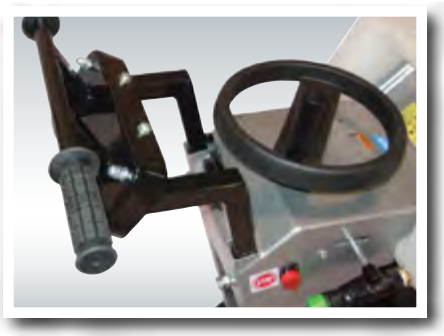
TECHNICAL SPECIFICATIONS	C1320P	
Product Number	701846 **42456** 1	
Blade Guard Capacity – in (mm)	20" (356)	
Maximum Depth of Cut – in (mm)	7-5/8" (193)	
Arbor Size – in (mm)	1" (25)	
Blade Flange Diameter – in (mm)	4-1/2" (114)	
Blade Shaft RPM	2520 RPM	
Blade Shaft Diameter – in (mm)	1-1/4" (32)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	4 Belts	
Blade Guard Attachment	Pivoting, All Steel	
Blade Control	Hand Wheel/Screw Feed	
Axle – Front – in (mm)	3/4" (19)	
Axle – Rear – in (mm)	3/4" (19)	
Wheels – Front D x W x B – in (mm)	5"x2"x3/4" (127x50x19)	
Wheels – Rear D x W x B – in (mm)	6"x2"x3/4" (152x50x19)	
Handle Bars/Adjustment Length	20-5/8" (530)	
Control	Roller Gear	
Speed	0-220 FPM	
Chassis	Heavy duty jig welded box frame	
Power Source	Gasoline, Single Cylinder 4 Cycle	
Engine Type	Honda GX390	
Specifications	GX390K1QXC9	
Maximum Horsepower*	13 HP (9.5kW)	
Net Horsepower*	11 HP (8.2 kW)	
Displacement – cu In (l)	23.7 cu in (0.39)	
Bore – in (mm)	3.5" (88)	
Stroke – in (mm)	2.5" (64)	
Cylinders/Cycle	Single Cylinder 4 Cycle	
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)	
Oil Capacity – qt (l)	1.16 qt. (1.1 l)	
Air Filter	Four Stage Honda	
Starter	Manual	
Engine Cooling	Air	
Saw Dimensions		
Height	40" (1,016)	
Minimum Saw Length (Transport) – in (mm)	56" (1,142)	
Maximum Saw Length (Working) – in (mm)	114" (2,896)	
Maximum Pointer Length – in (mm)	40" (1,016)	
Frame Width – in (mm)	17" (432)	
Saw Width – in (mm)	26" (660)	
Front (Outside to Outside Wheel Width) – in (mm)	14-3/16" (360)	
Rear (Outside to Outside Wheel Width) – in (mm)	15-1/4" (388)	
Blade to Wall – in (mm)	2-9/16" (65)	
Wheel Base Length – in (mm)	16-1/6" (407)	
Weight Crated – lbs. (kg)	345 (157)	
Weight Uncrated – lbs (kg)	310 (141)	
Accessories		
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**

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Water Tank Kit

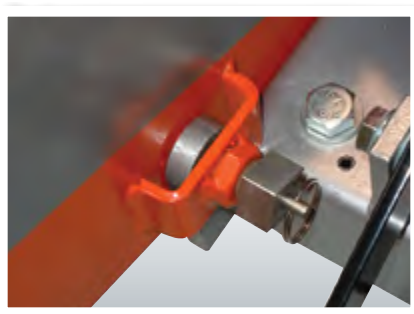
PRODUCT FEATURES



Vibration Reducing Handle Bars
Shock-absorbing handle bars reduce vibrations up to 40%.



Quick Belt Tensioning
Provides fast and accurate belt tensioning.



Fast Blade Guard Lock
No hassle, blade guard securing lock.



The next generation of 13HP saws. The C1318P features shock-absorbing handle bars. The new sleek design of the water tank, with increased capacity and improved securing, adds an additional 1.5 gallons of water over the cut. And, a newly-designed belt tensioning system helps keep the saw cutting tried and true. All these features, coupled with the Honda 13HP engine, makes the C1318P the premiere choice for rental and service work.

TECHNICAL SPECIFICATIONS	C1318P
Product Number	701846 **42453** 0
Blade Guard Capacity – in (mm)	18" (457)
Maximum Depth of Cut – in (mm)	6-5/8" (168)
Arbor Size – in (mm)	1" (25)
Blade Flange Diameter – in (mm)	4-1/2" (114)
Blade Shaft RPM	2,573
Blade Shaft Diameter – in (mm)	1.18" (30)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	Single 10 Groove Belt
Blade Guard Attachment	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	.78" (20)
Axle – Rear – in (mm)	.78" (20)
Wheels – Front D x W x B – in (mm)	4.92"x1.96x.78 (125x50x20)
Wheels – Rear D x W x B – in (mm)	8"x1-1/4"x.78 (203x32x20)
Handle Bars/Adjustment Length	6-1/4" (160)
Control	5.28 gal. (20 l)
Speed	Push
Chassis	Heavy Duty Steel Box with Longitudinal and Horizontal Reinforcements
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39 l)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
Saw Dimensions	
Height	39" (990)
Minimum Saw Length (Transport) – in (mm)	33-1/2" (850)
Maximum Saw Length (Working) – in (mm)	61-1/2" (1,5610
Maximum Pointer Length – in (mm)	20-7/8" (528)
Frame Width – in (mm)	16-1/2" (421)
Saw Width – in (mm)	22" (609)
Front (Outside to Outside Wheel Width) – in (mm)	10-7/16" (265)
Rear (Outside to Outside Wheel Width) – in (mm)	16.89" (429)
Blade to Wall – in (mm)	4-1/2" (114)
Wheel Base Length – in (mm)	13" (332)
Weight Crated – lbs. (kg)	240 (109)
Weight Uncrated – lbs (kg)	220 (100)

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

PRODUCT FEATURES



Fast Release Guard

The quick release pull pin keeps the blade guard locked down for safety during operation. No more jam nuts or tools needed - just pull and lift.



Tough Frame and Raised Axle

Thick, heavy-duty gauge metal frame endures the hardest of users and job sites. Resists twisting for a tried and true straight cut.



Uncomplicated Control Panel

Everything at your fingertips to manage the saw with ease: depth locking mechanism, emergency shut off and water valve within easy reach.



Rental equipment has to withstand any and all conditions by user and application. For that reason, the Norton Clipper C13PE or CP14PE suits any rental fleet that both the novice and expert will appreciate to hold-up through tough situations. The 18" blade guard, ride-on water system and quick-release blade guard lock all keep safety in mind while the rugged frame, powerful engine and easy-to-use console makes cutting a breeze.

TECHNICAL SPECIFICATIONS	C13PE	C14PE
Product Number	701846 **47524** 2	701846 **47525** 9
Blade Guard Capacity - in (mm)	18" (457)	18" (457)
Maximum Depth of Cut - in (mm)	6-5/8" (168)	6-5/8" (168)
Arbor Size - in (mm)	1" (25)	1" (25)
Blade Flange Diameter - in (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2,700	2,700
Blade Shaft Diameter - in (mm)	1.00" (25.4)	1.00" (25.4)
Blade Shaft Bearings	Heavy Duty Pillow Block	Heavy Duty Pillow Block
Blade Shaft Drive	3 Belts	3 Belts
Blade Guard Attachment	Hinged, All Steel	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed	Hand Wheel/Screw Feed
Axle - Front - in (mm)	.75" (19)	.75" (19)
Axle - Rear - in (mm)	.75" (19)	.75" (19)
Wheels - Front - in (mm) D x W x B	4"x1.5"x.75" (102x38x19)	4"x1.5"x.75" (102x38x19)
Wheels - Rear - in (mm) D x W x B	8"x2.50"x.75" (203x64x19)	8"x2.50"x.75" (203x64x19)
Handle Bars/Adjustment Length - in (mm)	-NA-	-NA-
Water Tank Capacity - gal (l)	-NA-	-NA-
Control	Push	Push
Chassis	Heavy Duty Box Design	Heavy Duty Box Design
Power Source	Gasoline, Single Cylinder 4 Cycle	Gasoline, Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX390	Subaru EX14
Specifications	GX390K1QXC9	EX400DP0281
Maximum Horsepower*	13 HP (9.5 kW)	14 HP (10.2 kW)
Net Horse Power*	11 HP (8.2 kW)	12 HP (8.8 kW)
Displacement - cu In (l)	23.7 cu in (0.39 l)	24.65 cu in (.404 l)
Bore - in (mm)	3.5" (88)	3.5" (88)
Stroke - in (mm)	2.5" (64)	2.56" (65)
Cylinders/Cycle	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity - gal (l)	1.79 gal. (6.5 l)	1.8 gal (6.8 l)
Oil Capacity - qt (l)	1.16 qt. (1.1 l)	1.28 qt (1.2 l)
Air Filter	Four Stage Cyclone	Four Stage Cyclone
Starter	Manual	Manual
Engine Cooling	Forced Air	Forced Air
Saw Dimensions		
Height - in (mm)	38-13/16" (986)	38-13/16" (986)
Minimum Saw Length (Transport) - in (mm)	42-3/4" (1086)	42-3/4" (1086)
Maximum Saw Length (Working) - in (mm)	63" (1600)	63" (1600)
Maximum Pointer Length - in (mm)	20" (508)	20" (508)
Frame Width - in (mm)	16-1/2" (419)	16-1/2" (419)
Saw Width - in (mm)	21-27/64" (544)	21-27/64" (544)
Front (Outside to Outside Wheel Width) - in (mm)	14-17/32" (369)	14-17/32" (369)
Rear (Outside to Outside Wheel Width) - in (mm)	19-9/32" (490)	19-9/32" (490)
Blade to Wall - in (mm)	1-23/32" (44)	1-23/32" (44)
Wheel Base Length - in (mm)	15-3/4" (400)	15-3/4" (400)
Weight Crated – lbs. (kg)	240 (109)	240 (109)
Weight - Uncrated - lbs (kg)	220 (100)	220 (100)

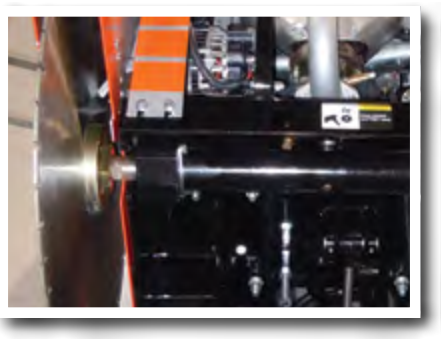
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PRODUCT FEATURES



Removable Panels
Removable rear and side panels make clean up and preventative maintenance easier.



Heavy-Duty Blade Shaft
Totally enclosed, heavy-duty blade shaft in oil bath for extended life and low maintenance.



Ergonomic Controls
Compact design for single hand operation of forward/reverse and raise/lower.



There are few that compete with the C48 series featuring the Tier IV water-cooled Hyundai engine. Perfect for rental applications, patch jobs, green cutting and other service work. The C48 series provides the best features of our service saw line. Pushing 48HP, it makes cutting smooth and easy and available up to 36" blade diameter.

TECHNICAL SPECIFICATIONS	C4826SD	C4830SD	C4836SD
Product Number	701846 **42472** 1	701846 **42474** 5	701846 **42476** 9
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Gasoline		
Engine Type	Hyundai		
Specifications	ZPP 416		
Maximum Horsepower*	48 HP (35.8kw)		
Displacement – cu In (l)	97.6 cu in (1.6 l)		
Bore – in (mm)	3" (76.5)		
Stroke – in (mm)	3.4" (87)		
Cylinders/Cycle	4 Cylinders 4 Cycle		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	3.9 qt. (3.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,220 (555)	1,220 (555)	1,220 (555)
Weight Uncrated – lbs (kg)	1,120 (510)	1,120 (510)	1,120 (510)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

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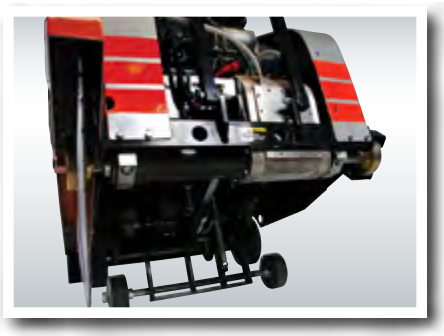


Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

PRODUCT FEATURES



Oil Bath Blade Shaft

Sealed oil bath blade shaft prevents the daily greasing and provides long hours of operation.



Powerful 35HP Gasoline Engine

The Vanguard, Big Block, V-Twin 35HP commercial gasoline engine is smooth and powerful, with proven performance.



Easy Operating Console

Simple, user-friendly layout increases operator productivity.



The 35HP engine has never been better since the introduction of the V-Twin air-cooled Vanguard engine. The strong gasoline engine mounted on a clean, uncomplicated frame makes the C35 series the best choice for small to mid-size applications. Packed with features for maximum performance, our operator-friendly design makes handling and preventative maintenance easier. The C35 series is an ideal saw for contractor work.

TECHNICAL SPECIFICATIONS	C3526SS	C3530SS
Product Number	701846 **42466** 0	701846 **42467** 7
Blade Guard Capacity – in (mm)	26" (660)	30" (762)
Maximum Depth of Cut – in (mm)	9-1/2" (241)	12-1/2" (318)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)
Blade Shaft RPM	1,900	1,900
Blade Shaft Diameter – in (mm)	1-7/16" (37)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	7 Belts	
Blade Guard Attachment	Quick Detach Bayonet	
Blade Control	Electric	
Axle – Front – in (mm)	1" (25.4)	
Axle – Rear – in (mm)	1" (25.4)	
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)	
Wheels – Rear D x W x B – in (mm)	8"x2-1/2"x1" (203x64x25)	
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)	
Transmission	Eaton Hydrostatic	
Rear End/Differential	Enclosed Gears	
Control	Forward/Reverse Control, Engage/Disengaged Controls	
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)	
Chassis	Heavy Duty jig-welded box frame	
Power Source	Gasoline, 2 Cylinders 4 Cycle	
Engine Type	Briggs Vanguard	
Specifications	61347701710	
Maximum Horsepower*	35 HP (26kw)	
Displacement – cu In (l)	60.6 cu in (0.993 l)	
Bore – in (mm)	3.366" (85.5)	
Stroke – in (mm)	3.406" (86.5)	
Cylinders/Cycle	2 Cylinders 4 Cycle	
Fuel Capacity – gal (l)	5 gal (18.9 l)	
Oil Capacity – qt (l)	2.5 qt. (2.4 l)	
Air Filter	Three Stage	
Starter	Electric	
Engine Cooling	Air	
Saw Dimensions		
Height – in (mm)	42" (1,069)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)	22-1/2" (572)
Saw Width – in (mm)	29" (737)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)	750 (341)
Weight Uncrated – lbs (kg)	650 (295)	650 (295)
Accessories		
20" Blade Guard	701846 **43382** 2	**246006**
26" Blade Guard	701846 **44384** 5	**246218**
30" Blade Guard	701846 **44385** 2	**246219**
Blade Guard Adapter Kit	701846 **45376** 9	**246261**
Light Kit w/magnetic base	701846 **26513** 3	**237244**
Water Pump Kit	701846 **45877** 1	**246292**

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**





Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Simple Maintenance Design
Easy to get to belt tensioning for quick replacements.



Spindle-Saver Blade Flanges
Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



Raised Axle
Heavy-duty boxed-in design resists bending and flexing during transport.



Manufactured with an uncomplicated, reinforced frame design to withstand the harshness of job cutting requirements on mid-sized jobs. Blade capabilities of 16", 20" or 24". The self-propelled hydrostatic transmission and the 4-V belt drive transfers maximum power to the blade shaft for ease of operation with dependable performance.

TECHNICAL SPECIFICATIONS	C2016SS	C2020SS	C2024SS
Product Number	701846 **27369** 5	701846 **27370** 1	701846 **27371** 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	24" (406)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	9-5/8" (244)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2120 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)		
Blade Shaft Bearings	Heavy Duty Pillow Block		
Blade Shaft Drive	4 Belts		
Blade Guard Attachment	Pivoting, All Steel		
Blade Control	Hand Wheel/Screw Feed		
Axle – Front – in. (mm)	3/4" (19)		
Axle – Rear – in. (mm)	3/4" (19)		
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)		
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)		
Handle Bars/Adjustment Length	20-5/8" (530)		
Transmission	Eaton Hydrostatic		
Control	Roller Gear		
Speed	0-220 FPM		
Chassis	Heavy duty jig-welded box frame		
Power Source	Gasoline, 2 Cylinders 4 Cycle		
Engine Type	Honda GX620		
Specifications	GX620TXF2		
Maximum Horsepower	20 HP (14.9 kW) – *		
Net Horsepower	18.1 HP (13.5 kW) – *		
Displacement – cu. In. (l)	37.5 cu in (.614 l)		
Bore – in. (mm)	3.3" (77)		
Stroke – in. (mm)	2.6" (66)		
Cylinders/Cycle	Two Cylinder 4 Cycle		
Fuel Capacity – gal (l)	2.12 gal. (8.03 l)		
Oil Capacity – qt (l)	1.90 qt. (1.8 l)		
Air Filter	Four Stage Honda		
Starter	Electric		
Engine Cooling	Forced Air		
Saw Dimensions			
Height	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	468 (212)	468 (212)	468 (212)
Weight Uncrated – lbs (kg)	428 (195)	428 (195)	428 (195)
Accessories			
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**	

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

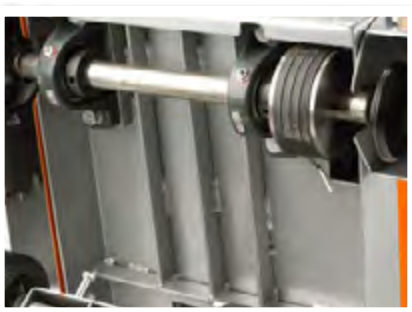


Water Tank Kit

PRODUCT FEATURES



Pivoting Blade Guard
All steel construction, with no springs or hinges, eliminates possible breakage.



Heavy-Duty Box Frame
Resists bending and flexing for a solid design.



Eaton Transmission
Hydro-static for infinitely variable forward and reverse speeds.



Combining all the features of the larger self-propelled Norton Clipper saw, this saw features a strong 13HP Honda engine in either manual or electric start. Constructed with a well-balanced and narrow box frame with right or left cutting capability, these flat saws are very versatile on any size job site.

TECHNICAL SPECIFICATIONS	C1316SM	C1320SM	C1316SS	C1320SS
Product Number	701846 **27365** 7	701846 **27366** 4	701846 **27367** 1	701846 **27368** 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	16" (305)	20" (356)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	5-5/8" (140)	7-5/8" (193)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2520 RPM	2520 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)			
Blade Shaft Bearings	Heavy Duty Pillow Block			
Blade Shaft Drive	4 Belts			
Blade Guard Attachment	Pivoting, All Steel			
Blade Control	Hand Wheel/Screw Feed			
Axle – Front – in. (mm)	3/4" (19)			
Axle – Rear – in. (mm)	3/4" (19)			
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)			
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)			
Handle Bars/Adjustment Length	20-5/8" (530)			
Transmission	Eaton Hydrostatic			
Control	Roller Gear			
Speed	0-220 FPM			
Chassis	Heavy duty jig-welded box frame			
Power Source	Gasoline, Single Cylinder 4 Cycle			
Engine Type	Honda GX390			
Specifications	GX390K1QXC9	GX390K1QXC9	GX390K1QAE2	GX390K1QAE2
Maximum Horsepower	13 HP (9.5 kW) – *			
Net Horsepower	11 HP (8.2 kW) – *			
Displacement – cu. In. (l)	23.7 cu in (0.39)			
Bore – in. (mm)	3.5" (88)			
Stroke – in. (mm)	2.5" (64)			
Cylinders/Cycle	Single Cylinder 4 Cycle			
Fuel Capacity – gal. (l)	1.79 gal. (6.5 l)			
Oil Capacity – qt. (l)	1.16 qt. (1.1 l)			
Air Filter	Four Stage Honda	Four Stage Honda	Two Stage Honda	Two Stage Honda
Starter	Manual	Manual	Electric	Electric
Engine Cooling	Air			
Saw Dimensions				
Height	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	425 (193)	425 (193)	445 (202)	445 (202)
Weight Uncrated – lbs (kg)	385 (175)	385 (175)	405 (175)	405 (175)
Accessories				
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**		

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**



Water Tank Kit

PRODUCT FEATURES



Streamlined Console
Simple, clean and easy to operator controls for left or right side cutting.



Handle Bar Positioning
Multi-position handle bars offer operators better control and comfort.



Battery Charger
Charging plug ensures continuous power for the raise and lower function.



When your job requires an alternative to a fuel engine saw, look no further than the Norton Clipper electric saw series. The C20ES series is mounted with a 20HP Baldor 480 volt, 3 phase motor providing maximum return on your investment. Mounted to the 35HP self-propelled frame, the C20ES electric series provides all the same features of multi-position handle bars, easy access rear and side panels, and ergonomic instrument cluster to service small to medium size jobs.

TECHNICAL SPECIFICATIONS	C2026ES
Product Number	701846 **42448** 6
Blade Guard Capacity – in (mm)	26" (660)
Maximum Depth of Cut – in (mm)	9-1/2" (241)
Arbor Size – in (mm)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)
Blade Shaft RPM	2,020
Blade Shaft Diameter – in (mm)	1-5/8" (41)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	7 Belts
Blade Guard Attachment	Quick Detach Bayonet
Blade Control	Electro-Hydraulic
Axle – Front – in (mm)	1" (25.4)
Axle – Rear – in (mm)	1" (25.4)
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)
Transmission	Eaton Hydrostatic
Rear End/Differential	Differential – Norton
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)
Chassis	Heavy Duty jig-welded box frame
Power Source	460v/60Hz/3Phase
Motor Type	Baldor
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	20 HP (14.9kw)
Air Filter	Three Stage
Starter	Electric
Engine Cooling	Air
Saw Dimensions	
Height – in (mm)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)
Saw Width – in (mm)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)
Weight Uncrated – lbs (kg)	700 (318)
Accessories	
20" Blade Guard	701846 **43382** 2
26" Blade Guard	701846 **44384** 5
Blade Guard Adapter Kit	701846 **45376** 9
Light Kit w/magnetic base	701846 **26513** 3

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**





Blade Guard



Blade Guard Adapter Kit


clipper
clipper



GMAX
DIAMOND BLADES

Designed with a thicker core that resists flexing and provides a straighter cut with less spalling, GMAX makes quick work of early entry/green concrete cutting. The anchor slot gullets reduce vibration for less chipping. And, the exclusive universal arbor adapts to all models.



Anchor Slot Gullet Technology
Increases productivity by reducing vibration, for a smoother cut, while keeping the blade cool and extending life.



Thicker Core
Resists flexing and provides a straighter and faster cut for less spalling.



Exclusive Universal Arbor
Allows the GMAX blade to be used on most early entry/green concrete saws.

Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *EARLY ENTRY*

Having the right blade for green concrete cutting is essential to getting the smoothest cut without spalling. The GMAX diamond blade series with its anchor slot gullet technology reduces vibration that results in chipping and irregular cut patterns. A thick core, special bond and diamond combination allows the blade to cut faster on most all saws, with perfection. Available in three different matrixes to reduce your time on the job in any aggregate type.

GMAX – HARD AGGREGATE



Offers the best friability of diamond to ensure the operator maintains a smooth cut in the hardest materials, like flint and chert.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41868** 3	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41863** 8	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41860** 7	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41869** 0	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

GMAX – MEDIUM/HARD AGGREGATE



For non-to-medium abrasive sand, granite and quartz type materials. The high-quality bond and diamond configuration, along with the core features of the red specification, ensures a smooth, flawless cut.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41867** 6	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41864** 5	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41862** 1	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41870** 6	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

GMAX – MEDIUM/SOFT AGGREGATE



The yellow segment specification makes early entry cutting easy in limestone, granite and other softer aggregate mixtures.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **41866** 9	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 **41865** 2	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 **41861** 4	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 **41871** 3	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp

DRY – *GREEN/CURED CONCRETE*

GMAX – MULTI-PURPOSE



Designed specifically for our GC55/GC25E down-cut green concrete push saw, the GMAX Multi-Purpose blade is excellent in both green and cured concrete. The unique segment specification and anchor slot gullet allows this blade to be used in a variety of applications with outstanding results.

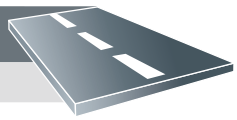
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **83758** 3	NXDGRN0895	8 x .095 x 7/8-5/8	8730	.295"	6hp
701846 **75125** 4	EE9110	9 x .110 x 7/8-5/8	6600	.295"	6hp
701846 **84508** 3	EE10110	10 x .110 x 1-7/8-5/8	6115	.295"	6hp



For precision green cutting, use the GMAX line of early entry blades, up to 10", on the **Norton Clipper GC55** push saw.

See page 54 for details.

Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – *ASPHALT OVER CONCRETE*

CHARGER

Manufactured for asphalt over concrete and other abrasive materials cutting. Designed to run efficiently on flat saws up to 35 HP while producing an even clean cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81485** 0	CGWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 **81486** 7	CGWAOC1812	18 x .125 x 1	3395	.326"	35hp
701846 **81487** 4	CGWAOC2415	24 x .155 x 1	2550	.326"	35hp
701846 **83395** 0	CGWAOC2617	26 x .175 x 1	2350	.326"	35hp
701846 **83396** 7	CGWAOC3018	30 x .187 x 1	2040	.326"	35hp
701846 **83397** 4	CGWAOC3618	36 x .187 x 1	1700	.326"	35hp



NORTON CLASSIC

Lower cost but high performance blade ideal for general purpose cutting in asphalt over concrete applications on low horse power saws. Tailored with undercut protection to retard segment wear for maximum debris removal.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81482** 9	CHWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 **81483** 6	CHWAOC1812	18 x .125 x 1	3395	.326"	35hp



DRY – *CRACK CHASING*

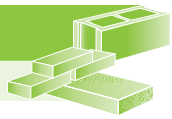
CHARGER

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83856** 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 **83859** 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"



General Purpose and Masonry Building Materials



Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *GENERAL PURPOSE*

CHARGER

A high performance, laser welded blade designed with quality segments for cutting concrete and medium hard materials with medium reinforcing. Best blade for smaller saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
076607 **56267** 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.472"	20hp
076607 **01229** 6	CGHSGP1620	16 x .125 x 1/20mm	4725	.472"	20hp



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *GENERAL PURPOSE*

NORTON CLASSIC

The improved bond provides longer life at an economical price in medium hard materials, such as concrete with light to medium reinforcement.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81309** 9	COHSGP1420	14 x .110 x 1/20mm	5460	.393"	20hp
701846 **84268** 6	COHSGP1420P	14 x .125 x 1/20mm	5460	.393"	20hp



VALUPLUS SS

For value and performance on small to medium jobs. Provides fast cutting and the .472" taller sintered super segment (SS) increases blade life. Perfect blade on smaller flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84465** 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"	13hp



VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84181** 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84428** 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"	13hp



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

DRY – *MULTI PURPOSE*

4X4 MAX CUT

Taking high-speed cutting versatility to an all new level. The same standard features as the 4X4 with its anti-crack gullets and patented depth indicators that not only cool the blade but also allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials while excelling in steel. New segment wear indicators give the operator an idea of remaining blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **45927** 3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"	13hp
701846 **45926** 6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"	13hp



4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84548** 9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 **84547** 2	4X414125	14 x .125 x 1/20mm	5460	.393"



a paradigm shift
CUTTING CURED CONCRETE

A unique blend specification increase blade speed and product for optimal performance in multiple flat saw horsepower ranges and aggregate types. No need to stock multiple specs when Norton Paradigm can meet all the needs. And, reduced inventory means cash to the bottom line.





New Bond Technology
Allows for extremely fast cutting; even in the hardest aggregates.



Blade Protection
Standard radius drop segments provides additional undercutting protection extending the life of the blade.



Easy to Get Inventory
Comes in a full range of stock inventory of professional blades to cover most market needs.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *HARD AGGREGATES*

PARADIGM



Paradigm technology combines a unique specification blend that increases blade speed and product life to optimize performance in multiple flat saw horsepower ranges and aggregate types.

UPC	PART #	SIZE	AGGREGATE	SEGMENT HEIGHT	POWER
701846 **46313** RDS	C1170	14 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46314** RDS	C1170	16 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46389**	C2370	16 x .125 x 1	Medium	.460"	48 hp+
701846 **46319** RDS	C1170	18 x .125 x 1	Soft	.460"	35 - 48hp
701846 **46410**	C2570	18 x .155 x 1	Hard	.460"	48 hp+
701846 **46376**	C2170	20 x .155 x 1	Soft	.460"	48 hp+
701846 **46394**	C2370	20 x .155 x 1	Medium	.460"	48 hp+
701846 **46395** RDS	C2370R	24 x .155 x 1	Medium	.460"	48 hp+
701846 **46325** RDS	C1170R	26 x .155 x 1	Soft	.460"	35 - 48hp
701846 **46397** RDS	C2370R	26 x .155 x 1	Medium	.460"	35 - 48hp
701846 **46326** RDS	C1170R	26 x .165 x 1	Soft	.460"	35 - 48hp
701846 **46398** RDS	C2370R	26 x .165 x 1	Medium	.460"	48 hp+
701846 **46384** RDS	C2160R	36 x .187 x 1	Soft	.410"	48 hp+
701846 **46388**	C2370	14 x .125 x 1	Medium	.460"	48 hp+
701846 **46424**	C2680	14 x .125 x 1	Hard	.510"	48 hp+
701846 **46337**	C1370	18 x .125 x 1	Medium	.460"	35 - 48hp
701846 **46374**	C2170	18 x .155 x 1	Soft	.460"	48 hp+
701846 **46392**	C2370	18 x .155 x 1	Medium	.460"	48 hp+
701846 **46430**	C2680HRAS	20 x .155 x 1	Hard	.510"	48 hp+
701846 **46323** RDS	C1170R	24 x .155 x 1	Soft	.460"	35 - 48hp
701846 **47288**	C1370	24 x .175 x 1	Medium	.460"	35 - 48hp
701846 **46361** RDS	C1570R	26 x .155 x 1	Hard	.460"	35 - 48hp
701846 **46382** RDS	C2170R	30 x .165 x 1	Soft	.460"	48 hp+
701846 **46400** RDS	C2370R	30 x .165 x 1	Medium	.460"	48 hp+
701846 **46912** RDS	C3580	30 x .165 x 1	Hard	.510"	66 hp+
701846 **47390** RDS	C2770R	30 x .175 x 1	Medium	.460"	48 hp+
701846 **46402** RDS	C2360R	36 x .187 x 1	Medium	.410"	48 hp+
701846 **46420** RDS	C2560R	36 x .187 x 1	Hard	.410"	48 hp+
701846 **46475** RDS	C3360R	42 x .190 x 1	Medium	.410"	66 hp+
701846 **46386** RDS	C2160R	48 x .190 x 1	Soft	.410"	48 hp+

CHARGER



High performance wet cutting hard aggregates with medium reinforcement. The increased diamond depth in the segment specification allows extended life and fast cut for medium to large jobs. Deep sawing is easily achieved on saws up to 35 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81363** 1	CGWCHD1411	14 x .110 x 1	4365	.410"	35hp
701846 **81365** 5	CGWCHD1412	14 x .125 x 1	4365	.410"	35hp
701846 **81367** 9	CGWCHD1812	18 x .125 x 1	3395	.410"	35hp
701846 **83918** 1	CGWCHD2012	20 x .125 x 1	3055	.410"	35hp
701846 **81467** 6	CGWCHD2415	24 x .155 x 1	2550	.410"	35hp
701846 **83919** 8	CGWCHD2417	24 x .175 x 1	2550	.410"	35hp
701846 **81471** 3	CGWCHD2615	26 x .155 x 1	2350	.410"	35hp
701846 **83920** 4	CGWCHD3017	30 x .175 x 1	2040	.410"	35hp
701846 **83921** 1	CGWCHD3618	36 x .187 x 1	1700	.410"	35hp

DRY – *HARD AGGREGATES*

DUO EVO



The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials. An excellent blade for low horsepower flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84218** 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"	13hp
701846 **84549** 6	DUOEVO16125	16 x .125 x 1	4725	.472"	13hp

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *MEDIUM AGGREGATES*

CHARGER



The steel core is designed to keep the cut straight while the .410" segment height prolongs cutting wear. Suitable for cutting medium aggregates with 35 HP up to 72 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81364** 8	CGWCMD1411	14 x .110 x 1	4365	.410"	35hp
701846 **81366** 2	CGWCMD1412	14 x .125 x 1	4365	.410"	35hp
701846 **83963** 1	CGWCMD1612	16 x .125 x 1	3820	.410"	35hp
701846 **81368** 6	CGWCMD1812	18 x .125 x 1	3395	.410"	35hp
701846 **83965** 5	CGWCMD2012	20 x .125 x 1	3055	.410"	35hp
701846 **81468** 3	CGWCMD2415	24 x .155 x 1	2550	.410"	35hp
701846 **81472** 0	CGWCMD2615	26 x .155 x 1	2350	.410"	35hp
701846 **83969** 3	CGWCMD3618	36 x .187 x 1	1700	.410"	35hp

NORTON CLASSIC



Laser welded blade at an economical price for general purpose cutting of cured concrete, medium hard aggregate and no steel reinforcement. The bond and diamond combination allow fast cutting action on limited horse powered flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81358** 7	CHWCGP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81359** 4	CHWCGP1412	14 x .125 x 1	4365	.326"	35hp
701846 **81360** 0	CHWCGP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81361** 7	CHWCGP1812	18 x .125 x 1	3395	.326"	35hp
701846 **81362** 4	CHWCGP2012	20 x .125 x 1	3055	.326"	35hp
701846 **81465** 2	CHWCGP2415	24 x .155 x 1	2550	.326"	35hp
701846 **83833** 7	CHWCGP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83386** 8	CHWCGP3017	30 x .175 x 1	2040	.326"	35hp

DRY – *MEDIUM AGGREGATES*

DUO



The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to low reinforcement, hard materials – general purpose. Smooth operation when used on 13 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **83612** 8	DUO14110	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 **83613** 5	DUO14125	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 **83798** 9	DUO16125	16 x .125 x 1/20mm	4725	.393"	13hp

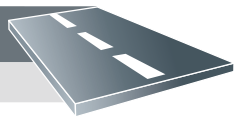
CHARGER



High performance dry cutting concrete in medium hard aggregates and cured concrete. The segment specification allows extended life and fast cut on saws with limited horsepower.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81418** 8	CGDCON1401	14 x .125 x 1	4365	.360"	20hp

Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – *ASPHALT*

CHARGER



For large road and construction jobs with saws up to 35 HP. Higher diamond content increases productivity and offers faster cutting and longer life in asphalt and green concrete applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81477** 5	CGWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81478** 2	CGWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 **83912** 9	CGWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81479** 9	CGWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 **83927** 3	CGWASP2417	24 x .175 x 1	2550	.326"	35hp
701846 **83928** 0	CGWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83929** 7	CGWASP3017	30 x .175 x 1	2040	.326"	35hp
701846 **84024** 8	CGWASP3618	36 x .187 x 1	1700	.326"	35hp

NORTON CLASSIC



An economical choice for fast cutting and good life when performing jobs in a variety of abrasive materials such as green concrete and asphalt on saws up to 35 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84364** 5	CHWASP1225	12 x .250 x 1 Loop Saw	5095	.326"	35hp
701846 **84348** 5	CHWASP1250	12 x .500 x 1 Loop Saw	5095	.326"	35hp
701846 **81374** 7	CHWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 **81375** 4	CHWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 **83895** 5	CHWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 **81376** 1	CHWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 **83897** 9	CHWASP2012	20 x .125 x 1	3055	.326"	35hp
701846 **81476** 8	CHWASP2415	24 x .155 x 1	2550	.326"	35hp
701846 **83900** 6	CHWASP2418	24 x .187 x 1	2550	.326"	35hp
701846 **83899** 3	CHWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 **83903** 7	CHWASP3018	30 x .187 x 1	2040	.326"	35hp

DRY – *ASPHALT*

DUO ASPHALT



Combines the characteristics of original DUO blade with 8 special wear-retardant drop segments that protect against undercutting. Highest performing blade in asphalt and green concrete. Large scoop gullets for faster debris removal increasing cutting speed. The patented stroboscopic indicators help operators control depth of cut and blade rotation. Performance is optimized when cutting with several passes.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84315** 7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"	20hp
701846 **84544** 1	DUOASP16125	16 x .125 x 1/20mm	4725	.393"	20hp

DUO ABRASIVE



Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **84292** 1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"	20hp

Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *ASPHALT* (CONTINUED)

CHARGER

High performance dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when dry cutting with 20 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81412** 6	CGDASP1420	14 x .125 x 1/20mm	5460	.288"	20hp



NORTON CLASSIC

Ideal blade for small to medium size jobs with 20 HP saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
076607 **01231** 9	CHDASP1420	14 x .125 x 1/20mm	5460	.263"	20hp
701846 **84429** 1	COHSABR1420	14 x .125 x 1/20mm	5460	.263"	20hp
076607 **01230** 2	CHDASP1620	16 x .125 x 1/20mm	4725	.263"	20hp



WET – *GREEN CONCRETE*

PARADIGM

Green cutting is harsh on the performance of a diamond blade and warrants the highest of quality. Choose from the popular Norton Paradigm series with specification grades to meet the demands of any aggregate mixture.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **43592** RDS	G1160R	14 x .145 x 1	4365	.410"	35hp +
701846 **44152** RDS	G1360R	14 x .190 x 1	4365	.410"	35hp +
701846 **44154** RDS	G1160R	14 x .250 x 1	4365	.410"	35hp +
701846 **44153** RDS	G1360R	14 x .250 x 1	4365	.410"	35hp +
701846 **91929** RDS	G2580R	16 x .145 x 1	3820	.510"	35hp +



NORTON CLASSIC

Ideal blade for yielding a high return on performance to cost ratio. Segments are designed for faster cutting and longer life on smaller flat saws in green concrete.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81473** 7	CHWGGP1212	12 x .125 x 1	5095	.295"	35hp
701846 **81474** 4	CHWGGP1412	14 x .125 x 1	4365	.295"	35hp
701846 **81475** 1	CHWGGP1812	18 x .125 x 1	3395	.295"	35hp



DRY – *GREEN CONCRETE*

CHARGER

A high performance, laser welded blade designed for green concrete cutting. High quality segments produce a clean cut with reduced spalling on larger saws up to 20 HP in early entry applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 **81419** 5	CGDGRN1201	12 x .125 x 1	5095	.263"	20hp
701846 **81420** 1	CGDGRN1401	14 x .125 x 1	4365	.263"	20hp



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

REINFORCED CUT-OFF WHEELS

GEMINI ASPHALT - HP

Hot pressed (HP) for higher horsepower machine applications where additional durability is needed.

UPC	SIZE	MAX RPM	STD PKG
701846 **70100** 6	14 x 3/16 x 1	4365	10
701846 **70099** 3	14 x 1/4 x 1	4365	5
701846 **70103** 7	18 x 1/4 x 1	4250	5
701846 **48998** 0	18 x 3/8 x 1	4250	5



GEMINI ASPHALT - CP

Cold pressed (CP) for lower horsepower machines, which need a free-cutting wheel.

UPC	SIZE	MAX RPM	STD PKG
701846 **80324** 3	14 x 3/16 x 1	4365	10
701846 **70535** 6	14 x 1/4 x 1	4365	5
701846 **70098** 6	18 x 1/4 x 1	4250	5



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE

Silicon carbide specification for brick, block, concrete, and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
701846 **80323** 6	14 x 3/16 x 1	4365	10
701846 **70533** 2	14 x 1/4 x 1	4365	5



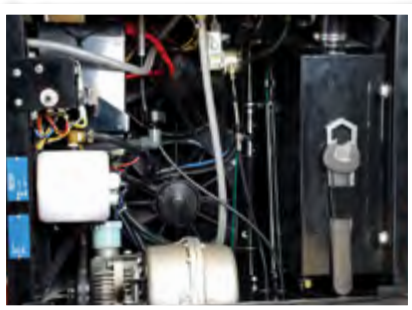
PRODUCT FEATURES



3-Speed Gear Box
Provides multiple shaft speeds without changing belts and pulleys.



Powerband for True Performance
A 10-groove powerband transmits complete power for improved performance.



Removable Panels
Easy access to engine and underneath console is the key to quick preventative maintenance.



It doesn't come any better than having a 3-speed gear box backed by the 59HP, EPA-compliant Kubota, 4 cylinder water cooled turbo diesel engine. It has all the same features as our C59 series but having the convenience of being able to change shaft speeds on the fly allows you to move from blade size and application without downtime. Putting money back into your pocket.

TECHNICAL SPECIFICATIONS	C5926GS	C5930GS	C5936GS
Product Number	701846 **45124** 6	701846 **45125** 3	701846 **45126** 0
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2220/1490/975	H/M/L 2220/1490/975	H/M/L 2220/1490/975
Blade Size vs. Gear Selection	H =14-20, M=24-30, L=36-42	H =14-20, M=24-30, L=36-42	H =14-20, M=24-30, L=36-42
Blade Shaft Diameter - in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	1 Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement - cu In (l)	148.5 in.^{3} (2,434 cm^3)		
Bore - in (mm)	3.43" (87)		
Stroke - in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity - gal (l)	9 gal. (34 l)		
Oil Capacity - qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height - in (mm)	53-1/2" (1346)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	70" (1778)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	140-1/2" (3568)		
Maximum Pointer Length - in (mm)	62" (1574)		
Frame Width - in (mm)	31-1/2" (800)		
Saw Width - in (mm)	39-1/2" (1270)		
Front (Outside to Outside Wheel Width) - in (mm)	28" (711)		
Rear (Outside to Outside Wheel Width) - in (mm)	32" (812)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	20-1/2" (570)		
Weight Crated - lbs (kg)	1885 (855)		
Weight Uncrated - lbs (kg)	1870 (848)		
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY ENGINE MANUFACTURER**





Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Convenient Console Design
Ergonomic console and instrument panel allows operator comfort with reduced fatigue.



Powerful Engine
All the power you need comes from the Kubota liquid-cooled, turbo-charged diesel engine.



Clean Internal Design
Removable rear and side panels and the roomy internal design makes preventative maintenance easier.



With ample power to finish any sized job, the C59 series is designed for joint-cutting, green or cured concrete and asphalt sawing and is available in 26", 30" and 36" blade capacity. Equipped with a 59HP, EPA- compliant Kubota, 4 cylinder, water-cooled, turbo diesel engine, this machine delivers long, maintenance-free hours of operation. Finished with a strong, clean, simple design and standard features, such as a full ergonomic console, instrument panel and completely enclosed blade shaft with oil bath.

TECHNICAL SPECIFICATIONS	C5926SS	C5930SS	C5936SS
Product Number	701846 **44179** 7	701846 **44180** 3	701846 **44181** 0
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM	2,469	2,194	1,340
Blade Shaft Diameter – in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward)	0-100 FPM (Reverse)	
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement – cu In (l)	148.5 in.3 (2,434 cm3)		
Bore – in (mm)	3.43" (87)		
Stroke – in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity – gal (l)	9 gal. (34 l)		
Oil Capacity – qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height – in (mm)	53-1/2" (1346)	53-1/2" (1346)	53-1/2" (1346)
Minimum Saw Length (Transport) – in (mm)	70" (1778)	70" (1778)	70" (1778)
Maximum Saw Length (Working) – in (mm)	140-1/2" (3568)	140-1/2" (3568)	140-1/2" (3568)
Maximum Pointer Length – in (mm)	62" (1574)	62" (1574)	62" (1574)
Frame Width – in (mm)	31-1/2" (800)	31-1/2" (800)	31-1/2" (800)
Saw Width – in (mm)	39-1/2" (1270)	39-1/2" (1270)	39-1/2" (1270)
Front (Outside to Outside Wheel Width) – in (mm)	28" (711)	28" (711)	28" (711)
Rear (Outside to Outside Wheel Width) – in (mm)	32" (812)	32" (812)	32" (812)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	20-1/2" (570)	20-1/2" (570)	20-1/2" (570)
Weight Crated – lbs (kg)	1825 (821)	1825 (821)	1825 (821)
Weight Uncrated – lbs (kg)	1810 (827)	1810 (827)	1810 (827)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

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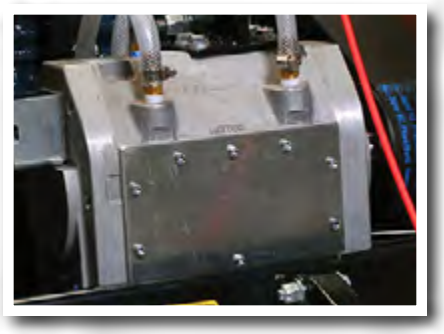


Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

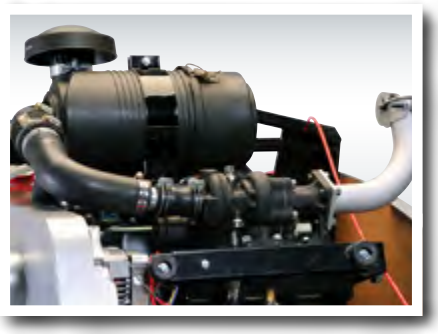
PRODUCT FEATURES



3-Speed Gear Box
Provides multiple shaft speeds without changing belts and pulleys.



Interchangeable Blade Guards
Allows sizes from 20" to 36" to be used on the same saw throughout our saw series.



44HP Kubota Engine
More than enough power to get the job done. The Kubota 44HP delivers raw power and long hours of maintenance free life.



The C44GD series of gear box saws brings a compact platform with power enough to finish any job. Perfect for service work with its balanced platform for maximum maneuverability. Interchangeable blade guards for quick changing of sawing applications. Backed by the water-cooled Kubota 44HP turbo diesel engine that is EPA Tier IV and CARB compliant, the C44 with a gear box makes it a saw every fleet should have.

TECHNICAL SPECIFICATIONS	C4426GD	C4430GD	C4436GD
Product Number	701846 **42487** 5	701846 **42489** 9	701846 **42492** 2
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300
Blade Size vs. Gear Selection	H =12-16, M=18-26, L=30-36	H =12-16, M=18-26, L=30-36	H =12-16, M=18-26, L=30-36
Blade Shaft Diameter - in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement - cu In (l)	91.4 cu in (1,498 l)		
Bore - in (mm)	3.07" (78)		
Stroke - in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity - gal (l)	5.75 gal (21.7 l)		
Oil Capacity - qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height - in (mm)	50" (1,270)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	64-1/4" (1,632)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	107-1/2" (2,731)		
Maximum Pointer Length - in (mm)	21-1/4" (540)		
Frame Width - in (mm)	27" (686)		
Saw Width - in (mm)	34-3/4" (863)		
Front (Outside to Outside Wheel Width) - in (mm)	17" (432)		
Rear (Outside to Outside Wheel Width) - in (mm)	27-1/2" (699)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	16-1/2" (419)		
Weight Crated - lbs (kg)	1,240 (562)		
Weight Uncrated - lbs (kg)	1,140 (517)		
ACCESSORIES			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

***= DATA PROVIDED BY ENGINE MANUFACTURER**



Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

PRODUCT FEATURES



Frame Design
Perfectly balanced allowing optimum operator maneuverability while reducing fatigue.



Instrument Panel
Open panel layout for quick access to critical instrumentation.



Blade Guard Design
Quick-change design reduces labor time, with maintenance-free locking mechanism.



The C44 series is the ideal saw to meet today's demands. High production is found through the Kubota 44HP liquid-cooled turbo diesel engine. Meeting the EPA Tier IV and CARB standards, the Kubota is strong enough to achieve the best results in a variety of applications with long, maintenance-free engine life. With a balanced platform, the C44 puts the right amount of weight over the cut with exceptional free-wheeling maneuverability. Available in 20", 26", 30" and 36" with inter-changing blade guards. Compact, robust with performance.

TECHNICAL SPECIFICATIONS	C4426SD	C4430SD	C4436SD
Product Number	701846 **42486** 8	701846 **42488** 2	701846 **42490** 5
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement – cu In (l)	91.4 cu in (1,498 l)		
Bore – in (mm)	3.07" (78)		
Stroke – in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,180 (536)	1,180 (536)	1,180 (536)
Weight Uncrated – lbs (kg)	1,080 (490)	1,080 (490)	1,080 (490)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

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Blade Guard



Blade Guard Adapter Kit

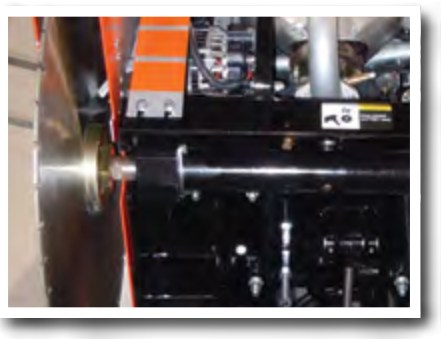


Water Pump Kit

PRODUCT FEATURES



Removable Panels
Removable rear and side panels make clean up and preventative maintenance easier.



Heavy-Duty Blade Shaft
Totally enclosed, heavy-duty blade shaft in oil bath for extended life and low maintenance.



Ergonomic Controls
Compact design for single hand operation of forward/reverse and raise/lower.



There are few that compete with the C48 series featuring the Tier IV water-cooled Hyundai engine. Perfect for rental applications, patch jobs, green cutting and other service work. The C48 series provides the best features of our service saw line. Pushing 48HP, it makes cutting smooth and easy and available up to 36" blade diameter.

TECHNICAL SPECIFICATIONS	C4826SD	C4830SD	C4836SD
Product Number	701846 **42472** 1	701846 **42474** 5	701846 **42476** 9
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Gasoline		
Engine Type	Hyundai		
Specifications	ZPP 416		
Maximum Horsepower*	48 HP (35.8kw)		
Displacement – cu In (l)	97.6 cu in (1.6 l)		
Bore – in (mm)	3" (76.5)		
Stroke – in (mm)	3.4" (87)		
Cylinders/Cycle	4 Cylinders 4 Cycle		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	3.9 qt. (3.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,220 (555)	1,220 (555)	1,220 (555)
Weight Uncrated – lbs (kg)	1,120 (510)	1,120 (510)	1,120 (510)
Accessories			
20" Blade Guard	701846 **43382** 2	**246006**	
26" Blade Guard	701846 **44384** 5	**246218**	
30" Blade Guard	701846 **44385** 2	**246219**	
36" Blade Guard	701846 **44386** 9	**246239**	
Blade Guard Adapter Kit	701846 **45376** 9	**246261**	
Light Kit w/magnetic base	701846 **26513** 3	**237244**	
Water Pump Kit	701846 **45877** 1	**246292**	

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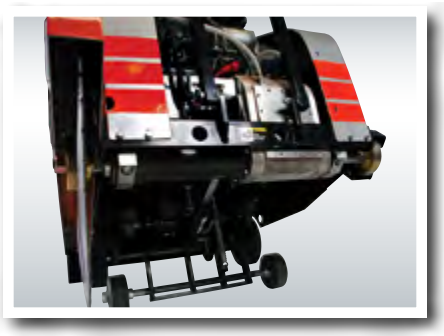


Blade Guard


Blade Guard Adapter Kit


Water Pump Kit

PRODUCT FEATURES



Oil Bath Blade Shaft

Sealed oil bath blade shaft prevents the daily greasing and provides long hours of operation.



Powerful 35HP Gasoline Engine

The Vanguard, Big Block, V-Twin 35HP commercial gasoline engine is smooth and powerful, with proven performance.



Easy Operating Console

Simple, user-friendly layout increases operator productivity.



The 35HP engine has never been better since the introduction of the V-Twin air-cooled Vanguard engine. The strong gasoline engine mounted on a clean, uncomplicated frame makes the C35 series the best choice for small to mid-size applications. Packed with features for maximum performance, our operator-friendly design makes handling and preventative maintenance easier. The C35 series is an ideal saw for contractor work.

TECHNICAL SPECIFICATIONS	C3526SS	C3530SS
Product Number	701846 **42466** 0	701846 **42467** 7
Blade Guard Capacity – in (mm)	26" (660)	30" (762)
Maximum Depth of Cut – in (mm)	9-1/2" (241)	12-1/2" (318)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)
Blade Shaft RPM	1,900	1,900
Blade Shaft Diameter – in (mm)	1-7/16" (37)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	7 Belts	
Blade Guard Attachment	Quick Detach Bayonet	
Blade Control	Electric	
Axle – Front – in (mm)	1" (25.4)	
Axle – Rear – in (mm)	1" (25.4)	
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)	
Wheels – Rear D x W x B – in (mm)	8"x2-1/2"x1" (203x64x25)	
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)	
Transmission	Eaton Hydrostatic	
Rear End/Differential	Enclosed Gears	
Control	Forward/Reverse Control, Engage/Disengaged Controls	
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)	
Chassis	Heavy Duty jig-welded box frame	
Power Source	Gasoline, 2 Cylinders 4 Cycle	
Engine Type	Briggs Vanguard	
Specifications	61347701710	
Maximum Horsepower*	35 HP (26kw)	
Displacement – cu In (l)	60.6 cu in (0.993 l)	
Bore – in (mm)	3.366" (85.5)	
Stroke – in (mm)	3.406" (86.5)	
Cylinders/Cycle	2 Cylinders 4 Cycle	
Fuel Capacity – gal (l)	5 gal (18.9 l)	
Oil Capacity – qt (l)	2.5 qt. (2.4 l)	
Air Filter	Three Stage	
Starter	Electric	
Engine Cooling	Air	
Saw Dimensions		
Height – in (mm)	42" (1,069)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)	22-1/2" (572)
Saw Width – in (mm)	29" (737)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)	750 (341)
Weight Uncrated – lbs (kg)	650 (295)	650 (295)
Accessories		
20" Blade Guard	701846 **43382** 2	**246006**
26" Blade Guard	701846 **44384** 5	**246218**
30" Blade Guard	701846 **44385** 2	**246219**
Blade Guard Adapter Kit	701846 **45376** 9	**246261**
Light Kit w/magnetic base	701846 **26513** 3	**237244**
Water Pump Kit	701846 **45877** 1	**246292**

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Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Simple Maintenance Design
Easy to get to belt tensioning for quick replacements.



Spindle-Saver Blade Flanges
Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



Raised Axle
Heavy-duty boxed-in design resists bending and flexing during transport.



Manufactured with an uncomplicated, reinforced frame design to withstand the harshness of job cutting requirements on mid-sized jobs. Blade capabilities of 16", 20" or 24". The self-propelled hydrostatic transmission and the 4-V belt drive transfers maximum power to the blade shaft for ease of operation with dependable performance.

TECHNICAL SPECIFICATIONS	C2016SS	C2020SS	C2024SS
Product Number	701846 **27369** 5	701846 **27370** 1	701846 **27371** 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	24" (406)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	9-5/8" (244)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2120 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)		
Blade Shaft Bearings	Heavy Duty Pillow Block		
Blade Shaft Drive	4 Belts		
Blade Guard Attachment	Pivoting, All Steel		
Blade Control	Hand Wheel/Screw Feed		
Axle – Front – in. (mm)	3/4" (19)		
Axle – Rear – in. (mm)	3/4" (19)		
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)		
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)		
Handle Bars/Adjustment Length	20-5/8" (530)		
Transmission	Eaton Hydrostatic		
Control	Roller Gear		
Speed	0-220 FPM		
Chassis	Heavy duty jig-welded box frame		
Power Source	Gasoline, 2 Cylinders 4 Cycle		
Engine Type	Honda GX620		
Specifications	GX620TXF2		
Maximum Horsepower	20 HP (14.9 kW) – *		
Net Horsepower	18.1 HP (13.5 kW) – *		
Displacement – cu. In. (l)	37.5 cu in (.614 l)		
Bore – in. (mm)	3.3" (77)		
Stroke – in. (mm)	2.6" (66)		
Cylinders/Cycle	Two Cylinder 4 Cycle		
Fuel Capacity – gal (l)	2.12 gal. (8.03 l)		
Oil Capacity – qt (l)	1.90 qt. (1.8 l)		
Air Filter	Four Stage Honda		
Starter	Electric		
Engine Cooling	Forced Air		
Saw Dimensions			
Height	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	468 (212)	468 (212)	468 (212)
Weight Uncrated – lbs (kg)	428 (195)	428 (195)	428 (195)
Accessories			
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**	

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

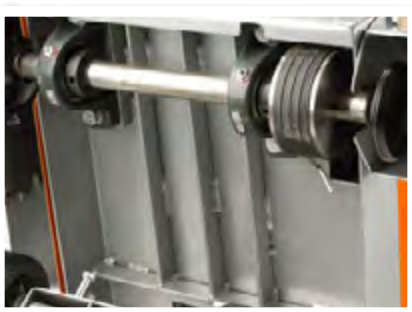


Water Tank Kit

PRODUCT FEATURES



Pivoting Blade Guard
All steel construction, with no springs or hinges, eliminates possible breakage.



Heavy-Duty Box Frame
Resists bending and flexing for a solid design.



Eaton Transmission
Hydro-static for infinitely variable forward and reverse speeds.



Combining all the features of the larger self-propelled Norton Clipper saw, this saw features a strong 13HP Honda engine in either manual or electric start. Constructed with a well-balanced and narrow box frame with right or left cutting capability, these flat saws are very versatile on any size job site.

TECHNICAL SPECIFICATIONS	C1316SM	C1320SM	C1316SS	C1320SS
Product Number	701846 **27365** 7	701846 **27366** 4	701846 **27367** 1	701846 **27368** 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	16" (305)	20" (356)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	5-5/8" (140)	7-5/8" (193)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2520 RPM	2520 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)			
Blade Shaft Bearings	Heavy Duty Pillow Block			
Blade Shaft Drive	4 Belts			
Blade Guard Attachment	Pivoting, All Steel			
Blade Control	Hand Wheel/Screw Feed			
Axle – Front – in. (mm)	3/4" (19)			
Axle – Rear – in. (mm)	3/4" (19)			
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)			
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)			
Handle Bars/Adjustment Length	20-5/8" (530)			
Transmission	Eaton Hydrostatic			
Control	Roller Gear			
Speed	0-220 FPM			
Chassis	Heavy duty jig-welded box frame			
Power Source	Gasoline, Single Cylinder 4 Cycle			
Engine Type	Honda GX390			
Specifications	GX390K1QXC9	GX390K1QXC9	GX390K1QAE2	GX390K1QAE2
Maximum Horsepower	13 HP (9.5 kW) – *			
Net Horsepower	11 HP (8.2 kW) – *			
Displacement – cu. In. (l)	23.7 cu in (0.39)			
Bore – in. (mm)	3.5" (88)			
Stroke – in. (mm)	2.5" (64)			
Cylinders/Cycle	Single Cylinder 4 Cycle			
Fuel Capacity – gal. (l)	1.79 gal. (6.5 l)			
Oil Capacity – qt. (l)	1.16 qt. (1.1 l)			
Air Filter	Four Stage Honda	Four Stage Honda	Two Stage Honda	Two Stage Honda
Starter	Manual	Manual	Electric	Electric
Engine Cooling	Air			
Saw Dimensions				
Height	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	425 (193)	425 (193)	445 (202)	445 (202)
Weight Uncrated – lbs (kg)	385 (175)	385 (175)	405 (175)	405 (175)
Accessories				
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**		

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Water Tank Kit

PRODUCT FEATURES



Streamlined Console
Simple, clean and easy to operator controls for left or right side cutting.



Handle Bar Positioning
Multi-position handle bars offer operators better control and comfort.



Battery Charger
Charging plug ensures continuous power for the raise and lower function.



When your job requires an alternative to a fuel engine saw, look no further than the Norton Clipper electric saw series. The C20ES series is mounted with a 20HP Baldor 480 volt, 3 phase motor providing maximum return on your investment. Mounted to the 35HP self-propelled frame, the C20ES electric series provides all the same features of multi-position handle bars, easy access rear and side panels, and ergonomic instrument cluster to service small to medium size jobs.

TECHNICAL SPECIFICATIONS	C2026ES
Product Number	701846 **42448** 6
Blade Guard Capacity – in (mm)	26" (660)
Maximum Depth of Cut – in (mm)	9-1/2" (241)
Arbor Size – in (mm)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)
Blade Shaft RPM	2,020
Blade Shaft Diameter – in (mm)	1-5/8" (41)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	7 Belts
Blade Guard Attachment	Quick Detach Bayonet
Blade Control	Electro-Hydraulic
Axle – Front – in (mm)	1" (25.4)
Axle – Rear – in (mm)	1" (25.4)
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)
Transmission	Eaton Hydrostatic
Rear End/Differential	Differential – Norton
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)
Chassis	Heavy Duty jig-welded box frame
Power Source	460v/60Hz/3Phase
Motor Type	Baldor
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	20 HP (14.9kw)
Air Filter	Three Stage
Starter	Electric
Engine Cooling	Air
Saw Dimensions	
Height – in (mm)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)
Saw Width – in (mm)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)
Weight Uncrated – lbs (kg)	700 (318)
Accessories	
20" Blade Guard	701846 **43382** 2
26" Blade Guard	701846 **44384** 5
Blade Guard Adapter Kit	701846 **45376** 9
Light Kit w/magnetic base	701846 **26513** 3

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Blade Guard



Blade Guard Adapter Kit

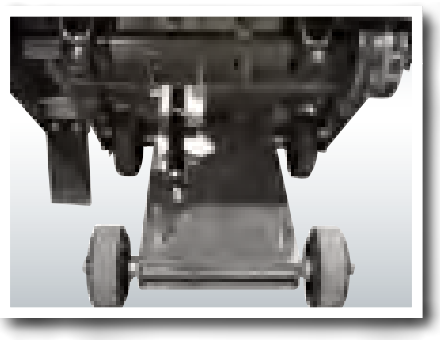
PRODUCT FEATURES



Spindle-Saver Blade Flanges
Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



Four V-Belts
Transferring maximum power to the blade shaft.



Reinforced Frame and Axle
Strongest in its class.



Small to medium contractor work demands performance with an economical solution. The C1320P brings the contractor the ideal saw with a heavy-duty box frame that resists bending and supported with the high-performing Honda 13HP engine. The heavy frame also provides a straighter cut. Changing or adjusting belts is simple with the single screw tensioner. The C1320P is in a class by itself.

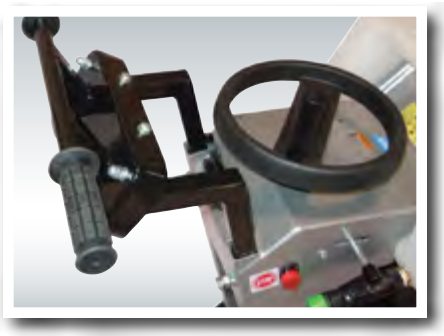
TECHNICAL SPECIFICATIONS	C1320P	
Product Number	701846 **42456** 1	
Blade Guard Capacity – in (mm)	20" (356)	
Maximum Depth of Cut – in (mm)	7-5/8" (193)	
Arbor Size – in (mm)	1" (25)	
Blade Flange Diameter – in (mm)	4-1/2" (114)	
Blade Shaft RPM	2520 RPM	
Blade Shaft Diameter – in (mm)	1-1/4" (32)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	4 Belts	
Blade Guard Attachment	Pivoting, All Steel	
Blade Control	Hand Wheel/Screw Feed	
Axle – Front – in (mm)	3/4" (19)	
Axle – Rear – in (mm)	3/4" (19)	
Wheels – Front D x W x B – in (mm)	5"x2"x3/4" (127x50x19)	
Wheels – Rear D x W x B – in (mm)	6"x2"x3/4" (152x50x19)	
Handle Bars/Adjustment Length	20-5/8" (530)	
Control	Roller Gear	
Speed	0-220 FPM	
Chassis	Heavy duty jig welded box frame	
Power Source	Gasoline, Single Cylinder 4 Cycle	
Engine Type	Honda GX390	
Specifications	GX390K1QXC9	
Maximum Horsepower*	13 HP (9.5kW)	
Net Horsepower*	11 HP (8.2 kW)	
Displacement – cu In (l)	23.7 cu in (0.39)	
Bore – in (mm)	3.5" (88)	
Stroke – in (mm)	2.5" (64)	
Cylinders/Cycle	Single Cylinder 4 Cycle	
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)	
Oil Capacity – qt (l)	1.16 qt. (1.1 l)	
Air Filter	Four Stage Honda	
Starter	Manual	
Engine Cooling	Air	
Saw Dimensions		
Height	40" (1,016)	
Minimum Saw Length (Transport) – in (mm)	56" (1,142)	
Maximum Saw Length (Working) – in (mm)	114" (2,896)	
Maximum Pointer Length – in (mm)	40" (1,016)	
Frame Width – in (mm)	17" (432)	
Saw Width – in (mm)	26" (660)	
Front (Outside to Outside Wheel Width) – in (mm)	14-3/16" (360)	
Rear (Outside to Outside Wheel Width) – in (mm)	15-1/4" (388)	
Blade to Wall – in (mm)	2-9/16" (65)	
Wheel Base Length – in (mm)	16-1/6" (407)	
Weight Crated – lbs. (kg)	345 (157)	
Weight Uncrated – lbs (kg)	310 (141)	
Accessories		
Water Tank Kit for 13HP & 20HP	701846 **28014** 3	**238001**

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Water Tank Kit

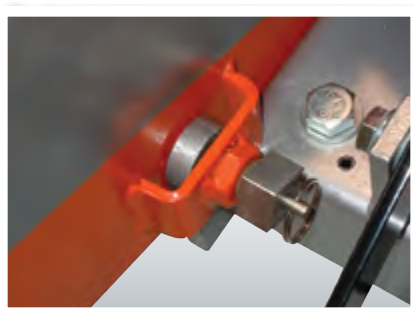
PRODUCT FEATURES



Vibration Reducing Handle Bars
Shock-absorbing handle bars reduce vibrations up to 40%.



Quick Belt Tensioning
Provides fast and accurate belt tensioning.



Fast Blade Guard Lock
No hassle, blade guard securing lock.



The next generation of 13HP saws. The C1318P features shock-absorbing handle bars. The new sleek design of the water tank, with increased capacity and improved securing, adds an additional 1.5 gallons of water over the cut. And, a newly-designed belt tensioning system helps keep the saw cutting tried and true. All these features, coupled with the Honda 13HP engine, makes the C1318P the premiere choice for rental and service work.

TECHNICAL SPECIFICATIONS	C1318P
Product Number	701846 **42453** 0
Blade Guard Capacity – in (mm)	18" (457)
Maximum Depth of Cut – in (mm)	6-5/8" (168)
Arbor Size – in (mm)	1" (25)
Blade Flange Diameter – in (mm)	4-1/2" (114)
Blade Shaft RPM	2,573
Blade Shaft Diameter – in (mm)	1.18" (30)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	Single 10 Groove Belt
Blade Guard Attachment	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	.78" (20)
Axle – Rear – in (mm)	.78" (20)
Wheels – Front D x W x B – in (mm)	4.92"x1.96x.78 (125x50x20)
Wheels – Rear D x W x B – in (mm)	8"x1-1/4"x.78 (203x32x20)
Handle Bars/Adjustment Length	6-1/4" (160)
Control	5.28 gal. (20 l)
Speed	Push
Chassis	Heavy Duty Steel Box with Longitudinal and Horizontal Reinforcements
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39 l)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
Saw Dimensions	
Height	39" (990)
Minimum Saw Length (Transport) – in (mm)	33-1/2" (850)
Maximum Saw Length (Working) – in (mm)	61-1/2" (1,5610
Maximum Pointer Length – in (mm)	20-7/8" (528)
Frame Width – in (mm)	16-1/2" (421)
Saw Width – in (mm)	22" (609)
Front (Outside to Outside Wheel Width) – in (mm)	10-7/16" (265)
Rear (Outside to Outside Wheel Width) – in (mm)	16.89" (429)
Blade to Wall – in (mm)	4-1/2" (114)
Wheel Base Length – in (mm)	13" (332)
Weight Crated – lbs. (kg)	240 (109)
Weight Uncrated – lbs (kg)	220 (100)

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PRODUCT FEATURES



Fast Release Guard

The quick release pull pin keeps the blade guard locked down for safety during operation. No more jam nuts or tools needed - just pull and lift.



Tough Frame and Raised Axle

Thick, heavy-duty gauge metal frame endures the hardest of users and job sites. Resists twisting for a tried and true straight cut.



Uncomplicated Control Panel

Everything at your fingertips to manage the saw with ease: depth locking mechanism, emergency shut off and water valve within easy reach.



Rental equipment has to withstand any and all conditions by user and application. For that reason, the Norton Clipper C13PE or CP14PE suits any rental fleet that both the novice and expert will appreciate to hold-up through tough situations. The 18" blade guard, ride-on water system and quick-release blade guard lock all keep safety in mind while the rugged frame, powerful engine and easy-to-use console makes cutting a breeze.

TECHNICAL SPECIFICATIONS	C13PE	C14PE
Product Number	701846 **47524** 2	701846 **47525** 9
Blade Guard Capacity - in (mm)	18" (457)	18" (457)
Maximum Depth of Cut - in (mm)	6-5/8" (168)	6-5/8" (168)
Arbor Size - in (mm)	1" (25)	1" (25)
Blade Flange Diameter - in (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2,700	2,700
Blade Shaft Diameter - in (mm)	1.00" (25.4)	1.00" (25.4)
Blade Shaft Bearings	Heavy Duty Pillow Block	Heavy Duty Pillow Block
Blade Shaft Drive	3 Belts	3 Belts
Blade Guard Attachment	Hinged, All Steel	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed	Hand Wheel/Screw Feed
Axle - Front - in (mm)	.75" (19)	.75" (19)
Axle - Rear - in (mm)	.75" (19)	.75" (19)
Wheels - Front - in (mm) D x W x B	4"x1.5"x.75" (102x38x19)	4"x1.5"x.75" (102x38x19)
Wheels - Rear - in (mm) D x W x B	8"x2.50"x.75" (203x64x19)	8"x2.50"x.75" (203x64x19)
Handle Bars/Adjustment Length - in (mm)	-NA-	-NA-
Water Tank Capacity - gal (l)	-NA-	-NA-
Control	Push	Push
Chassis	Heavy Duty Box Design	Heavy Duty Box Design
Power Source	Gasoline, Single Cylinder 4 Cycle	Gasoline, Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX390	Subaru EX14
Specifications	GX390K1QXC9	EX400DP0281
Maximum Horsepower*	13 HP (9.5 kW)	14 HP (10.2 kW)
Net Horse Power*	11 HP (8.2 kW)	12 HP (8.8 kW)
Displacement - cu In (l)	23.7 cu in (0.39 l)	24.65 cu in (.404 l)
Bore - in (mm)	3.5" (88)	3.5" (88)
Stroke - in (mm)	2.5" (64)	2.56" (65)
Cylinders/Cycle	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity - gal (l)	1.79 gal. (6.5 l)	1.8 gal (6.8 l)
Oil Capacity - qt (l)	1.16 qt. (1.1 l)	1.28 qt (1.2 l)
Air Filter	Four Stage Cyclone	Four Stage Cyclone
Starter	Manual	Manual
Engine Cooling	Forced Air	Forced Air
Saw Dimensions		
Height - in (mm)	38-13/16" (986)	38-13/16" (986)
Minimum Saw Length (Transport) - in (mm)	42-3/4" (1086)	42-3/4" (1086)
Maximum Saw Length (Working) - in (mm)	63" (1600)	63" (1600)
Maximum Pointer Length - in (mm)	20" (508)	20" (508)
Frame Width - in (mm)	16-1/2" (419)	16-1/2" (419)
Saw Width - in (mm)	21-27/64" (544)	21-27/64" (544)
Front (Outside to Outside Wheel Width) - in (mm)	14-17/32" (369)	14-17/32" (369)
Rear (Outside to Outside Wheel Width) - in (mm)	19-9/32" (490)	19-9/32" (490)
Blade to Wall - in (mm)	1-23/32" (44)	1-23/32" (44)
Wheel Base Length - in (mm)	15-3/4" (400)	15-3/4" (400)
Weight Crated – lbs. (kg)	240 (109)	240 (109)
Weight - Uncrated - lbs (kg)	220 (100)	220 (100)

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PRODUCT FEATURES



Gasoline Engine
Mounted with the dependable Honda 5.5HP engine for best performance.



Front Blade Mount
Additional weight helps keep the blade in the cut.



Improved Wheel Design
Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design
Easy storage and transport.



With a compact, light-weight design backed by the reliable Honda 5HP gasoline engine, the GC55 early entry saw is intended for a variety of applications. From green, cured or decorative concrete cutting to expansion joints, the features of this small push saw are hard to beat in a single saw. The low, wide profile of the frame, along with the front mount blade, contribute to producing a more disciplined cut.

TECHNICAL SPECIFICATIONS	GC55
Product Number	701846 **30005** 6
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (95)
Arbor Size – in. (mm)	5/8" (15.9)
Blade Flange Diameter – in. (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in. (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in. (mm)	55/64" (22)
Axle – Rear – in. (mm)	55/64" (22)
Wheels – Front – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in. (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX160
Specifications	GX160K1QXC9
Maximum Horsepower	5.5 HP (4.1 kW) – *
Net Horse Power	4.8 HP (3.6 kW) – *
Voltage	NA
Cycle/Current/Phase	NA
Full Load Amps	NA
Starting Amps	NA
Displacement – cu. In (l)	9.9 cu in (0.16 l)
Bore – in. (mm)	2.7" (68)
Stroke – in. (mm)	1.8" (45)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	.95 (3.6 l)
Oil Capacity – qt. (l)	.63 (.6 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
Saw Dimensions	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in. (mm)	32" (813)
Maximum Saw Length (Working) – in. (mm)	42-29/32" (1090)
Maximum Pointer Length – in. (mm)	8-7/32" (209)
Frame Width – in. (mm)	13-11/16" (348)
Saw Width – in. (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in. (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in. (mm)	13" (330)
Blade to Wall – in. (mm)	7-1/2" (190)
Wheel Base Length – in. (mm)	19" (483)
Weight Crated – lbs (kg)	135 (61)
Weight Uncrated – lbs (kg)	115 (52)

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

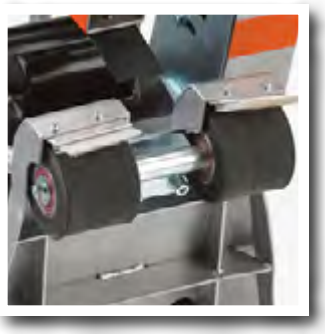
PRODUCT FEATURES



Compact Frame Design
Easy transport and even weight distribution with 3HP up-cut electric motor.



Vacuum Port
Attaches to standard vacuum for efficient debris removal.



Improved Wheel Design
Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design
Ideal for decorative application where space is limited getting in and out.



The ideal saw for indoor cutting, expansion joint cleaning, crack control and other concrete surface preparation work. The GC25EUP has all the features of the GC25E, but carries a smooth running 3HP up-cut electric motor. Its vacuum port on the blade guard ensure debris is pulled out of the cut and into a collection system. Light-weight and compact, the GC25EUP is the perfect saw for any concrete surface or decorative contractor need.

TECHNICAL SPECIFICATIONS	GC25EUP
Product Number	701846 **42445** 5
Blade Guard Capacity – in (mm)	10" (254)
Maximum Depth of Cut – in (mm)	3-3/4" (95)
Arbor Size – in (mm)	5/8" (15.9)
Blade Flange Diameter – in (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in (mm)	55/64" (22)
Axle – Rear – in (mm)	55/64" (22)
Wheels – Front – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	115/330 volt
Motor/Engine Type	Electric
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	3 HP
Net Horse Power*	3 HP
Voltage	115-230 Volts
Cycle*/Current/Phase	60Hz/AC/1
Full Load Amps*	19.5/9.73 Amps
Starting Amps*	91/46 Amps
Displacement – cu In (l)	-NA-
Bore – in (mm)	-NA-
Stroke – in (mm)	-NA-
Cylinders/Cycle	-NA-
Fuel Capacity – gal (l)	-NA-
Oil Capacity – qt (l)	-NA-
Air Filter	-NA-
Starter	Capacitor
Engine Cooling	Forced Air
Saw Dimensions	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in (mm)	32" (813)
Maximum Saw Length (Working) – in (mm)	42-29/32" (1090)
Maximum Pointer Length – in (mm)	8-7/32" (209)
Frame Width – in (mm)	13-11/16" (348)
Saw Width – in (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in (mm)	13" (330)
Blade to Wall – in (mm)	7-1/2" (190)
Wheel Base Length – in (mm)	19" (483)
Weight Crated – lbs (kg)	155 (70.3)
Weight Uncrated – lbs (kg)	135 (61.2)

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**

NORTON
SAINT-GOBAIN
clipper®

NEW!

C13PE & C14PE ECONOMY
SMALL PUSH SAWS



FAST ENOUGH TO GET YOU ON AND OFF THE JOB **TOUGH** ENOUGH TO LAST!

Rental equipment has to withstand any and all conditions by user and application. For that reason, the Norton Clipper C13PE or CP14PE suits any rental fleet that both the novice and expert will appreciate to hold-up through tough situations.

The 18" blade guard, ride-on water system and quick-release blade guard lock all keep safety in mind while the rugged frame, powerful engine and easy-to-use console makes cutting a breeze.

KEY APPLICATIONS:
General Slab Cutting | Curb Cutting | Patch Work
Expansion Joint Cutting | Trenching



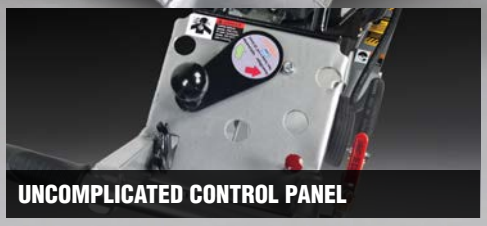
FAST RELEASE GUARD

The quick release pull pin keeps the blade guard locked down for safety during operation. No more jam nuts or tools needed - just pull and lift.



TOUGH FRAME AND RAISED AXLE

Thick, heavy-duty gauge metal frame endures the hardest of users and jobsites. Resists twisting for a tried and true straight cut.



UNCOMPLICATED CONTROL PANEL

Everything at your fingertips to manage the saw with ease: depth locking mechanism, emergency shut off and water valve within easy reach.

ALL THE **MUSCLE** YOU NEED™

Photo shown with Subaru 14HP Engine

TM

NORTON®
SAINT-GOBAIN

NORTON SAINT-GOBAIN clipper®

C13PE & C14PE ECONOMY SMALL PUSH SAWS

Technical Specifications	C13PE	C14PE
Product Number	**701846 47524 2**	**701846 47525 9**
Blade Guard Capacity - in (mm)	18" (457)	18" (457)
Maximum Depth of Cut - in (mm)	6-5/8" (168)	6-5/8" (168)
Arbor Size - in (mm)	1" (25)	1" (25)
Blade Flange Diameter - in (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2,750	2,750
Blade Shaft Diameter - in (mm)	1.00" (25.4)	1.00" (25.4)
Blade Shaft Bearings	Heavy Duty Pillow Block	Heavy Duty Pillow Block
Blade Shaft Drive	3 Belts	3 Belts
Blade Guard Attachment	Hinged, All Steel	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed	Hand Wheel/Screw Feed
Axle - Front - in (mm)	.75" (19)	.75" (19)
Axle - Rear - in (mm)	.75" (19)	.75" (19)
Wheels - Front - in (mm) D x W x B	4"x1.5"x.75" (102x38x19)	4"x1.5"x.75" (102x38x19)
Wheels - Rear - in (mm) D x W x B	8"x2.50"x.75" (203x64x19)	8"x2.50"x.75" (203x64x19)
Handle Bars/Adjustment Length - in (mm)	-NA-	-NA-
Water Tank Capacity - gal (l)	-NA-	-NA-
Control	Push	Push
Chassis	Heavy Duty Box Design	Heavy Duty Box Design
Power Source	Gasoline, Single Cylinder 4 Cycle	Gasoline, Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX390	Subaru EX14
Specifications	GX390K1QXC9	EX400DP0281
Maximum Horsepower*	13 HP (9.5 kW)	14 HP (10.2 kW)
Net Horse Power*	11 HP (8.2 kW)	12 HP (8.8 kW)
Displacement - cu In (l)	23.7 cu in (0.39 l)	24.65 cu in (.404 l)
Bore - in (mm)	3.5" (88)	3.5" (88)
Stroke - in (mm)	2.5" (64)	2.56" (65)
Cylinders/Cycle	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity - gal (l)	1.79 gal. (6.5 l)	1.8 gal (6.8 l)
Oil Capacity - qt (l)	1.16 qt. (1.1 l)	1.28 qt (1.2 l)
Air Filter	Four Stage Cyclone	Four Stage Cyclone
Starter	Manual	Manual
Engine Cooling	Forced Air	Forced Air

Saw Dimensions	C13PE	C14PE
Height - in (mm)	38-13/16" (986)	38-13/16" (986)
Minimum Saw Length (Transport) - in (mm)	42-3/4" (1086)	42-3/4" (1086)
Maximum Saw Length (Working) - in (mm)	63" (1600)	63" (1600)
Maximum Pointer Length - in (mm)	20" (508)	20" (508)
Frame Width - in (mm)	16-1/2" (419)	16-1/2" (419)
Saw Width - in (mm)	21-27/64" (544)	21-27/64" (544)
Front (Outside to Outside Wheel Width) - in (mm)	14-17/32" (369)	14-17/32" (369)
Rear (Outside to Outside Wheel Width) - in (mm)	19-9/32" (490)	19-9/32" (490)
Blade to Wall - in (mm)	1-23/32" (44)	1-23/32" (44)
Wheel Base Length - in (mm)	15-3/4" (400)	15-3/4" (400)
Weight - uncrated - lbs (kg)	220 (100 kg)	220 (100 kg)

**= Data Provided by Motor/Engine Manufacturer*

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SAINT-GOBAIN

PRODUCT FEATURES



Water Pan Design
The extended length and open back make easier rip cutting of larger masonry materials.



Tilt-Locking Cart Wheels
Unique design that keeps conveyor in place with less shifting and smoother push/pull.



Stay Level Blade Guard
Full depth of cut.



Combines the performance of a full size masonry saw with the convenience of portability. Also available in gas or electric versions, the BBC saws have a rugged jig-welded frame, durable enough for even the heaviest work load. Standard rear wheel dolly design and removable legs make transport and set-up easy.

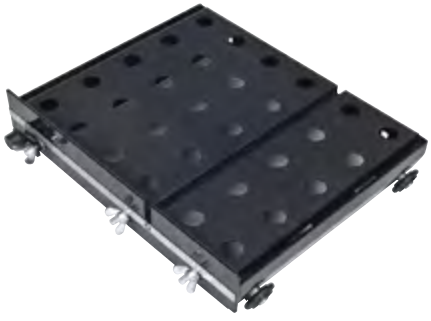
TECHNICAL SPECIFICATIONS	BBC157	BBC207	BBC307	BBC547	BBC507
Product Number	701846 **82488** 0	701846 **82501** 6	701846 **30011** 7	701846 **82175** 9	701846 **30012** 4
Blade Guard Capacity – in. (mm)	14" (177)	14" (177)	20" (508)	14" (177)	20" (508)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)	8" (203)	5" (127)	8" (203)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,900	2,400	2,900	2,400
Blade Shaft Bearings	1" Heavy Duty Flange				
Blade Shaft Drive	1 Belt				
Blade Guard Attachment	All Steel, Stay Level				
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide				
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.				
Water Pump	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Mechanically Belt Driven	Mechanically Belt Driven
Power Source	Electric	Electric	Electric	Gasoline	Gasoline
Motor/Engine Type	Baldor	Baldor	Baldor	Honda GX200	Honda GX200
Specifications	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	GX200K1QXC9	GX200K1QXC9
Net Horsepower*	1-1/2 HP	2 HP	3 HP	5.5 HP (4.1 kW)	5.5 HP (4.1 kW)
Voltage	115/230 volts	115/230 volts	208-230 volts	NA	NA
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1	NA	NA
Full Load Amps	13.4/6.7 Amps	16.8/8.4 Amps	13 Amps	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Recoil	Recoil
Engine Cooling	Air	Air	Air	Forced Air	Forced Air
Displacement – cu. In (l)	NA	NA	NA	11.96 cu. In (0.196 l)	11.96 cu. In (0.196 l)
Bore – in. (mm)	NA	NA	NA	2.7" (68)	2.7" (68)
Stroke – in. (mm)	NA	NA	NA	2.12" (54)	2.12" (54)
Cylinders/Stroke	NA	NA	NA	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	NA	NA	NA	.95 gal. (3.6 l)	.95 gal. (3.6 l)
Oil Capacity – qt. (l)	NA	NA	NA	.63 at. (.6 l)	.63 at. (.6 l)
Air Filter	NA	NA	NA	Four Stage Cyclone	Four Stage Cyclone
Saw Dimensions					
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	24" (609)	24" (609)	24" (609)	24" (609)	24" (609)
Saw Height – in. (mm)	34" (864)	34" (864)	34" (864)	38" (965)	38" (965)
Maximum Arbor Height Over Table – in. (mm)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)
Cart Length – in. (mm)	16" (404)	16" (404)	16" (404)	16" (404)	16" (404)
Cart Width – in. (mm)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)
Pan Length – in. (mm)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)
Pan Width – in. (mm)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)
Weight Crated – lbs (kg)	280 (127)	280 (127)	280 (127)	305 (138)	305 (138)
Weight Uncrated – lbs (kg)	250 (113)	250 (113)	250 (113)	275 (125)	275 (125)
Accessories					
Electric Water Pump - PE-1	708146 **68392** 3				
BBC Mechanical Water Pump	003100 **04237** 8				
BBC Water Pump Pulley	003100 **04669** 9				
Conveyor Cart Replacement	003100 **07367** 7				

***= DATA PROVIDED BY ENGINE MANUFACTURER**

GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



All Steel Frame
Super strong fillet welds deliver maximum strength and durability.



Sloped Front Water Pan
Allows complete control of step pedal and bracing knee while leaving clearance without injury.



24" Blade Capacity
Offers single cut of 8" block in one pass using complete diamond segment versus competition.



Position of Cutting Head Blade Offset
Operator has a better view of material being cut and more stabilization of material on conveyor.



Having introduced the first masonry saw over 70 years ago, the Norton Clipper BBL heavy-duty block saws have become the industry standard for masons worldwide. Equipped in either electric or gas, these saws are available with single or three-phase electric motor as well as a more powerful 13HP gasoline engine. Having a rugged all-steel frame design with forklift brackets, these saws resist twisting and damage during transport around a job site. A blade capacity up to 24" and features of extended water pans and open back frame allows cutting of larger materials. The balanced cutting head makes for effortless cutting depth positioning.

TECHNICAL SPECIFICATIONS	BBL547	BBL527	BBL727	BBL5247	BBL7247	BBL1347	BBL1327	BBL13247
Product Number – Single	701846 **83211** 3	701846 **83150** 5	NA	701846 **30007** 0	NA	701846 **83214** 4	701846**83212** 0	701846 **30010** 0
Product Number – 3 Phase	701846 **83334** 9	701846 **83385** 1	701846 **83485** 8	701846 **30008** 7	701846 **30009** 4	NA	NA	NA
Blade Guard Capacity – in. (mm)	14" (355)	20" (508)	20" (508)	24" (609)	24" (609)	14" (355)	20" (508)	24" (609)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)	8" (203)	10" (254)	10" (254)	5" (127)	8" (203)	10" (254)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,400	2,400	1,800	1,800	2,900	2,400	1,800
Blade Shaft Bearings	1" Heavy Duty Flange							
Blade Shaft Drive	2 Belt							
Blade Guard Attachment	All Steel, Stay Level							
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide							
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.							
Water Pump	Electric or Mechanically Belt Driven				Mechanically Belt Driven			
Power Source	Electric				Gasoline, Single Cylinder 4 Cycle			
Motor/Engine Type	Baldor				Honda, GX390			
Specifications	T.E.F.C. Thermal Protection				GX390K1QXC9			
Net Horsepower*	5 HP (3.7 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)
Voltage	208-230 volts	208-230 volts	NA	208-230 volts	NA	NA	NA	NA
3 PH – Voltage	230/460 volts	230/460 volts	230/460 volts	230/460 volts	230/460 volts	NA	NA	NA
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1	NA	60Hz/AC/1	NA	NA	NA	NA
3 PH – Cycle/Current/Phase	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	NA	NA	NA
Full Load Amps*	20.6 Amp	20.6 Amp	16.8/8.4 Amps	20.6 Amp	16.8/8.4 Amps	NA	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Capacitor	Recoil	Recoil	Recoil	Recoil
Motor/Engine Cooling	Air	Air	Air	Air	Air	Air	Air	Air
Saw Dimensions								
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)
Saw Height – in. (mm)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	57" (1,448)	57" (1,448)	57" (1,448)
Maximum Arbor Height Over Table – in. (mm)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)
Cart Length – in. (mm)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)
Cart Width – in. (mm)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)
Pan Length – in. (mm)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)
Pan Width – in. (mm)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)
Weight Crated – lbs (kg)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)
Weight Uncrated – lbs (kg)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)

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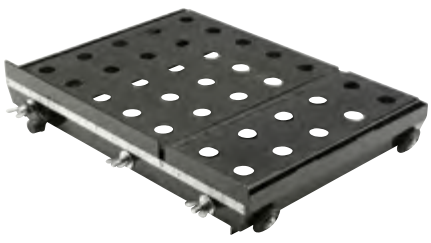
Accessories

Electric Water Pump - PE-1	708146 **68392** 3
BBL Mechanical Water Pump	003100 **04436** 9
BBL Water Pump Pulley	003100 **04883** 6
Conveyor Cart Replacement	003100 **07390** 5

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GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



All Steel Construction
All welded strong honeycomb reinforcement design.



Pivoting Locking Head
Plunge/step cutting and jam cutting (all the way down).



Clear View Cutting System
Offset of motor and blade allows operator to see the complete cutting surface.



Wet or Dry Cutting
Quick attach garden hose water system.



The innovative design of these small masonry saws has been copied many times due to its compact, all-steel unibody construction, giving the best weight-to-strength distribution. A 14" blade capacity and ergonomically-designed, three-position locking, cutting head provides a safe, clear view of the work area. Whether your choice is the 3HP brush motor or the 1.5HP induction motor for heavier commercial use, both come with features such as overload protection, garden hose connection and a channeled, flow water pan to direct dust and slurry away from the operator.

TECHNICAL SPECIFICATIONS	BBM307	BBM158
Product Number	701846 **00684** 2	701846 **26327** 6
Blade Guard Capacity – in. (mm)	14" (355)	14" (355)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (100)	4" (100)
Blade Shaft RPM	3,600	2,800
Blade Shaft Bearings	Sealed Radial Bearings	Sealed Radial Bearings
Blade Shaft Drive	Gear Drive	Belt Drive
Blade Guard Attachment	All Steel, Pivoting Posi-Loc Cutting Head	All Steel, Pivoting Cutting Head
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings	Aluminum With Steel Wheels and Seale Bearings
Water Pump	Optional	Optional
Frame	Steel Reinforced Frame	Steel Reinforced Frame
Power Source	Electrical	Electrical
Motor/Engine Type	AC Universal Motor	Induction
Specifications	Carbon Brush, Thermal Protection	T.E.F.C., Thermal Protection
Net Horsepower*	3 HP	2 HP
Voltage	115 volts	115/230 volts
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1
Full Load Amps	10 Amps	15 Amps
Starter	NA	NA
Engine Cooling	Forced Air	Forced Air
Air Filter	Yes	NA
Saw Dimensions		
Saw Length – in. (mm)	31-1/2" (800)	31-1/2" (800)
Saw Width – in. (mm)	18" (470)	18" (470)
Saw Height – in. (mm)	30" (762)	27-3/4" (695)
Maximum Arbor Height Over Table – in. (mm)	15-1/16" (383)	16-17/32" (420)
Cart Length – in. (mm)	10-7/16" (265)	10-7/16" (265)
Cart Width – in. (mm)	16-17/32" (420)	16-17/32" (420)
Pan Length – in. (mm)	30-1/8" (765)	30-1/8" (765)
Pan Width – in. (mm)	16" (405)	16" (405)
Weight Crated – lbs (kg)	90 (40.8)	150 (68)
Weight Uncrated – lbs (kg)	75 (34)	123.2 (56)
Accessories		
Wet Kit	701846 **00704** 7	
Stand	701846 **00691** 0	

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GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Wet Kit



Stand

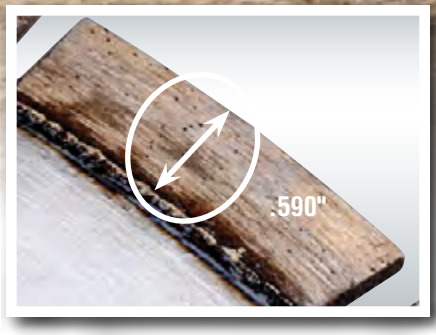

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get the silent treatment
AND ENJOY EVERY MINUTE

Defying everything you've heard before, the Norton Silencio is more than just a sandwiched silent blade. We take sound dampening to another level by reducing noise up to 15 dB(A). Masons enjoy the technology performance benefits while nearby workers and onlookers enjoy quieter times.





.590" Segment Height
New specification provides premium life and performance.



New Gullet Design
Reduces cutting noise by as much as 15 db(A).



Patent-Pending Steel Center
Design absorbs noise and vibration.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *SEGMENTED RIM*

SILENCIO

The latest generation of technology from Norton. With a laser-welded segment height up to .590" and newly developed specification, this blade maximizes cutting performance and product life when wet cutting hard natural stone materials. And, it's quieter – reducing cutting noise by up to 15 dB(A), thanks to the use of high-technology materials and a patent-pending steel-center design. Safer for high traffic environments and less disruptive to work locations.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84534** 2	SILMBR14125	14 x .125 x 1	4365	.590"
701846 **84535** 9	SILMBR20125	20 x .125 x 1	3055	.590"



NORTON CLASSIC

High performance wet cutting of a variety of hard materials. The segment specification allows extended life and fast cut for commercial jobs on large upright masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81335** 8	CGWMBR1401	14 x .100 x 1	4365	.281"
701846 **84556** 4	CODMBR2401	24 x .150 x 1	2550	.275"



DRY – *SEGMENTED RIM*

DUO EVO

The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84218** 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 **84549** 6	DUOEVO16125	16 x .125 x 1	4500	.472"



DUO

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to hard materials – general purpose.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83612** 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
701846 **83613** 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
701846 **83798** 9	DUO16125	16 x .125 x 1/20mm	4500	.393"



CHARGER

High performance when on all kinds of hard materials. Smooth, fast and accurate cuts when dry cutting on larger masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81426** 3	CGDMBR1401	14 x .100 x 1	4365	.263"
701846 **81427** 0	CGDMBR2001	20 x .125 x 1	3055	.263"
701846 **84509** 0	CGDMBR2101	21 x .125 x 1	2905	.350"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

DRY – *SEGMENTED RIM* (CONTINUED)

NORTON CLASSIC

Laser welded blades for hard or dense materials. Softer bond with premium diamond for fast cutting of hard material on low horsepower compact masonry saws. The perfect blade for compact masonry saws cutting hard or dense materials with limited power supply.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84511** 3	CHDMBR2001	20 x .125 x 1	3055	.263"
701846 **84557** 1	CODMBL2401	24 x .165 x 1	2550	.275"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

WET – *SEGMENTED RIM*

CHARGER

High performance wet cutting with an extra wide .263" segment specification that allows thorough cleaning and extended life in a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81338** 9	CGWMGP1401	14 x .100 x 1	4365	.263"
701846 **81339** 6	CGWMGP2001	20 x .125 x 1	3055	.263"



NORTON CLASSIC

The softer bond provides longer life at an economical price for small to medium size jobs on compact masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81331** 0	CHWMGP1401	14 x .100 x 1	4365	.263"
701846 **81332** 7	CHWMGP2001	20 x .125 x 1	3055	.263"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

DUO MASONRY

The innovative, exclusive DUO design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. A special sound dampened laser cut core reduces noise when cutting. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83982** 2	DUODMGP1401	14 x .110 x 1	4365	.472"



CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81428** 7	CGDMGP1401	14 x .100 x 1	4365	.263"
701846 **81429** 4	CGDMGP2001	20 x .125 x 1	3055	.263"



NORTON CLASSIC

The bond provides longer life at an economical price for small to medium size jobs on smaller compact masonry saws cutting a combination of brick and soft block.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84248** 8	CODMGP7H2001	20 x .140 x 1	4365	.275"
701846 **84251** 8	CODMGP10H2001	20 x .165 x 1	3055	.393"



DRY – *TURBO RIM*

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84525** 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



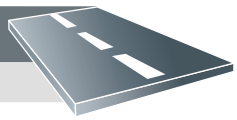
VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84181** 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 **84428** 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"



Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *SEGMENTED RIM*

CHARGER

High performance wear-resistant bond for dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when cutting on large upright masonry saws for commercial production.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81330** 3	CGDMBL1401	14 x .100 x 1	4365	.326"
701846 **81424** 9	CGDMBL2001	20 x .125 x 1	3055	.326"
701846 **84510** 6	CGDMBL2101	21 x .125 x 1	2905	.326"



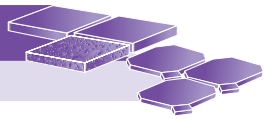
NORTON CLASSIC

Ideal blade for small to medium size jobs with masonry saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81325** 9	CHDMBL1401	14 x .100 x 1	4365	.326"
701846 **84511** 3	CHDMBR2001	20 x .125 x 1	3055	.326"



Natural Stone and Tiles



Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *SEGMENTED RIM* – HARD REFRACTORIES, TILES

CHARGER

High performance wet cutting of a variety of materials. Industrial grade segment specification allows extended life and fast cut on refractory materials with 80% plus alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81348** 8	NXWRHD1401	14 x .095 x 1	4365	.326"
701846 **81456** 0	NXWRHD1801	18 x .125 x 1	3395	.326"
701846 **81457** 7	NXWRHD2001	20 x .125 x 1	3055	.326"



NORTON CLASSIC

An economical solution for small to medium size jobs. Efficient cutting of thick granite, marble and refractory materials with 50% or less alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81453** 9	CGWRGP1401	14 x .100 x 1	4365	.250"
701846 **81454** 6	CGWRGP1801	18 x .125 x 1	3395	.250"
701846 **81455** 3	CGWRGP2001	20 x .125 x 1	3055	.250"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *CONTINUOUS RIM* – HARD REFRACTORIES, TILES

SLICER

Razor like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84186** 3	NXSLC1201	12 x .080 x 1	5095	.393"
701846 **84187** 0	NXSLC1401	14 x .080 x 1	4365	.393"



DRY – *TURBO RIM* – GRANITE, MARBLE, TILES

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83785** 9	AEROHS1420	14 x .125 x 1/20mm	5460	.590"



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

DRY – *SEGMENTED RIM* – SOFT TO HARD AGGREGATES

4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84547** 2	4X414125	14 x .125 x 1/20mm	5460	.393"



PRODUCT FEATURES



All Steel Frame
Super strong fillet welds deliver maximum strength and durability.



Sloped Front Water Pan
Allows complete control of step pedal and bracing knee while leaving clearance without injury.



24" Blade Capacity
Offers single cut of 8" block in one pass using complete diamond segment versus competition.



Position of Cutting Head Blade Offset
Operator has a better view of material being cut and more stabilization of material on conveyor.



Having introduced the first masonry saw over 70 years ago, the Norton Clipper BBL heavy-duty block saws have become the industry standard for masons worldwide. Equipped in either electric or gas, these saws are available with single or three-phase electric motor as well as a more powerful 13HP gasoline engine. Having a rugged all-steel frame design with forklift brackets, these saws resist twisting and damage during transport around a job site. A blade capacity up to 24" and features of extended water pans and open back frame allows cutting of larger materials. The balanced cutting head makes for effortless cutting depth positioning.

TECHNICAL SPECIFICATIONS	BBL547	BBL527	BBL727	BBL5247	BBL7247	BBL1347	BBL1327	BBL13247
Product Number – Single	701846 **83211** 3	701846 **83150** 5	NA	701846 **30007** 0	NA	701846 **83214** 4	701846**83212** 0	701846 **30010** 0
Product Number – 3 Phase	701846 **83334** 9	701846 **83385** 1	701846 **83485** 8	701846 **30008** 7	701846 **30009** 4	NA	NA	NA
Blade Guard Capacity – in. (mm)	14" (355)	20" (508)	20" (508)	24" (609)	24" (609)	14" (355)	20" (508)	24" (609)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)	8" (203)	10" (254)	10" (254)	5" (127)	8" (203)	10" (254)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,400	2,400	1,800	1,800	2,900	2,400	1,800
Blade Shaft Bearings	1" Heavy Duty Flange							
Blade Shaft Drive	2 Belt							
Blade Guard Attachment	All Steel, Stay Level							
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide							
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.							
Water Pump	Electric or Mechanically Belt Driven				Mechanically Belt Driven			
Power Source	Electric				Gasoline, Single Cylinder 4 Cycle			
Motor/Engine Type	Baldor				Honda, GX390			
Specifications	T.E.F.C. Thermal Protection				GX390K1QXC9			
Net Horsepower*	5 HP (3.7 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)
Voltage	208-230 volts	208-230 volts	NA	208-230 volts	NA	NA	NA	NA
3 PH – Voltage	230/460 volts	230/460 volts	230/460 volts	230/460 volts	230/460 volts	NA	NA	NA
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1	NA	60Hz/AC/1	NA	NA	NA	NA
3 PH – Cycle/Current/Phase	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	NA	NA	NA
Full Load Amps*	20.6 Amp	20.6 Amp	16.8/8.4 Amps	20.6 Amp	16.8/8.4 Amps	NA	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Capacitor	Recoil	Recoil	Recoil	Recoil
Motor/Engine Cooling	Air	Air	Air	Air	Air	Air	Air	Air
Saw Dimensions								
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)
Saw Height – in. (mm)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	57" (1,448)	57" (1,448)	57" (1,448)
Maximum Arbor Height Over Table – in. (mm)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)
Cart Length – in. (mm)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)
Cart Width – in. (mm)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)
Pan Length – in. (mm)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)
Pan Width – in. (mm)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)
Weight Crated – lbs (kg)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)
Weight Uncrated – lbs (kg)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)

575 VOLT AND 600 VOLT, 3-PHASE OPTIONS AVAILABLE. ASK CUSTOMER SERVICE FOR MORE DETAILS

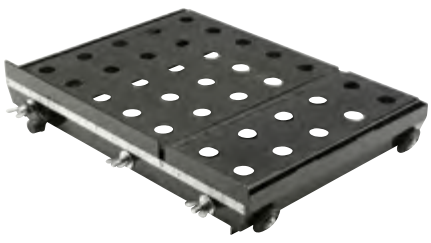
Accessories

Electric Water Pump - PE-1	708146 **68392** 3
BBL Mechanical Water Pump	003100 **04436** 9
BBL Water Pump Pulley	003100 **04883** 6
Conveyor Cart Replacement	003100 **07390** 5

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



Water Pan Design
The extended length and open back make easier rip cutting of larger masonry materials.



Tilt-Locking Cart Wheels
Unique design that keeps conveyor in place with less shifting and smoother push/pull.



Stay Level Blade Guard
Full depth of cut.



Combines the performance of a full size masonry saw with the convenience of portability. Also available in gas or electric versions, the BBC saws have a rugged jig-welded frame, durable enough for even the heaviest work load. Standard rear wheel dolly design and removable legs make transport and set-up easy.

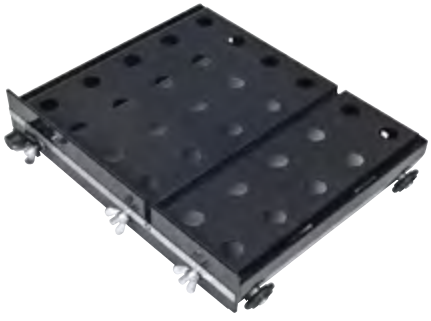
TECHNICAL SPECIFICATIONS	BBC157	BBC207	BBC307	BBC547	BBC507
Product Number	701846 **82488** 0	701846 **82501** 6	701846 **30011** 7	701846 **82175** 9	701846 **30012** 4
Blade Guard Capacity – in. (mm)	14" (177)	14" (177)	20" (508)	14" (177)	20" (508)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)	8" (203)	5" (127)	8" (203)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,900	2,400	2,900	2,400
Blade Shaft Bearings	1" Heavy Duty Flange				
Blade Shaft Drive	1 Belt				
Blade Guard Attachment	All Steel, Stay Level				
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide				
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.				
Water Pump	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Mechanically Belt Driven	Mechanically Belt Driven
Power Source	Electric	Electric	Electric	Gasoline	Gasoline
Motor/Engine Type	Baldor	Baldor	Baldor	Honda GX200	Honda GX200
Specifications	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	GX200K1QXC9	GX200K1QXC9
Net Horsepower*	1-1/2 HP	2 HP	3 HP	5.5 HP (4.1 kW)	5.5 HP (4.1 kW)
Voltage	115/230 volts	115/230 volts	208-230 volts	NA	NA
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1	NA	NA
Full Load Amps	13.4/6.7 Amps	16.8/8.4 Amps	13 Amps	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Recoil	Recoil
Engine Cooling	Air	Air	Air	Forced Air	Forced Air
Displacement – cu. In (l)	NA	NA	NA	11.96 cu. In (0.196 l)	11.96 cu. In (0.196 l)
Bore – in. (mm)	NA	NA	NA	2.7" (68)	2.7" (68)
Stroke – in. (mm)	NA	NA	NA	2.12" (54)	2.12" (54)
Cylinders/Stroke	NA	NA	NA	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	NA	NA	NA	.95 gal. (3.6 l)	.95 gal. (3.6 l)
Oil Capacity – qt. (l)	NA	NA	NA	.63 at. (.6 l)	.63 at. (.6 l)
Air Filter	NA	NA	NA	Four Stage Cyclone	Four Stage Cyclone
Saw Dimensions					
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	24" (609)	24" (609)	24" (609)	24" (609)	24" (609)
Saw Height – in. (mm)	34" (864)	34" (864)	34" (864)	38" (965)	38" (965)
Maximum Arbor Height Over Table – in. (mm)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)
Cart Length – in. (mm)	16" (404)	16" (404)	16" (404)	16" (404)	16" (404)
Cart Width – in. (mm)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)
Pan Length – in. (mm)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)
Pan Width – in. (mm)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)
Weight Crated – lbs (kg)	280 (127)	280 (127)	280 (127)	305 (138)	305 (138)
Weight Uncrated – lbs (kg)	250 (113)	250 (113)	250 (113)	275 (125)	275 (125)
Accessories					
Electric Water Pump - PE-1	708146 **68392** 3				
BBC Mechanical Water Pump	003100 **04237** 8				
BBC Water Pump Pulley	003100 **04669** 9				
Conveyor Cart Replacement	003100 **07367** 7				

***= DATA PROVIDED BY ENGINE MANUFACTURER**

GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



All Steel Construction
All welded strong honeycomb reinforcement design.



Pivoting Locking Head
Plunge/step cutting and jam cutting (all the way down).



Clear View Cutting System
Offset of motor and blade allows operator to see the complete cutting surface.



Wet or Dry Cutting
Quick attach garden hose water system.



The innovative design of these small masonry saws has been copied many times due to its compact, all-steel unibody construction, giving the best weight-to-strength distribution. A 14" blade capacity and ergonomically-designed, three-position locking, cutting head provides a safe, clear view of the work area. Whether your choice is the 3HP brush motor or the 1.5HP induction motor for heavier commercial use, both come with features such as overload protection, garden hose connection and a channeled, flow water pan to direct dust and slurry away from the operator.

TECHNICAL SPECIFICATIONS	BBM307	BBM158
Product Number	701846 **00684** 2	701846 **26327** 6
Blade Guard Capacity – in. (mm)	14" (355)	14" (355)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (100)	4" (100)
Blade Shaft RPM	3,600	2,800
Blade Shaft Bearings	Sealed Radial Bearings	Sealed Radial Bearings
Blade Shaft Drive	Gear Drive	Belt Drive
Blade Guard Attachment	All Steel, Pivoting Posi-Loc Cutting Head	All Steel, Pivoting Cutting Head
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings	Aluminum With Steel Wheels and Seale Bearings
Water Pump	Optional	Optional
Frame	Steel Reinforced Frame	Steel Reinforced Frame
Power Source	Electrical	Electrical
Motor/Engine Type	AC Universal Motor	Induction
Specifications	Carbon Brush, Thermal Protection	T.E.F.C., Thermal Protection
Net Horsepower*	3 HP	2 HP
Voltage	115 volts	115/230 volts
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1
Full Load Amps	10 Amps	15 Amps
Starter	NA	NA
Engine Cooling	Forced Air	Forced Air
Air Filter	Yes	NA
Saw Dimensions		
Saw Length – in. (mm)	31-1/2" (800)	31-1/2" (800)
Saw Width – in. (mm)	18" (470)	18" (470)
Saw Height – in. (mm)	30" (762)	27-3/4" (695)
Maximum Arbor Height Over Table – in. (mm)	15-1/16" (383)	16-17/32" (420)
Cart Length – in. (mm)	10-7/16" (265)	10-7/16" (265)
Cart Width – in. (mm)	16-17/32" (420)	16-17/32" (420)
Pan Length – in. (mm)	30-1/8" (765)	30-1/8" (765)
Pan Width – in. (mm)	16" (405)	16" (405)
Weight Crated – lbs (kg)	90 (40.8)	150 (68)
Weight Uncrated – lbs (kg)	75 (34)	123.2 (56)
Accessories		
Wet Kit	701846 **00704** 7	
Stand	701846 **00691** 0	

***= DATA PROVIDED BY ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Wet Kit

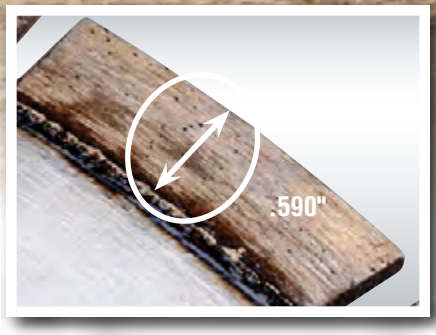


Stand

get the silent treatment
AND ENJOY EVERY MINUTE

Defying everything you've heard before, the Norton Silencio is more than just a sandwiched silent blade. We take sound dampening to another level by reducing noise up to 15 dB(A). Masons enjoy the technology performance benefits while nearby workers and onlookers enjoy quieter times.





.590" Segment Height
New specification provides premium life and performance.



New Gullet Design
Reduces cutting noise by as much as 15 db(A).



Patent-Pending Steel Center
Design absorbs noise and vibration.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – *SEGMENTED RIM*

SILENCIO

The latest generation of technology from Norton. With a laser-welded segment height up to .590" and newly developed specification, this blade maximizes cutting performance and product life when wet cutting hard natural stone materials. And, it's quieter – reducing cutting noise by up to 15 dB(A), thanks to the use of high-technology materials and a patent-pending steel-center design. Safer for high traffic environments and less disruptive to work locations.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84534** 2	SILMBR14125	14 x .125 x 1	4365	.590"
701846 **84535** 9	SILMBR20125	20 x .125 x 1	3055	.590"



NORTON CLASSIC

High performance wet cutting of a variety of hard materials. The segment specification allows extended life and fast cut for commercial jobs on large upright masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81335** 8	CGWMBR1401	14 x .100 x 1	4365	.281"
701846 **84556** 4	CODMBR2401	24 x .150 x 1	2550	.275"



DRY – *SEGMENTED RIM*

DUO EVO

The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84218** 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 **84549** 6	DUOEVO16125	16 x .125 x 1	4500	.472"



DUO

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to hard materials – general purpose.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83612** 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
701846 **84430** 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
701846 **84431** 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
701846 **83613** 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
701846 **84432** 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
701846 **84433** 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
701846 **83798** 9	DUO16125	16 x .125 x 1/20mm	4500	.393"



CHARGER

High performance when on all kinds of hard materials. Smooth, fast and accurate cuts when dry cutting on larger masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81426** 3	CGDMBR1401	14 x .100 x 1	4365	.263"
701846 **81427** 0	CGDMBR2001	20 x .125 x 1	3055	.263"
701846 **84509** 0	CGDMBR2101	21 x .125 x 1	2905	.350"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

DRY – *SEGMENTED RIM* (CONTINUED)

NORTON CLASSIC

Laser welded blades for hard or dense materials. Softer bond with premium diamond for fast cutting of hard material on low horsepower compact masonry saws. The perfect blade for compact masonry saws cutting hard or dense materials with limited power supply.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84511** 3	CHDMBR2001	20 x .125 x 1	3055	.263"
701846 **84557** 1	CODMBL2401	24 x .165 x 1	2550	.275"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

WET – *SEGMENTED RIM*

CHARGER

High performance wet cutting with an extra wide .263" segment specification that allows thorough cleaning and extended life in a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81338** 9	CGWMGP1401	14 x .100 x 1	4365	.263"
701846 **81339** 6	CGWMGP2001	20 x .125 x 1	3055	.263"



NORTON CLASSIC

The softer bond provides longer life at an economical price for small to medium size jobs on compact masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81331** 0	CHWMGP1401	14 x .100 x 1	4365	.263"
701846 **81332** 7	CHWMGP2001	20 x .125 x 1	3055	.263"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

DUO MASONRY

The innovative, exclusive DUO design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. A special sound dampened laser cut core reduces noise when cutting. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83982** 2	DUODMGP1401	14 x .110 x 1	4365	.472"



CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81428** 7	CGDMGP1401	14 x .100 x 1	4365	.263"
701846 **81429** 4	CGDMGP2001	20 x .125 x 1	3055	.263"



NORTON CLASSIC

The bond provides longer life at an economical price for small to medium size jobs on smaller compact masonry saws cutting a combination of brick and soft block.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84248** 8	CODMGP7H2001	20 x .140 x 1	4365	.275"
701846 **84251** 8	CODMGP10H2001	20 x .165 x 1	3055	.393"



DRY – *TURBO RIM*

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84525** 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



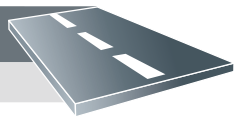
VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84181** 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 **84428** 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"



Asphalt and Abrasive Materials



Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *SEGMENTED RIM*

CHARGER

High performance wear-resistant bond for dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when cutting on large upright masonry saws for commercial production.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81330** 3	CGDMBL1401	14 x .100 x 1	4365	.326"
701846 **81424** 9	CGDMBL2001	20 x .125 x 1	3055	.326"
701846 **84510** 6	CGDMBL2101	21 x .125 x 1	2905	.326"



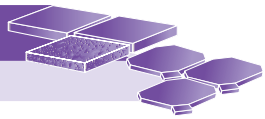
NORTON CLASSIC

Ideal blade for small to medium size jobs with masonry saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81325** 9	CHDMBL1401	14 x .100 x 1	4365	.326"
701846 **84511** 3	CHDMBR2001	20 x .125 x 1	3055	.326"



Natural Stone and Tiles



Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *SEGMENTED RIM* – HARD REFRACTORIES, TILES

CHARGER

High performance wet cutting of a variety of materials. Industrial grade segment specification allows extended life and fast cut on refractory materials with 80% plus alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81348** 8	NXWRHD1401	14 x .095 x 1	4365	.326"
701846 **81456** 0	NXWRHD1801	18 x .125 x 1	3395	.326"
701846 **81457** 7	NXWRHD2001	20 x .125 x 1	3055	.326"



NORTON CLASSIC

An economical solution for small to medium size jobs. Efficient cutting of thick granite, marble and refractory materials with 50% or less alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81453** 9	CGWRGP1401	14 x .100 x 1	4365	.250"
701846 **81454** 6	CGWRGP1801	18 x .125 x 1	3395	.250"
701846 **81455** 3	CGWRGP2001	20 x .125 x 1	3055	.250"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *CONTINUOUS RIM* – HARD REFRACTORIES, TILES

SLICER

Razor like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84186** 3	NXSLC1201	12 x .080 x 1	5095	.393"
701846 **84187** 0	NXSLC1401	14 x .080 x 1	4365	.393"



DRY – *TURBO RIM* – GRANITE, MARBLE, TILES

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83785** 9	AEROHS1420	14 x .125 x 1/20mm	5460	.590"



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

DRY – *SEGMENTED RIM* – SOFT TO HARD AGGREGATES

4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

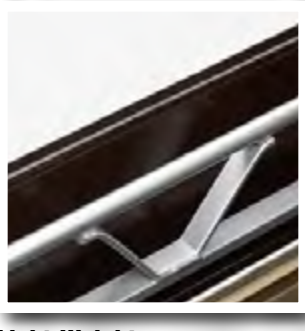
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84547** 2	4X414125	14 x .125 x 1/20mm	5460	.393"



PRODUCT FEATURES



2HP Motor
More powerful than using conventional 1.5HP and can make a rip cut of 24" tile.



Light-Weight
60 lbs vs. standard 100-125 lbs for easier transportation.



Aluminum Rails with Stainless Insert
Provides long life and easy portability due to low coefficient of friction, creating smoother slide.



Upgraded Backsplash Pan
Catches water on larger tile/block cutting and easily detaches.



* Stand sold separately

Built with the professional in mind, the CTC1020XL is the newest to the tile industry. The powerful 2HP motor makes ripping materials, up to 24", trouble-free. The combination of having a light-weight, sturdy frame and a newly designed polypropylene pan, to help reduce area contamination, gives an operator all the essentials to get the job done quickly and efficiently.

TECHNICAL SPECIFICATIONS	CTC1020XL
Product Number	701846 **30013** 1
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (88)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	3,000
Maximum Material Size – in. (mm)	24" x 24"
Rip Cut Size – in. (mm)	24" (610)
Diagonal Size – in. (mm)	18" (457)
Cut Depth – in. (mm)	3-3/4" (95)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	NO, Includes Miter Block
Cutting Table	Aluminum With Rubber Coating
Water Pump	YES
Power Source	Electric
Motor/Engine Type	Brush Motor with Thermal Protection
Maximum Horsepower*	2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	8 Amp
Saw Dimensions	
Saw Length – in. (mm)	51-7/8" (1318)
Saw Width – in. (mm)	25-3/16" (640)
Saw Height – in. (mm)	20-7/8" (530)
Saw Height With Stand – in. (mm)	41-13/16" (1240)
Arbor to Top of Cart – in. (mm)	4-3/4" (120)
Cart (Table) Length – in. (mm)	16" (406)
Cart (Table) Width – in. (mm)	16-9/64" (410)
Cart Travel – in. (mm)	22-5/8" (575)
Pan Length – in. (mm)	51-7/8" (1318)
Pan Width – in. (mm)	25-3/16" (640)
Weight Crated – lbs (kg)	75 (34)
Weight Uncrated – lbs. (kg)	65 (29.5)
Accessories	
Electric Water Pump - PE-1	701846 **68392** 6
Premium Stand w/Work Table	701846 **43045** 6
Adjustable Angle Guide	701846 **80907** 8

***= DATA PROVIDED BY ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table

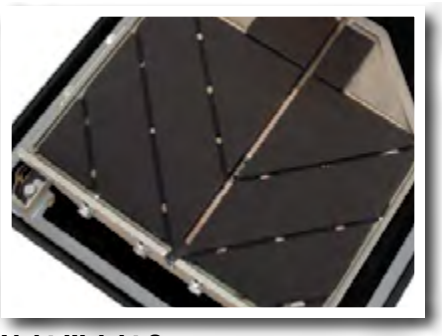


Adjustable Angle Guide

PRODUCT FEATURES



Motor Upgrade
Strong belt-driven 1 HP motor provides powerful and precise cutting.



Light-Weight Conveyor
Smooth slide creates straight cuts and has a locking mechanism for easier transportation.



Water Pump
High intake and output to keep fresh water in pan with a durable filter to keep debris out.



* Stand sold separately

A great value for a 7" tile saw that can handle the small to medium size jobs. This saw has many features of more expensive tile saws, like a belt-driven 1 HP motor for maximum motor-to-blade power. A sturdy aluminum cutting table with anti-skid top for keeping material in place while cutting and a light-weight water pan for easy cleaning and/or single operator use getting on and off the site.

TECHNICAL SPECIFICATIONS	CTC705
Product Number	701846 **81496** 6
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	2-1/2" (66)
Blade Shaft RPM	6000 RPM
Maximum Material Size – in. (mm)	17" (431)
Rip Cut Size – in. (mm)	17" (431)
Diagonal Size – in. (mm)	12" (305)
Cut Depth – in. (mm)	1-3/4" (44.5)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	No
Cutting Table	Aluminum
Water Pump	Yes
Power Source	Electric
Motor/Engine Type	Carbon Brush
Maximum Horsepower*	1 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	10 Amps
Saw Dimensions	
Saw Length – in. (mm)	30" (762)
Saw Width – in. (mm)	19-3/4" (502)
Saw Height – in. (mm)	17-1/2" (445)
Saw Height With Stand – in. (mm)	47-3/4" (1213)
Arbor to Top of Cart – in. (mm)	Adjustable
Cart (Table) Length – in. (mm)	14-1/4" (362)
Cart (Table) Width – in. (mm)	15" (381)
Cart Travel – in. (mm)	18-3/4" (477)
Pan Length – in. (mm)	30" (762)
Weight Crated – lbs. (kg)	50 (22.7)
Weight Uncrated – lbs. (kg)	43 (19.5)
Accessories	
Premium Stand w/Work Table	701846 **43045** 6
Electric Water Pump - PE-1	701846 **68392** 6
Adjustable Angle Guide	701846 **80907** 8

***= DATA PROVIDED BY ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide



Built-In Water Pan
Single unit design with optimized water recycling.



Chrome Steel Tilting Table
Convenient for miter cutting of 0-45° cuts with a tilt design to allow for quicker blade changes.



Quick Locking Rip Guide
Secures guide position for precise cuts.



The simple design of the tabletop tile saw features a powerful professional motor that veterans and novices alike will enjoy operating. Its solid construction incorporates a self-contained water pan with plug release, tilting table for miter cuts and a fast, precise lockable cutting guide. The robust carrying case allows for easy transportation or storage while protecting the unit.

TECHNICAL SPECIFICATIONS	CTC701
Product Number	701846 **30029** 2
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	2,990
Cut Depth – in. (mm)	1-9/16" (40)
Cutting Head	Steel
Built-In 45° Miter Cut	YES
Cutting Table	Chrome Steel
Water Pump	Blade Rotates In Water Pan
Power Source	Electric
Motor/Engine Type	T.E.F.C.
Maximum Horsepower*	1.5 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	7 Amps
Saw Dimensions	
Saw Length – in. (mm)	18.11" (460)
Saw Width – in. (mm)	14.17" (360)
Saw Height – in. (mm)	11-7/16" (290)
Weight Crated – lbs (kg)	40 (18)
Weight Uncrated – lbs (kg)	35 (15.9)

***= DATA PROVIDED BY MOTOR MANUFACTURER**



Recommended Blade Upgrade
ValuPlus Continuous Rim
See page 76



Wet Cut Kit (included)
Easy attaching water control.



1/2 HP for Ample Cutting
Powerful clean cuts in hard materials.



Built-in Miter Cut Capability
Simple tilting miter table for cutting up to 45°.



This is the portable solution for dry or wet cutting on smaller jobs. The 115 volt, single phase motor provides all the power you need combined with a built-in miter and depth adjustment to produce clean, accurate cuts every time.

TECHNICAL SPECIFICATIONS	TC405
Product Number	701846 **82709** 6
Blade Guard Capacity – in. (mm)	5" (127)
Maximum Depth of Cut – in. (mm)	1-1/4" (31)
Arbor Size – in. (mm)	20mm
Blade Flange Diameter – in. (mm)	1.41 (36)
Blade Shaft RPM	12,000
Cut Depth – in. (mm)	1-3/16" (30)
Built-In 45° Miter Cut	YES
Power Source	Electric
Motor/Engine Type	Universal Brush
Maximum Horsepower*	1/2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	5 Amp
Saw Dimensions	
Saw Length – in. (mm)	9-3/8" (238)
Saw Width – in. (mm)	7-7/8" (200)
Saw Height – in. (mm)	6-1/2" (165)
Weight Crated – lbs (kg)	8 (3.6)
Weight Uncrated – lbs (kg)	6.4 (2.9)

***= DATA PROVIDED BY MOTOR MANUFACTURER**
GENUINE NORTON DIAMOND BLADE (3 QTY) INCLUDED WITH SAW.



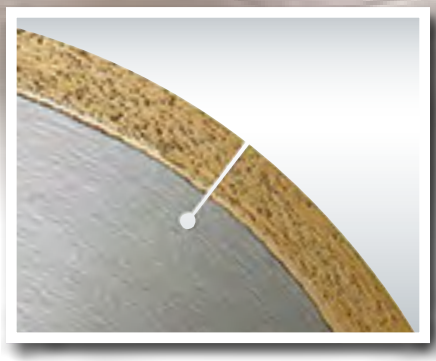
Recommended Blade Upgrade
Norton Classic Continuous Rim
See page 75


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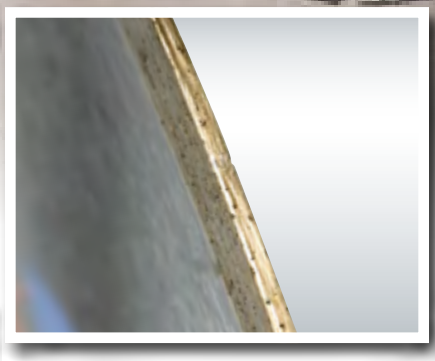


razor sharp
FOR THE EDGE YOU NEED

To produce razor-like cuts in porcelain or ceramic, marble and granite, the Slicer diamond blade is unbeatable. The high tensile, strengthened steel core blade extends life and speed to provide a clean, crisp, accurate cut. Don't settle, when Slicer can help you achieve exceptional results.



Premium Segment Specification
Special bond for the smoothest cut and finish, ideal for porcelain.



Precision Cuts, Every Time
Razor-thin design reduces loss of material



Thinnest Cuts, Longest Life
Thin, high tensile strength steel core for better accuracy and less wobbling.

Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

WET – *CONTINUOUS RIM*

SLICER

Razor-like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84183** 2	NXSLC0700	7 x .060 x 5/8	8730	.393"
701846 **84184** 9	NXSLC0800	8 x .060 x 5/8	7640	.393"
701846 **84185** 6	NXSLC1000	10 x .060 x 5/8	6115	.393"



SLICER GLASS

Utilizes all the core characteristics of the original Slicer and blends in a special bond to allow virtually chip-free cutting time and time again. The ultra thin blade is best suited for cutting glass, it also performs well on critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84533** 5	SLSGLS0700	7 x .060 x 7/8	8730	.393"



NORTON CLASSIC

Excellent quality with good performance in general purpose materials. The right bond and diamond content allows clean cutting with long use. Well suited for softer tile or stone materials on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **01196** 1	CON6WT	6 x .065 x 5/8	10185	.393"
701846 **84017** 0	CON7WT	7 x .065 x 5/8	8730	.393"
076607 **02785** 6	CON8WT	8 x .070 x 5/8	7640	.393"
076607 **02784** 9	CON10WT	10 x .070 x 5/8	6115	.393"



DRY – *CONTINUOUS RIM*

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84528** 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 **84529** 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 **84530** 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



NORTON CLASSIC

An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02793** 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 **01194** 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 **02788** 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

DRY – *CONTINUOUS RIM* (CONTINUED)

VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84087** 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84088** 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84089** 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



DRY – *TURBO RIM*

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83778** 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
701846 **83779** 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
701846 **83780** 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
701846 **83781** 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
701846 **83782** 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"
701846 **83783** 5	AERO1000	10 x .110 x 1-7/8-5/8	6115	.472"



SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free cut, flush to the counter or edge.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84546** 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.472"
701846 **84545** 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.472"





TILE SAW BLADES

Maximum Blade Cutting Depths
and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
4"	3/4"	9,072	15,000
4-1/2"	1"	8,063	13,300
5"	1-1/4"	7,257	12,000
6"	1-3/4"	6,048	10,185
7"	2-1/4"	5,184	8,730
8"	2-3/4"	4,536	7,640
9"	3-1/4"	4,032	6,790
10"	3-3/4"	3,629	6,115

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **04019** 0	CGDSEG1000	10 x .100 x 1-7/8-5/8	6115	.393"



NORTON CLASSIC

The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **01201** 2	CODSEG1000	10 x .100 x 1-7/8-5/8	6115	.275"



DRY – *TURBO RIM*

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **04022** 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.427"
701846 **81512** 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.427"



NORTON CLASSIC

Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02787** 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"
076607 **04016** 9	0700TURBO5PK	7 x .090 x DM-7/8-5/8	8730	.275"
076607 **02780** 1	COTURB1000	10 x .100 x 1-7/8-5/8"	6115	.275"



VALUPLUS

For value and performance on small to medium size jobs cutting soft brick and tile. The sintered turbo continuous rim cuts fast with a smoother quality of cut.

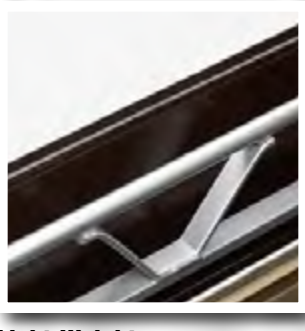
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84107** 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"



PRODUCT FEATURES



2HP Motor
More powerful than using conventional 1.5HP and can make a rip cut of 24" tile.



Light-Weight
60 lbs vs. standard 100-125 lbs for easier transportation.



Aluminum Rails with Stainless Insert
Provides long life and easy portability due to low coefficient of friction, creating smoother slide.



Upgraded Backsplash Pan
Catches water on larger tile/block cutting and easily detaches.



* Stand sold separately

Built with the professional in mind, the CTC1020XL is the newest to the tile industry. The powerful 2HP motor makes ripping materials, up to 24", trouble-free. The combination of having a light-weight, sturdy frame and a newly designed polypropylene pan, to help reduce area contamination, gives an operator all the essentials to get the job done quickly and efficiently.

TECHNICAL SPECIFICATIONS	CTC1020XL
Product Number	701846 **30013** 1
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (88)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	3,000
Maximum Material Size – in. (mm)	24" x 24"
Rip Cut Size – in. (mm)	24" (610)
Diagonal Size – in. (mm)	18" (457)
Cut Depth – in. (mm)	3-3/4" (95)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	NO, Includes Miter Block
Cutting Table	Aluminum With Rubber Coating
Water Pump	YES
Power Source	Electric
Motor/Engine Type	Brush Motor with Thermal Protection
Maximum Horsepower*	2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	8 Amp
Saw Dimensions	
Saw Length – in. (mm)	51-7/8" (1318)
Saw Width – in. (mm)	25-3/16" (640)
Saw Height – in. (mm)	20-7/8" (530)
Saw Height With Stand – in. (mm)	41-13/16" (1240)
Arbor to Top of Cart – in. (mm)	4-3/4" (120)
Cart (Table) Length – in. (mm)	16" (406)
Cart (Table) Width – in. (mm)	16-9/64" (410)
Cart Travel – in. (mm)	22-5/8" (575)
Pan Length – in. (mm)	51-7/8" (1318)
Pan Width – in. (mm)	25-3/16" (640)
Weight Crated – lbs (kg)	75 (34)
Weight Uncrated – lbs. (kg)	65 (29.5)
Accessories	
Electric Water Pump - PE-1	701846 **68392** 6
Premium Stand w/Work Table	701846 **43045** 6
Adjustable Angle Guide	701846 **80907** 8

***= DATA PROVIDED BY ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table

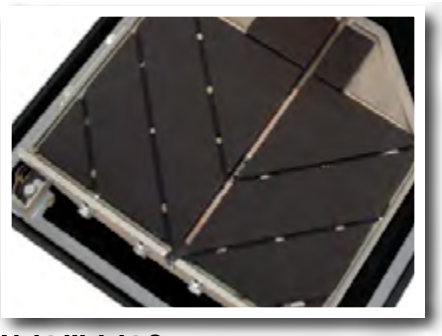


Adjustable Angle Guide

PRODUCT FEATURES



Motor Upgrade
Strong belt-driven 1 HP motor provides powerful and precise cutting.



Light-Weight Conveyor
Smooth slide creates straight cuts and has a locking mechanism for easier transportation.



Water Pump
High intake and output to keep fresh water in pan with a durable filter to keep debris out.



* Stand sold separately

A great value for a 7" tile saw that can handle the small to medium size jobs. This saw has many features of more expensive tile saws, like a belt-driven 1 HP motor for maximum motor-to-blade power. A sturdy aluminum cutting table with anti-skid top for keeping material in place while cutting and a light-weight water pan for easy cleaning and/or single operator use getting on and off the site.

TECHNICAL SPECIFICATIONS	CTC705
Product Number	701846 **81496** 6
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	2-1/2" (66)
Blade Shaft RPM	6000 RPM
Maximum Material Size – in. (mm)	17" (431)
Rip Cut Size – in. (mm)	17" (431)
Diagonal Size – in. (mm)	12" (305)
Cut Depth – in. (mm)	1-3/4" (44.5)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	No
Cutting Table	Aluminum
Water Pump	Yes
Power Source	Electric
Motor/Engine Type	Carbon Brush
Maximum Horsepower*	1 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	10 Amps
Saw Dimensions	
Saw Length – in. (mm)	30" (762)
Saw Width – in. (mm)	19-3/4" (502)
Saw Height – in. (mm)	17-1/2" (445)
Saw Height With Stand – in. (mm)	47-3/4" (1213)
Arbor to Top of Cart – in. (mm)	Adjustable
Cart (Table) Length – in. (mm)	14-1/4" (362)
Cart (Table) Width – in. (mm)	15" (381)
Cart Travel – in. (mm)	18-3/4" (477)
Pan Length – in. (mm)	30" (762)
Weight Crated – lbs. (kg)	50 (22.7)
Weight Uncrated – lbs. (kg)	43 (19.5)
Accessories	
Premium Stand w/Work Table	701846 **43045** 6
Electric Water Pump - PE-1	701846 **68392** 6
Adjustable Angle Guide	701846 **80907** 8

***= DATA PROVIDED BY ENGINE MANUFACTURER**
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide



Built-In Water Pan
Single unit design with optimized water recycling.



Chrome Steel Tilting Table
Convenient for miter cutting of 0-45° cuts with a tilt design to allow for quicker blade changes.



Quick Locking Rip Guide
Secures guide position for precise cuts.



The simple design of the tabletop tile saw features a powerful professional motor that veterans and novices alike will enjoy operating. Its solid construction incorporates a self-contained water pan with plug release, tilting table for miter cuts and a fast, precise lockable cutting guide. The robust carrying case allows for easy transportation or storage while protecting the unit.

TECHNICAL SPECIFICATIONS	CTC701
Product Number	701846 **30029** 2
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	2,990
Cut Depth – in. (mm)	1-9/16" (40)
Cutting Head	Steel
Built-In 45° Miter Cut	YES
Cutting Table	Chrome Steel
Water Pump	Blade Rotates In Water Pan
Power Source	Electric
Motor/Engine Type	T.E.F.C.
Maximum Horsepower*	1.5 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	7 Amps
Saw Dimensions	
Saw Length – in. (mm)	18.11" (460)
Saw Width – in. (mm)	14.17" (360)
Saw Height – in. (mm)	11-7/16" (290)
Weight Crated – lbs (kg)	40 (18)
Weight Uncrated – lbs (kg)	35 (15.9)

***= DATA PROVIDED BY MOTOR MANUFACTURER**



Recommended Blade Upgrade
ValuPlus Continuous Rim
See page 76



Wet Cut Kit (included)
Easy attaching water control.



1/2 HP for Ample Cutting
Powerful clean cuts in hard materials.



Built-in Miter Cut Capability
Simple tilting miter table for cutting up to 45°.



This is the portable solution for dry or wet cutting on smaller jobs. The 115 volt, single phase motor provides all the power you need combined with a built-in miter and depth adjustment to produce clean, accurate cuts every time.

TECHNICAL SPECIFICATIONS	TC405
Product Number	701846 **82709** 6
Blade Guard Capacity – in. (mm)	5" (127)
Maximum Depth of Cut – in. (mm)	1-1/4" (31)
Arbor Size – in. (mm)	20mm
Blade Flange Diameter – in. (mm)	1.41 (36)
Blade Shaft RPM	12,000
Cut Depth – in. (mm)	1-3/16" (30)
Built-In 45° Miter Cut	YES
Power Source	Electric
Motor/Engine Type	Universal Brush
Maximum Horsepower*	1/2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	5 Amp
Saw Dimensions	
Saw Length – in. (mm)	9-3/8" (238)
Saw Width – in. (mm)	7-7/8" (200)
Saw Height – in. (mm)	6-1/2" (165)
Weight Crated – lbs (kg)	8 (3.6)
Weight Uncrated – lbs (kg)	6.4 (2.9)

***= DATA PROVIDED BY MOTOR MANUFACTURER**
GENUINE NORTON DIAMOND BLADE (3 QTY) INCLUDED WITH SAW.



Recommended Blade Upgrade
Norton Classic Continuous Rim
See page 75





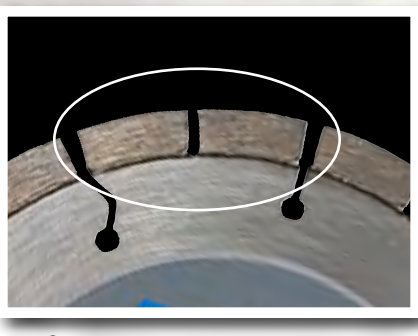
the dynamic duo
A FAMILY OF EVOLUTION

Two is definitely better than one when you can bring twice the performance in cut and life to the job. The split segment design and V-shaped gullets optimize the angle of attack while enhancing particle evacuation. The result is exceptional cutting speed and unprecedented blade life in critically hard materials. It's all about the tools that work harder so you don't have to.

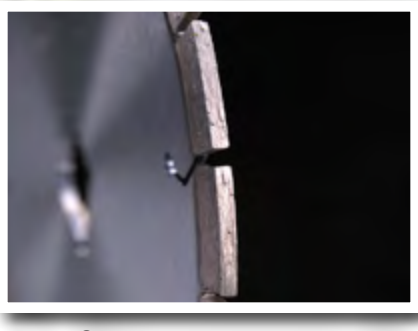




Trapezoidal Segments
Provide low vibration and cutting speed with high comfort of cut.



Two Segments per Land
More gullets, contribute to reducing diamond wear.



Unique Gullets
Improve cooling life and permanent blade direction rotation.

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *SEGMENTED RIM*

DUO



The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting hard materials and fiber cement board.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84526** 7	DUO0450	4-1/2 x .086 x 7/8-5/8-20mm	13300	.393"
701846 **84527** 4	DUO0500	5 x .086 x 7/8-5/8-20mm	12000	.393"
701846 **84129** 8	DUO0700	7 x .098 x DM-7/8-5/8	8730	.393"

CHARGER



High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81505** 5	CGDSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
076607 **04021** 3	CGDSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
701846 **82851** 2	CGDSEG0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
701846 **83820** 7	CGDSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
076607 **04020** 6	CGDSEG0700	7 x .090 x DM-7/8-5/8	8730	.393"
701846 **81513** 0	CGDSEG0800	8 x .090 x DM-7/8-5/8	7640	.393"
701846 **69483** 4	CGDSEG0900	9 x .090 x 7/8-5/8"	6600	.393"

NORTON CLASSIC



The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02791** 7	CODSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **02789** 4	CODSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84463** 5	0450SEG5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84006** 4	CODSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 **02786** 3	CODSEG0700	7 x .090 x DM-7/8-5/8	8730	.315"
701846 **84464** 2	0700SEG5PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS



For value and performance on small to medium size jobs cutting soft abrasive materials like brick and tile. The sintered rim delivers a quality cut and good life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84098** 9	VPSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84099** 6	VPSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84100** 9	VPSEG0700	7 x .090 x DM-7/8-5/8	8730	.275"

General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *TURBO RIM*

CHARGER



Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **05475** 3	CGTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.394"
076607 **04023** 7	CGTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.394"
701846 **82853** 6	CGTURB0500	5 x .080 x 7/8-5/8-20mm	12000	.394"
701846 **83821** 4	CGTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.394"
076607 **04022** 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.394"
701846 **81512** 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.394"

NORTON CLASSIC



Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02792** 4	COTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **04018** 3	0400TURBO5PK	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 **02790** 0	COTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 **04017** 6	0450TURBO5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 **05344** 2	COMBO Pack	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 **84011** 8	COTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 **02787** 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"
076607 **04016** 9	0700TURBO5PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS



For value and performance on small to medium size jobs cutting soft brick and tile. The turbo continuous rim cuts fast with a smoother quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84105** 4	VPTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84106** 1	VPTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84107** 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"

Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

DRY – *TURBO RIM*

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

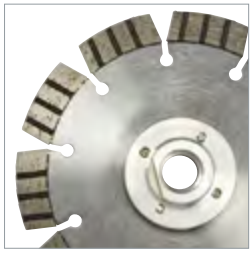
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83778** 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.590"
701846 **83779** 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.590"
701846 **83780** 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.590"
701846 **83781** 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.590"
701846 **83782** 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.590"



SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free edge flush to the counter or edge.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84546** 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.590"
701846 **84545** 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.590"



DRY – *SEGMENTED RIM*

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84528** 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 **84529** 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 **84530** 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



DRY – *CONTINUOUS RIM*

NORTON CLASSIC

An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 **02793** 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 **01194** 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 **02788** 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"



VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84087** 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 **84088** 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 **84089** 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – *TUCK POINTING*

CHARGER

High performance dry cutting with an extra wide .250 segment specification that allows thorough cleaning and extended life for mortar or expansion joint repair.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81506** 1	CGTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **81781** 3	CGTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



NORTON CLASSIC

An economical solution for small to medium tuck pointing jobs. High quality performance for heavy grout removal or mortar jointing. The heavy duty wide segment reduces wear in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **81776** 9	CHTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **81777** 6	CHTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"
701846 **81778** 3	CHTUCK0500	5 x .250 x 7/8-5/8-20mm	12000	.275"
701846 **81779** 0	CHTUCK0700	7 x .250 x 7/8-5/8-20mm	8730	.275"
701846 **81780** 6	CHTUCK0800	8 x .250 x 7/8-5/8-20mm	7640	.275"



VALUPLUS

A value price point for small to medium size jobs. Cleans grout and motor joints quickly and efficiently with hand-held tools.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **84020** 0	CON4TP	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 **83862** 7	CON45TP	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

DRY – *CRACK CHASING*

CHARGER

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 **83856** 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 **83859** 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – *CUP GRINDER*

NORTON CLASSIC

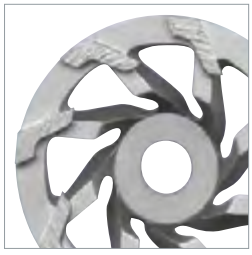
Available in a range of sizes and segment designs for optimum performance by life or by speed. Ideal for levelling all types of masonry materials, brick, block, concrete and stone. Strategically placed hole designs help ventilate dust from the surface to extend the life of the cups.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Single Row for Fast Stock Removal				
701846 **82585** 6	CHSCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846 **84035** 4	CHSCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846 **82594** 8	CHSCPH0700	7 x 7/8-5/8-20mm	8730	.210"
701846 **82555** 9	CHSCPT0400	4 x 5/8"-11	15000	.210"
701846 **84036** 1	CHSCPT0500	5 x 5/8"-11	12225	.210"
701846 **82593** 1	CHSCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Double Row for Long Life, Smooth Finish				
701846 **82588** 7	CHDCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846 **84037** 8	CHDCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846 **82596** 2	CHDCPH0700	7 x 7/8-5/8-20mm	87330	.210"
701846 **82586** 3	CHDCPT0400	4 x 5/8"-11	15000	.210"
701846 **84038** 5	CHDCPT0500	5 x 5/8"-11	12225	.210"
701846 **82595** 5	CHDCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Swirl for Most Aggressive Cut, Smooth Finish				
701846 **84039** 2	CHSWCPH0500	5 x 7/8-5/8-20mm	12225	.180"
701846 **83825** 2	CHSWCPH0700	7 x 7/8-5/8-20mm	8730	.180"
701846 **83826** 9	CHSWCPT0400	4 x 5/8"-11	15000	.180"
701846 **84040** 8	CHSWCPT0500	5 x 5/8"-11	12225	.180"
701846 **83827** 6	CHSWCPT0700	7 x 5/8"-11	8730	.180"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
Turbo for Long Life, Very Smooth Finish				
701846 **83830** 6	CHTURCPT0400	4 x 5/8"-11	15000	.210"
701846 **83831** 3	CHTURCPT0700	7 x 5/8"-11	8730	.210"
701846 **44801** 7	CHTURSB0450	4-1/2" X 5/8-11	15000	.196"
701846 **44802** 4	CHTURSB0700	7 x 5/8"-11	8730	.196"

Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

REINFORCED CUT-OFF WHEELS

NORTON METAL

Standard grade with good performance and life when cutting metal.

UPC	SIZE	MAX RPM	STD PKG
076607 **89399** 3	14 x 7/64 x 1	4365	5



NORTON METAL – PRO STUD

A thin, side-reinforced wheel with high-performance aluminum oxide abrasive. Designed specifically for cutting steel studs.

UPC	SIZE	MAX RPM	STD PKG
076607 **89405** 5	14 x 7/64 x 1	4365	10



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE

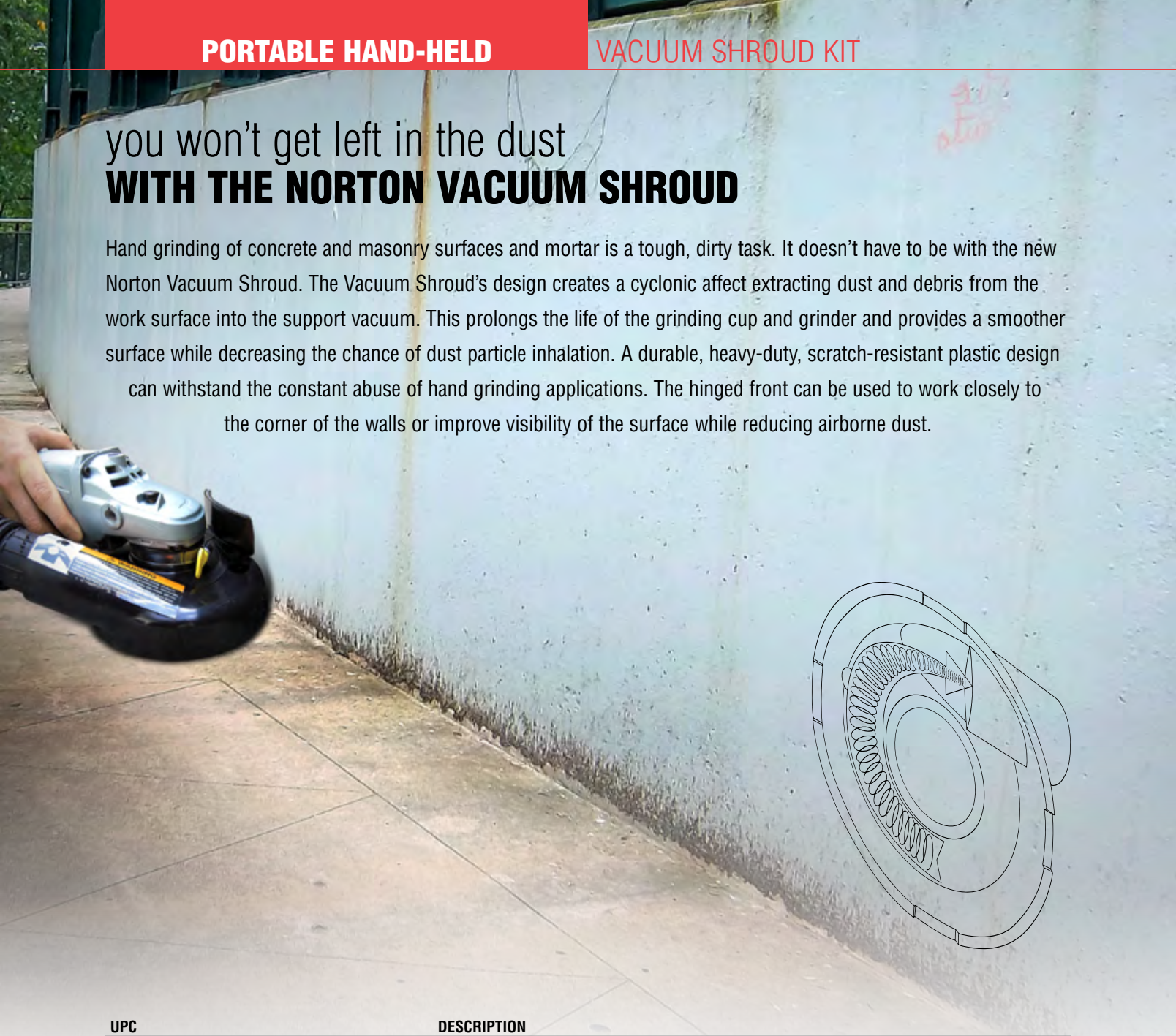
Standard silicon carbide with good performance when cutting brick, block, concrete and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
076607 **89402** 7	14 x 7/64 x 1	4365	5



you won't get left in the dust
WITH THE NORTON VACUUM SHROUD

Hand grinding of concrete and masonry surfaces and mortar is a tough, dirty task. It doesn't have to be with the new Norton Vacuum Shroud. The Vacuum Shroud's design creates a cyclonic affect extracting dust and debris from the work surface into the support vacuum. This prolongs the life of the grinding cup and grinder and provides a smoother surface while decreasing the chance of dust particle inhalation. A durable, heavy-duty, scratch-resistant plastic design can withstand the constant abuse of hand grinding applications. The hinged front can be used to work closely to the corner of the walls or improve visibility of the surface while reducing airborne dust.



UPC	DESCRIPTION
701846 **41039** 7	Kit includes: One Shroud, Five different adaptor rings to fit most popular right angle grinders, One 7" Norton Classic Single Row Cup Wheel



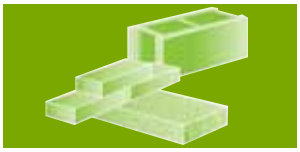
Simple and Easy Design
Durable, scratch-resistant body with steel reinforcement ring to provide strong support when grinding. Provides smoother and longer shroud life.



Additional Adapters
Five extra adaptor rings enabling the shroud to be mounted on various industry grinders. Every kit comes with a single row diamond cup.



Hinged Window
Provides additional visibility of the surface with closer grinding performance along walls and corners.



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof files and other medium hard materials.



FLARED CUP WHEELS

MASONRY – SILICON CARBIDE

For very heavy stock removal and beveling applications on all types of masonry materials.

UPC	PART #	SIZE	MAX RPM	STD. PKG.
Type 11				
076607 **89431** 1	YAFC4	4 x 2 x 5/8-11	9070	10
076607 **89432** 8	YAFC5	5 x 2 x 5/8-11	7260	5
662528 **09609** 7	YAFC6	6 x 2 x 5/8-11	6000	5



General Purpose and Metal Materials

Concrete, reinforced concrete, asphalt over concrete, granite, building materials, angle iron up to 1/2" material thickness and other metals.



FLARED CUP WHEELS

METAL – ALUMINUM OXIDE

For very heavy stock removal and beveling applications on all types of metal materials.

UPC	PART #	SIZE	MAX RPM	STD. PKG.
Type 11				
662435 **10512** 7	YAFM4	4 x 2 x 5/8-11	9070	10
076607 **89430** 4	YAFM5	5 x 2 x 5/8-11	7260	5
662528 **09618** 9	YAFM6	6 x 2 x 5/8-11	6000	5

WARNING



Abrasive Cup Wheel Safety and You

Following OSHA and ANSI safety requirements when using abrasive cup wheels may require a little extra time and increase your short run cost. However, it is much less costly to "do it right" than risk the time lost and high cost of accidents. Knowing the rules and following those rules does not only make good business sense, but it is the smart thing to do! Following is a checklist of the important rules to follow:

1 SPEED: Make sure wheel is rated at or above the grinder's rating.

2 GUARD: Use the right guard and never grind without the guard on the grinder.

3 MOUNTING: Inspect the wheel before mounting and run a test in an enclosed area prior to grinding. Only use grinders with a proper back flange.

4 WEAR all required personal protective equipment such as eye, face, hearing, and respiratory protection; as well as gloves, aprons, arm guards, and safety shoes.

CUP BRUSHES – CARBON

Exceptional knotted wire cup brushes for heavy cutting, deburring, weld or large area cleaning. Single row with twist knot construction limits flaring of the brush around corners or angles. Double row twist knot cups allow a faster, aggressive action for severe applications. High Performance cable crimped cups provides up to 50% longer life and better flexibility on irregular surfaces.



CRIMPED CUT

UPC	SIZE	MAX RPM	STD. PKG.
699366 **53341** 5	3 x .014 – 5/8-11	15,000	5
699366 **53347** 7	4 x .014 – 5/8-11	9,000	5
699366 **53348** 4	6 x .014 – 5/8-11	6,000	5
699366 **53349** 1	6 x .020 – 5/8-11	6,000	1*



HIGH PERFORMANCE CABLE CRIMPED WITH PROTECTIVE GUARD

UPC	SIZE	MAX RPM	STD. PKG.
Single Row			
662528 **33493** 9	3 x 12x.009 brass x 5/8-11	15,000	5
662528 **33494** 6	4 x 12x.009 brass x 5/8-11	9,000	5
662528 **33495** 3	5 x 12x.009 brass x 5/8-11	6,500	5



KNOTTED CUP WITH PROTECTIVE GUARD

UPC	SIZE	MAX RPM	STD. PKG.
Single Row			
662528 **33492** 2	2-3/4 x .020 – 5/8-11	15,000	5
662528 **33496** 0	4 x .020 – 5/8-11	9,000	5
662528 **33497** 7	5 x .020 – 5/8-11	6,500	5



KNOTTED CUP

UPC	SIZE	MAX RPM	STD. PKG.
Single Row			
699366 **53336** 1	2-3/4 x .020 – 5/8-11	15,000	5
699366 **53338** 5	2-3/4 x .020 – M10-1.25	15,000	5
699366 **53345** 3	4 x .023 – 5/8-11	9,000	5
699366 **05965** 6	6 x .023 – 5/8-11	6,500	5
699366 **02003** 8	6 x .035 – 5/8-11	6,500	5
Double Row			
699366 **53346** 0	6 x .020 – 5/8-11	6,000	1*



SAUCER CUP

UPC	SIZE	MAX RPM	STD. PKG.
Twist Knot			
662528 **33483** 0	4 x .020 – 5/8-11	15,000	5
Crimped			
662528 **33485** 4	4 x .014 – 5/8-11	15,000	5

*** THESE BRUSHES ARE BULK PACKED.**

CUP BRUSHES – STAINLESS STEEL

Knotted single row brushes provides additional resistance of flaring of the brush when used on corners and angles. Rigid structure for long life and high impact cutting and cleaning.



KNOTTED CUP

UPC	SIZE	MAX RPM	STD. PKG.
Single Row			
699366 **53340** 8	2-3/4 x .020 – 5/8-11	15,000	5
662528 **33947** 7 NEW	with bridle 4 x .020 – 5/8-11	9,000	5

END BRUSHES – CARBON

Durable, stem mounted, carbon wire with knotted ends. Designed for aggressive cutting and deburring.



STEM MOUNTED

UPC	SIZE	MAX RPM	STD. PKG.
Knotted			
699366 **53316** 3	3/4 x .020 x 1/4 SHANK	20,000	10*
699366 **06279** 3	1 x .014 x 1/4 SHANK	20,000	10*
699366 **53310** 1	1 x .020 x 1/4 SHANK	20,000	10*



STEM MOUNTED

UPC	SIZE	MAX RPM	STD. PKG.
Crimped			
699366 **53317** 0	3/4 x .014 x 1/4 SHANK	20,000	10*
699366 **53309** 5	1 x .020 x 1/4 SHANK	20,000	10*

END BRUSHES – STAINLESS STEEL

For use on die grinders. Crimped wire to clean and deburr in recessed areas or the inner diameter of tubes and pipe. Excellent for lighter brushing action on contoured surfaces.



STEM MOUNTED

UPC	SIZE	MAX RPM	STD. PKG.
Knotted			
699366 **06145** 1	3/4 x .006 x 1/4 SHANK	20,000	10*

*** THESE BRUSHES ARE BULK PACKED.**

WARNING

Comply with the safety requirements found in ANSI B165 "Power-Driven Brushing Tools – Safety Requirements for the Design, Care and Use." For additional information on safety, please visit www.nortonconstructionproducts.com.



WHEEL BRUSHES – CARBON

Narrow face stringer bead wire delivers high impact cutting and cleaning for the toughest applications. Specially suited for groove and weld bead, corners and t-connections. Large wire wheels clean concrete and asphalt joints and cracks quickly and efficiently before filling or scaling.



STANDARD TWIST KNOT

UPC	SIZE	MAX RPM	STD. PKG.
699366 **06275** 5	4 x .020 – 5/8-11	20,000	5
699366 **53327** 9 NEW	6 x .020 – 5/8-11	12,500	5



FULL CABLE TWIST KNOT

UPC	SIZE	MAX RPM	STD. PKG.
699366 **53331** 6	4 x .020 – 5/8-11	20,000	6*
662528 **33487** 8 NEW	5 x .020 – 5/8-11	12,500	5
699366 **53352** 1	6 x .023 – 5/8-11	12,500	5



STRINGER BEAD FOR JOINT/CRACK CLEANING

UPC	SIZE	MAX RPM	STD. PKG.
699366 **06277** 9 NEW	4 x .020 – 5/8-11	15,000	5
662528 **33489** 2 NEW	4 x .020 – 5/8-11	15,000	6*
662528 **33490** 8 NEW	5 x .020 – 5/8-11	12,000	6*
699366 **53350** 7 NEW	6 x .020 – 5/8-11	9,000	10*
699366 **53329** 3 NEW	6-7/8 x .020 – 5/8-11	9,000	10*
699366 **06280** 9	12 x .035 x 1	4,500	2*



CRIMPED BENCH WHEELS (BUSHING SIZES INCLUDED)

UPC	SIZE	MAX RPM	STD. PKG.
Narrow 1/2" Face			
699366 **53306** 4	6 x .014 – 1/2-2	6,500	1
Medium 3/4" Face			
699366 **53324** 8	6 x .014 – 1/2-2	6,500	1
699366 **53326** 2	8 x .014 – 1/2-2	4,500	1

*** THESE BRUSHES ARE BULK PACKED.**

WARNING

Comply with the safety requirements found in ANSI B165 "Power-Driven Brushing Tools – Safety Requirements for the Design, Care and Use." For additional information on safety, please visit www.nortonconstructionproducts.com



WHEEL BRUSHES – STAINLESS STEEL

Made of 304L stainless steel with high chromium content resists corrosion and provides a high tensile strength. Full cable twist knot wire brushes provide a very low flex and high-impact cutting and cleaning. Stringer bead knotted brushes are well suited for cleaning of weld beads, grooves and t-connections with superior results in the toughest applications.



REGULAR TWIST KNOT

UPC	SIZE	MAX RPM	STD. PKG.
699366 **53333** 0	4 x .020 – 5/8-11	20,000	5
699366 **53334** 7 NEW	4 x .020 – M10x1.25/1.50	20,000	5
662528 **33488** 5 NEW	5 x .020 – 5/8-11	12,500	5



STRINGER BEAD FOR JOINT/CRACK CLEANING

UPC	SIZE	MAX RPM	STD. PKG.
699366 **06278** 6	4 x .020 – 5/8-11	15,000	5
662528 **33491** 5	5 x .020 – 5/8-11	12,000	6*
699366 **53351** 4	6 x .020 – 5/8-11	9,000	10*

HAND BRUSHES – CARBON

Available in an ergonomic long or shoe style plastic handle. The narrow design allows access into tight areas and slots for thorough cleaning or deburring. Crimped wire for longer life. Steel scratch brushes are made with a high carbon brass coated steel.



BRUSH

UPC	SIZE	STD. PKG.
662528 **33948** 4	Scratch Brush 3 x 19 Long Handle	12*
662528 **33949** 1	Scratch Brush 4 x 16 Shoe Handle	30*
662528 **33954** 5	Scratch Brush Plastic Handle	24*

HAND BRUSHES – STAINLESS STEEL

Available in an ergonomic long or shoe style plastic handle. The narrow design allows access into tight areas and slots for thorough cleaning or deburring. Crimped wire for longer life. Steel scratch brushes are made with 304L stainless steel.



BRUSH

UPC	SIZE	STD. PKG.
662528 **33950** 7	Scratch Brush 3 x 19 Long Handle	12*
662528 **33951** 4	Scratch Brush 4 x 16 Shoe Handle	30*
662528 **33953** 8	Scratch Brush Plastic Handle	24*
662528 **33952** 1	Inspection Brush 3 x 7	36*

*** THESE BRUSHES ARE BULK PACKED.**

Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

REINFORCED CUT-OFF WHEELS

NORTON METAL

Standard grade with good performance and life when cutting metal.

UPC	SIZE	MAX RPM	STD PKG
076607 **89399** 3	14 x 7/64 x 1	4365	5



NORTON METAL – PRO STUD

A thin, side-reinforced wheel with high-performance aluminum oxide abrasive. Designed specifically for cutting steel studs.

UPC	SIZE	MAX RPM	STD PKG
076607 **89405** 5	14 x 7/64 x 1	4365	10



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE

Standard silicon carbide with good performance when cutting brick, block, concrete and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
076607 **89402** 7	14 x 7/64 x 1	4365	5



BENCH & PEDESTAL WHEELS



ALUMINUM OXIDE – FOR METAL (GRAY)

For offhand deburring, sharpening, shaping and limited stock removal on all types of materials. Aluminum oxide wheels are ideal for general purpose metal grinding and finishing.

UPC	PART #	SIZE	GRIT	MAX RPM	STD. PKG.
076607 **88275** 2	Y460012	7 x 1 x 1	Coarse	3600	5
076607 **88286** 8	Y460022	8 x 1 x 1	Coarse	3100	5
076607 **88295** 0	Y460033	10 x 1 x 1-1/4	Coarse	2485	1
662532 **63055** 3	Y460037	12 x 2 x 1-1/2	Coarse	2070	1
076607 **88240** 0	Y460002	6 x 3/4 x 1	Medium	4140	5
076607 **88255** 4	Y460006	6 x 1 x 1	Medium	4140	10
076607 **88270** 7	Y460013	7 x 1 x 1	Medium	3600	5
076607 **88285** 1	Y460023	8 x 1 x 1	Medium	3100	5
076607 **88290** 5	Y460027	10 x 1 x 1-1/4	Medium	2485	1
662532 **63056** 0	Y460038	12 x 2 x 1-1/2	Medium	2070	1
076607 **88235** 6	Y460003	6 x 3/4 x 1	Fine	4140	5
076607 **88265** 3	Y460014	7 x 1 x 1	Fine	3600	5
076607 **88280** 6	Y460024	8 x 1 x 1	Fine	3100	5



SILICON CARBIDE – FOR NON METAL (GREEN)

For offhand deburring, sharpening, shaping, and limited stock removal on all types of materials. Silicon carbide is excellent for grinding carbide, tungston, glass and fiberglass.

UPC	PART #	SIZE	GRIT	MAX RPM	STD. PKG.
662528 **37190** 3	Y460009	6 x 3/4 x 1	Medium	4140	1
662529 **42300** 7	Y460016	7 x 1 x 1	Medium	3600	1
662530 **44087** 1	Y460019	8 x 1 x 1	Medium	3100	1
662528 **37191** 0	Y460010	6 x 3/4 x 1	Fine	4140	1
662530 **44534** 0	Y460020	8 x 1 x 1	Fine	3100	1
662528 **37192** 7	Y460011	6 x 3/4 x 1	Extra Fine	4140	1

HAND GRINDING



RUBBING BRICKS

Long life and good performance for removing mold, form marks, cleaning casting or smoothing down concrete.

UPC	PART #	SIZE	DESCRIPTION	STD. PKG.
614636 **87840** 9	RB87840N	6 x 2 x 2	Fluted	5
614636 **87845** 4	RB87845N	8 x 2 x 2	Fluted	5
614636 **87800** 3	* RBH87800N	6 x 3 x 1	Fluted with handle	5
614636 **87795** 2	* RBH87795N	8 x 3-1/2 x 1-1/2	Fluted with handle	5



2 x 2 x 4 GRINDING STONES

For removing or grinding concrete imperfections, uneven joints and exposed aggregate. Coarse for fast stock removal, medium for finish grinding and fine for a smoothing surface.

UPC	PART #	SIZE	GRIT	STD. PKG.
614636 **53295** 0	YAGS2F	2 x 2 x 4	Fine (80 grit)	6
614636 **53294** 3	YAGS2M	2 x 2 x 4	Medium (24 grit)	6
614636 **53293** 6	YAGS2C	2 x 2 x 4	Coarse (10 grit)	6
614636 **53292** 9	YAGS2X	2 x 2 x 4	Extra Coarse (6 grit)	6
614636 **85297** 3	YDDWEDGE	Wood Wedges*		6

***WOOD WEDGES INCLUDED WITH GRINDING STONES**



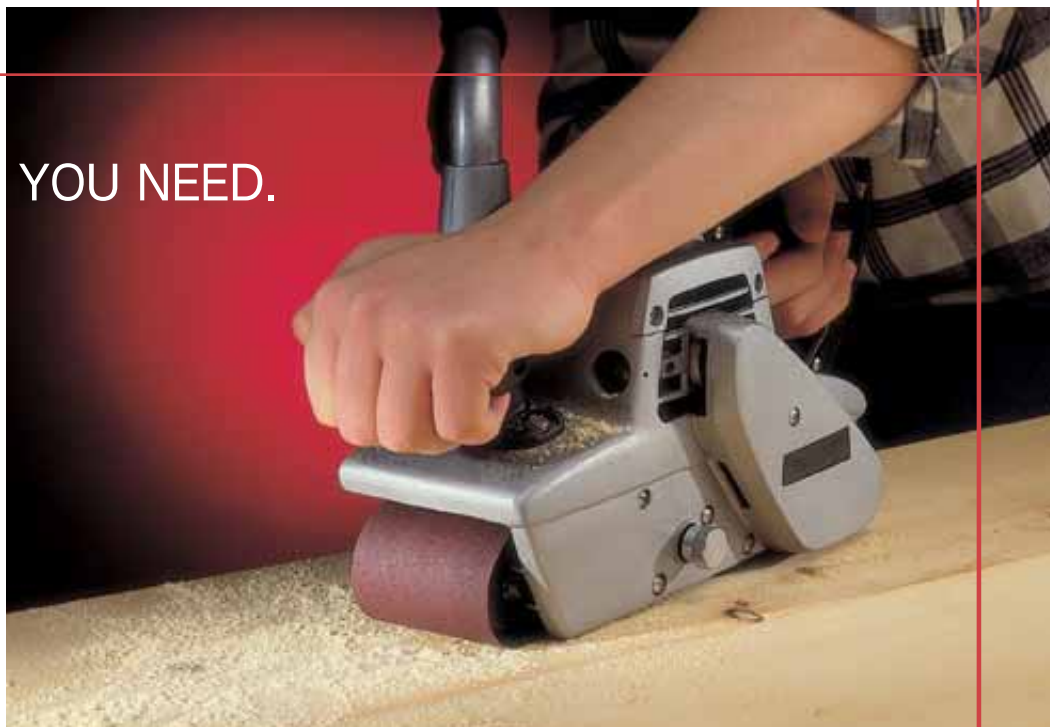
PORTABLE BELTS

ALUMINUM OXIDE CLOTH BELTS

For high speed sanding of flat surfaces using portable belts sanders. Ideal for abrasive planing of wood or grinding and finishing of all metals

UPC	PART #	SIZE	GRIT	MAX RPM	STD. PKG.
780727 **27922** 3	YS21675N	3" x 21"	120	10	50
780727 **27923** 0	YS21676N	3" x 21"	100	10	50
780727 **27924** 7	YS21680N	3" x 21"	80	10	50
780727 **27925** 4	YS21685N	3" x 21"	60	10	50
780727 **81846** 0	YS21692N	3" x 21"	36	5	25
780727 **27932** 2	YS21740N	3" x 24"	120	10	50
780727 **27933** 9	YS21745N	3" x 24"	100	10	50
780727 **27934** 6	YS21750N	3" x 24"	80	10	50
780727 **27935** 3	YS21755N	3" x 24"	60	10	50
780727 **27936** 0	YS21760N	3" x 24"	50	10	50
780727 **27937** 7	YS21765N	3" x 24"	40	10	50
780727 **81847** 7	YS21770N	3" x 24"	36	5	25
780727 **27942** 1	YS22044N	4" x 24"	120	10	50
780727 **27943** 8	YS22045N	4" x 24"	100	10	50
780727 **27944** 5	YS22050N	4" x 24"	80	10	50
780727 **27945** 2	YS22055N	4" x 24"	60	10	50
780727 **27946** 9	YS22056N	4" x 24"	50	10	50
780727 **27947** 6	YS22057N	4" x 24"	40	10	50
780727 **80438** 8	YS22058N	4" x 24"	36	5	25

ALL THE **MUSCLE**



NORTON SAINT-GOBAIN clipper®

VACUUM SHROUD KIT

Improves Surface Visibility While Reducing Airborne Silica Dust!

Hand grinding of concrete and masonry surfaces and mortar is a tough, dirty task. It doesn't have to be with the Norton Vacuum Shroud. The Vacuum Shroud's design creates a cyclone effect extracting dust and debris from the work surface into the support vacuum. This prolongs the life of the grinding cup and grinder and provides a smoother surface. A durable, heavy-duty, scratch-resistant plastic design can withstand the constant abuse of hand grinding applications.





FEATURES & BENEFITS

- Simple and easy design allows shroud to be fit on the most popular grinders
- 7" shroud is hinged, providing additional visibility
- Closer grinding performance in corners/walls
- Durable, scratch-resistant
- Steel reinforcement ring, increases wear resistance and smoother surface movement

ALL THE **MUSCLE** YOU NEED™

®

NORTON® SAINT-GOBAIN

NORTON SAINT-GOBAIN clipper®

VACUUM SHROUD KIT

AVAILABILITY:

5" KIT

UPC #: 701846 94059 7

5" Vacuum Shroud Kit includes a universal adapter to fit the industry standard right angle grinders and a 5" Norton Classic Single Row Cup Wheel.

7" KIT

UPC #: 701846 41039 7

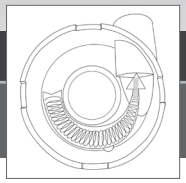
7" Vacuum Shroud Kit includes *5 different rings* to fit most popular right angle grinders and a 7" Norton Classic Single Row Cup Wheel.



These kits provide everything needed to get the job done fast, efficiently and dustless! It is just what you expect from Norton, a cut above in performance and affordability.

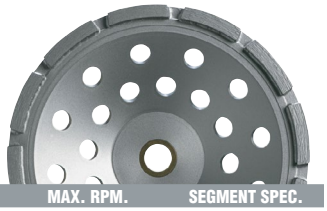
TECHtip

The Norton Vacuum Shroud design and the rotation of the grinder create a cyclone effect pulling debris and dust from the work area into the vacuum channel. This technology allows better operating conditions, prolongs the grinder and tooling life and more importantly decreases chances of silica inhalation.



NORTON CLASSIC CUP GRINDER WHEELS

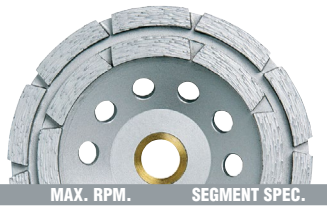
Norton cup wheels are available in a range of sizes and segment designs for optimal performance by life or by speed. Ideal for leveling all types of masonry materials, brick, block, concrete and stone. The strategically placed hole designs help ventilate dust from the surface extending life of the cups. Any of the cup wheels listed below can be used with Norton's Vacuum Shroud.



SINGLE ROW

Fast stock removal

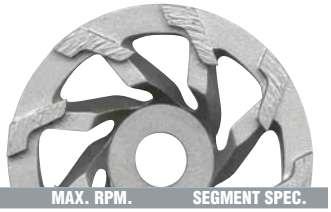
UPC	PART #	SIZE	MAX. RPM.	SEGMENT SPEC.
701846 **84036** 1	CHSCPT0500	5" x 5/8"-11	12,225	0.210"
701846 **82593** 1	CHSCPT0700	7" x 5/8"-11	8,730	0.210"



DOUBLE ROW

Long life, smooth finish

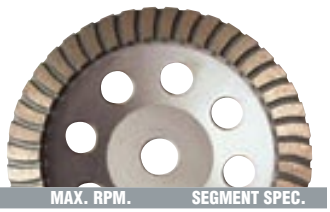
UPC	PART #	SIZE	MAX. RPM.	SEGMENT SPEC.
701846 **84038** 5	CHDCPT0500	5" x 5/8"-11	12,225	0.210"
701846 **82595** 5	CHDCPT0700	7" x 5/8"-11	8,730	0.210"



SWIRL

Most aggressive cut, smooth finish

UPC	PART #	SIZE	MAX. RPM.	SEGMENT SPEC.
701846 **84040** 8	CHSWCPT0500	5" x 5/8"-11	12,225	0.180"
701846 **83827** 6	CHSWCPT0700	7" x 5/8"-11	8,730	0.180"



TURBO

Long life, Very smooth finish

UPC	PART #	SIZE	MAX. RPM.	SEGMENT SPEC.
701846 **83830** 6	CHTURCPT0400	5" x 5/8"-11	15,000	0.210"
701846 **83831** 3	CHTURCPT0700	7" x 5/8"-11	8,730	0.210"

ALL THE **MUSCLE** YOU NEED™

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USA CUSTOMER SERVICE:
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Toll Free Fax: 1 (800) 443-1092

CANADA CUSTOMER SERVICE:
Toll Free Phone: 1 (800) 263-6565
Toll Free Fax: 1 (800) 561-9490

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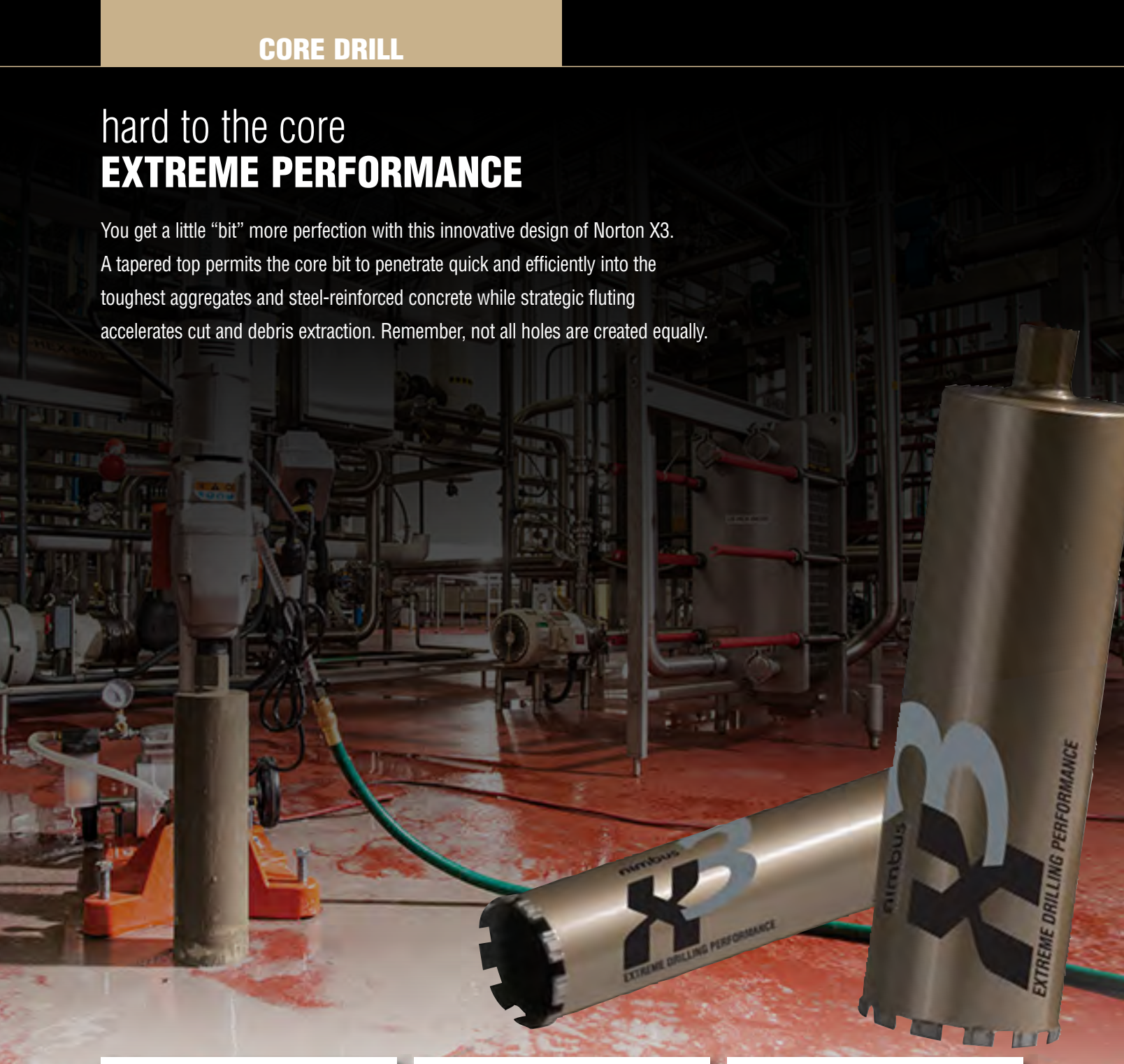
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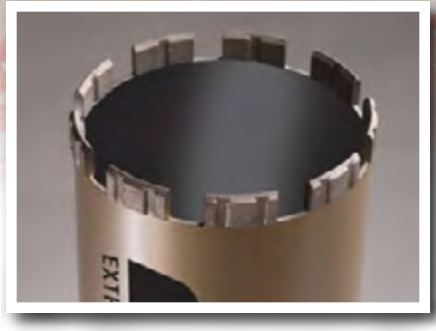
PRIMARY SPONSOR

SAINT-GOBAIN

hard to the core
EXTREME PERFORMANCE

You get a little “bit” more perfection with this innovative design of Norton X3. A tapered top permits the core bit to penetrate quick and efficiently into the toughest aggregates and steel-reinforced concrete while strategic fluting accelerates cut and debris extraction. Remember, not all holes are created equally.

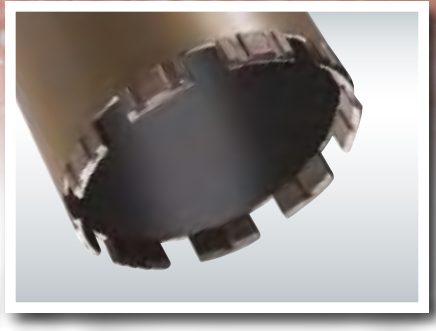




Strong Cores
Each tube is laser-welded to withstand demanding applications.



Tapered Segment
Turbo type design allows faster penetration.



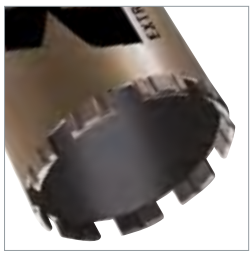
Large Segment Height
Extends product life.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET

X3



Unique segment geometry provides quicker penetration with exceptional cutting speed in critically hard materials using standard speed, core drill equipment.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **42289** 5	X3 2" Laser Welded	2"	51mm	2000	.393"
701846 **42290** 1	X3 2-1/2" Laser Welded	2-1/2"	64mm	1300	.393"
701846 **42291** 8	X3 3" Laser Welded	3"	76mm	1300	.393"
701846 **42292** 5	X3 3-1/2" Laser Welded	3-1/2"	89mm	1300	.393"
701846 **42293** 2	X3 4" Laser Welded	4"	102mm	1000	.393"
701846 **42294** 9	X3 4-1/2" Laser Welded	4-1/2"	114mm	800	.393"
701846 **42295** 6	X3 5" Laser Welded	5"	127mm	800	.393"
701846 **42296** 3	X3 6" Laser Welded	6"	152mm	665	.393"
701846 **42297** 0	X3 7" Laser Welded	7"	178mm	600	.393"
701846 **42298** 7	X3 8" Laser Welded	8"	203mm	500	.393"
701846 **82813** 0	X3 10" Laser Welded	10"	254mm	400	.393"
701846 **43720** 2	X3 12" Laser Welded	12"	305mm	330	.393"
701846 **42721** 9	X3 14" Laser Welded	14"	356mm	285	.393"

CHARGER



Laser welded segments for faster penetration in medium aggregate with reinforcement and maximum utilization of segment life.

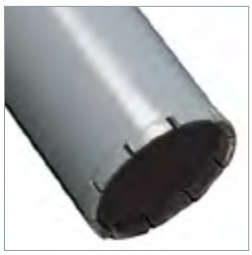
UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **82778** 2	CGBIT0100	1"	25mm	4,000	.315"
701846 **82779** 9	CGBIT0125	1-1/4"	32mm	3,000	.315"
701846 **82780** 5	CGBIT0150	1-1/2"	38mm	3,000	.315"
701846 **82781** 2	CGBIT0175	1-3/4"	44mm	2,000	.315"
701846 **82782** 9	CGBIT0200	2"	51mm	2,000	.315"
701846 **82783** 6	CGBIT0225	2-1/4"	57mm	1,300	.315"
701846 **82784** 3	CGBIT0250	2-1/2"	64mm	1,300	.315"
701846 **82785** 0	CGBIT0300	3"	76mm	1,300	.315"
701846 **82786** 7	CGBIT0350	3-1/2"	89mm	1,000	.315"
701846 **82787** 4	CGBIT0400	4"	102mm	1,000	.315"
701846 **82788** 1	CGBIT0425	4-1/4"	108mm	800	.315"
701846 **82789** 8	CGBIT0450	4-1/2"	114mm	800	.315"
701846 **82790** 4	CGBIT0500	5"	127mm	800	.315"
701846 **82791** 1	CGBIT0600	6"	152mm	665	.315"
701846 **82792** 8	CGBIT0700	7"	178mm	600	.315"
701846 **82793** 5	CGBIT0800	8"	203mm	500	.315"
701846 **82794** 2	CGBIT1000	10"	254mm	400	.315"
701846 **82795** 9	CGBIT1200	12"	305mm	330	.315"
701846 **82796** 6	CGBIT1400	14"	356mm	285	.315"

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET

NORTON CLASSIC



Economical choice for use in harder concrete with heavy reinforcement and masonry materials with good performance.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **84447** 5	CHBIT0100	1"	25mm	4,000	.254"
701846 **84448** 2	CHBIT0150	1-1/2"	38mm	3,000	.254"
701846 **82762** 1	CHBIT0200	2"	51mm	2,000	.254"
701846 **82763** 8	CHBIT0225	2-1/4"	57mm	2,000	.254"
701846 **82764** 5	CHBIT0250	2-1/2"	64mm	1,300	.254"
701846 **82765** 2	CHBIT0300	3"	76mm	1,300	.254"
701846 **82766** 9	CHBIT0350	3-1/2"	89mm	1,300	.254"
701846 **82767** 6	CHBIT0400	4"	102mm	1,000	.254"
701846 **82768** 3	CHBIT0425	4-1/4"	108mm	1,000	.254"
701846 **82769** 0	CHBIT0450	4-1/2"	114mm	800	.254"
701846 **82770** 6	CHBIT0500	5"	127mm	800	.254"
701846 **82771** 3	CHBIT0600	6"	152mm	665	.254"
701846 **82772** 0	CHBIT0700	7"	178mm	600	.254"
701846 **82773** 7	CHBIT0800	8"	203mm	500	.254"
701846 **82774** 4	CHBIT1000	10"	254mm	400	.254"
701846 **82775** 1	CHBIT1200	12"	305mm	330	.254"
701846 **82776** 8	CHBIT1400	14"	356mm	285	.254"

WET - *PRESTRESSED CONCRETE*

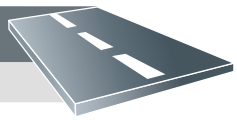
CHARGER



Fast drilling segments spaced to prevent segment loss when penetrating tensioned steel cable.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **83983** 9	CGPBIT0100	1"	25mm	4,000	.315"
701846 **83984** 6	CGPBIT0125	1-1/4"	32mm	3,000	.315"
701846 **83985** 3	CGPBIT0150	1-1/2"	38mm	3,000	.315"
701846 **83986** 0	CGPBIT0175	1-3/4"	44mm	2,000	.315"
701846 **83987** 7	CGPBIT0200	2"	51mm	2,000	.315"
701846 **83988** 4	CGPBIT0225	2-1/4"	57mm	1,300	.315"
701846 **83989** 1	CGPBIT0250	2-1/2"	64mm	1,300	.315"
701846 **83990** 7	CGPBIT0300	3"	76mm	1,300	.315"
701846 **83991** 4	CGPBIT0350	3-1/2"	89mm	1,000	.315"
701846 **83992** 1	CGPBIT0400	4"	102mm	1,000	.315"
701846 **83993** 8	CGPBIT0425	4-1/4"	108mm	800	.315"
701846 **83994** 5	CGPBIT0450	4-1/2"	114mm	800	.315"
701846 **83995** 2	CGPBIT0500	5"	127mm	800	.315"
701846 **83996** 9	CGPBIT0600	6"	152mm	665	.315"
701846 **83997** 6	CGPBIT0700	7"	178mm	600	.315"
701846 **83998** 3	CGPBIT0800	8"	203mm	500	.315"
701846 **83999** 0	CGPBIT1000	10"	254mm	400	.315"
701846 **84000** 2	CGPBIT1200	12"	305mm	330	.315"
701846 **84001** 9	CGPBIT1400	14"	356mm	285	.315"

Asphalt and Abrasive Materials

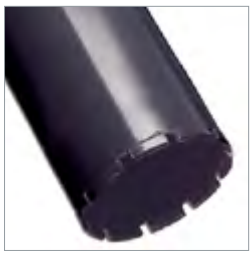


Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET

CHARGER

Long life bit segments for drilling abrasive materials. Excellent drilling speed and life in asphalt and other abrasive materials



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **84149** 8	CGABIT0200	2"	51mm	2,000	.315"
701846 **84150** 4	CGABIT0300	3"	76mm	1,300	.315"
701846 **84151** 1	CGABIT0400	4"	102mm	1,000	.315"
701846 **84152** 8	CGABIT0500	5"	127mm	800	.315"
701846 **84153** 5	CGABIT0600	6"	152mm	665	.315"

General Purpose and Masonry Building Materials

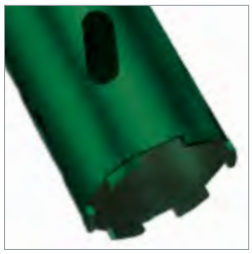


Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY

CHARGER

Dry drilling core bits for use on portable drilling equipment. Best suited for applications in soft, non-reinforced cured concrete and concrete block.



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **83300** 4	CGDBIT0100	1"	25mm	4,000	.276"
701846 **83301** 1	CGDBIT0125	1-1/4"	32mm	3,000	.276"
701846 **83302** 8	CGDBIT0150	1-1/2"	38mm	3,000	.276"
701846 **83303** 5	CGDBIT0175	1-3/4"	44mm	2,000	.276"
701846 **83304** 2	CGDBIT0200	2"	51mm	2,000	.276"
701846 **83305** 9	CGDBIT0250	2-1/2"	64mm	1,300	.276"
701846 **83306** 6	CGDBIT0300	3"	76mm	1,300	.276"
701846 **83307** 3	CGDBIT0350	3-1/2"	89mm	1,000	.276"
701846 **83308** 0	CGDBIT0400	4"	102mm	1,000	.276"
701846 **83309** 7	CGDBIT0450	4-1/2"	114mm	1,000	.276"
701846 **83310** 3	CGDBIT0500	5"	127mm	800	.276"
701846 **83311** 0	CGDBIT0600	6"	152mm	665	.276"

NOTE:
- **BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"– 11 THREADS ADAPTERS.**
- **BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.**
- **ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.**
- **ALL DRY BITS COME WITH 5/8-11" THREAD ADAPTERS.**

o'tip core bit
RE-TIPPING

It is easy, efficient and cost effective. The revolutionary process of the O'Tip is the next evolution to re-tipping core bits. No more sending core tubes to an outside vendor. Now you can do it yourself and save on shipping costs and potential return delays. And, reduced tube inventory translates to less space needed to transport bits to the job site, as well as individual bit stock. The O'Tip provides excellent segment positioning, strength and performance for cost savings never achieved previously.

PATENT PENDING
SAINT-GOBAIN ABRASIVES



Adjustable Ring
Allows fitting of tube variances.



Solder Capillaries
Improves attachments.



Full Kit
Simple and convenient for efficient workflow.

O'Tipping is easy and can be performed right on the job site saving time, money and labor. With this innovative product, there are less tubes needed in inventory. Tubes are not cut when O'Tipping, extending the life of the tube. Cost savings are found in many areas from; less bit inventory, time in sending out tubes to be re-tipped, and inconsistent segment tipping. You control the quality and ensure better performance for ongoing productivity and best results.



Step One

Leaving the bit mounted, apply heat over a small section of the worn O'Tip. Pull with pliers to quickly remove O'Tip in small pieces.



Step Two

Clean the tube with an angle grinder, apply brazing flux.



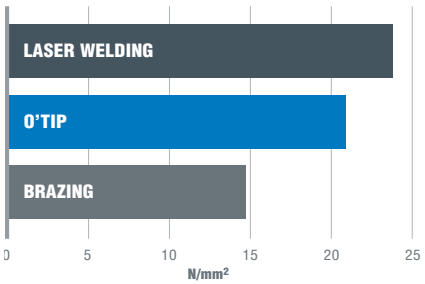
NOTE: *Always follow safe operating procedures*

Step Three

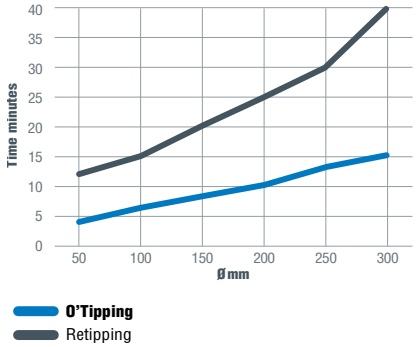
Dismount the tube and place it vertically on the new O'Tip. Apply heat to the steel ring, over a 3" section surrounding the capillary holes. Place the brazing rod through the capillary holes, silver solder will spread by capillary effect. Start with the cut section of the steel ring, and repeat for each hole.



Segment torque resistance to breakage in N/mm²



Time saving between re-tipping and O'Tipping



O'TIP		
UPC	**DESCRIPTION**	**QTY**
701846 **43157** 6	O'Tip 2 inch	1
701846 **43158** 3	O'Tip 3 inch	1
701846 **43159** 0	O'Tip 4 inch	1
701846 **43160** 6	O'Tip 5 inch	1
701846 **43161** 3	O'Tip 6 inch	1

O'TIP KIT		
UPC	**DESCRIPTION**	**QTY**
701846 **43162** 0	O'Tip 2 inch	3
701846 **43163** 7	O'Tip 3 inch	3
701846 **43164** 4	O'Tip 4 inch	3
701846 **43165** 1	O'Tip 5 inch	3
701846 **43166** 8	O'Tip 6 inch	3



Smart Electronics Protection
No over-heating of electrical components.



Water Attachment and Accessories
1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Rugged Carrying Case
Protects unit and accessories from damage.



A light-weight and user-friendly core drill. With its "Smart Electronics" motor protection from Cardi means no overheating of electrical parts. The powerful 15 amp motor drives core bits up to 4" with ease. The HHDET1800 hand-held core drill has a single-speed gear box and mechanical safety clutch. Packaged in a rugged carrying case to protect the drill during transport.

TECHNICAL SPECIFICATIONS	HHDET1800
Product Number	701846 **84243** 3
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a
Accessories	
Portable Stand CD100	003100 **07829** 0
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



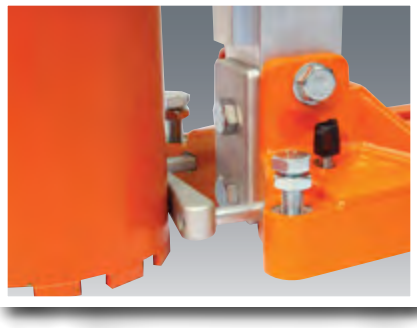
Recommended Core Bit
Charger
See page 99



Single-Speed, 15 Amp
Smart Electronics allow bits to spin with ease.

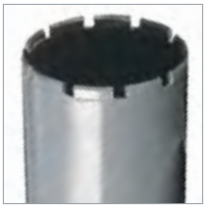


Sturdy All-Metal Carriage
Equipped with a side level and hand-held rig adaptor ensures smooth operation.



Wide Base Platform
A bit guide allows straighter drilling.



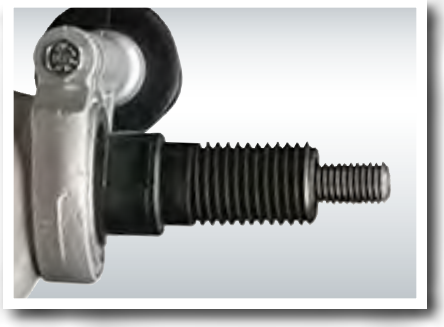


Recommended Core Bit
Charger
See page 98

This rig package provides the rental market with a strong, stable-performing hand-held core drill and sturdy rig stand. The single-speed drill features "Smart Electronics" motor protection and safety clutch for safe operation, which means no overheating of electrical parts. Geared at 940 RPMs, there is plenty of power to easily spin a 4" bit by hand and a 6" with the stand. When you need a core drill that can cover the basics but also maximize your return on investment, the HDR600C is a great solution.

TECHNICAL SPECIFICATIONS	HDR600C
Product Number	701846 **44020** 2
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a
Accessories	
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



1-1/4" – 7 Spindle with 5/8-11 Threaded Adaptor
Allows additional bit types to be used.



Heavy-Duty Carrying Case
Light-weight, high-impact plastic that protects drill during transportation.



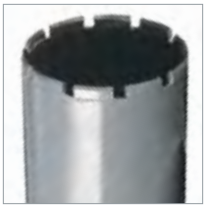
Optional Stand
Provides additional drilling flexibility with its sturdy column and carriage for smooth drilling.



Weighing only 13 pounds, the HHDETOL is a Norton Clipper hand-held core drill with a 15 amp motor. The "Smart Electronic" system protects it from system overload. This unit comes with a durable plastic carrying case, safety clutch, 5/8-11 threaded adapter and 1-1/4-7 threaded spindle. Ideal for electricians, plumbers and the professional contractor.

TECHNICAL SPECIFICATIONS	HHDETOL
Product Number	701846 **00917** 1
Gears	2
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	1,180/2,150
Smart Electronics	YES
Weight Crated – lbs. (kg)	19 (8.6)
Weight Uncrated – lbs. (kg)	13 (5.9)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	1/2" to 2" (12 to 50)
Accessories	
Portable Stand CD100	003100 **07829** 0
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



Recommended Core Bit
Charger
See page 97



Water Attachment and Accessories
1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Storage Space Saver
Provides room for side handle, manual, and extra tools in a compact and convenient case.



Heavy-Duty Carrying Case
Light-weight, high-impact plastic protects drill during transportation.



The HHD3TOL hand-held core drill is perfect for professional or heavy rental user, providing all the power needed for most any drilling job. Having speeds from 770 to 2,580 rpm allows the use of 1" up to 6" diamond core bits. The Cardi "Smart Electronics" adds protection by not overheating electrical parts. With the comfortable rear handle, and three-speed variability, operator comfort is improved, and productivity enhanced.

TECHNICAL SPECIFICATIONS	HHD3TOL
Product Number	701846 **21725** 5
Gears	3
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 (18) Amps
RPM	770/1,860/2,580
Smart Electronics	YES
Weight Crated	27 (12.2)
Weight Uncrated	17 (7.3)
Recommended Bit Sizes	
Low – in. (mm) 2" to 4" (50 to 102)	4" to 6" (100 to 150)
Medium - in. (mm)	2" to 3" (50 to 75)
High – in. (mm) 1/2" to 2" (12 to 50)	1" to 2" (25 to 50)
Accessories	
Portable Stand CD100	003100 **07829** 0
Centering Aid for CARDI	701846 **23517** 4
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

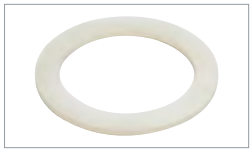
***= DATA PROVIDED BY MOTOR MANUFACTURER**



Recommended Core Bit
Norton X3
See page 97

ACCESSORIES FOR CORE DRILLING

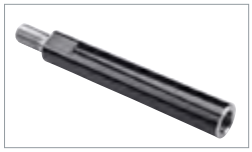
UPC	PART #	DESCRIPTION
701846 **69858** 0	Y1017	Nylon Washer



UPC	PART #	DESCRIPTION	SIZE
701846 **65995** 6	402760	Extension	6" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **48793** 1	402758	Extension	6" x 5/8" 11 Thread



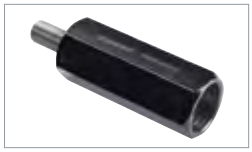
UPC	PART #	DESCRIPTION	SIZE
701846 **48791** 7	402756	Extension	12" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **48792** 4	402757	Extension	12" x 5/8" 11 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **49430** 4	400148	Coupling	1-1/4" – 7(F) – 5/8" – 11(M)



UPC	PART #	DESCRIPTION	SIZE
701846 **49797** 8	400147	Coupling	5/8" – 11(F) – 1 1/4" – 7(M)



UPC	PART #	DESCRIPTION	SIZE
701846 **83078** 2	4913	Drill Chuck Adapter	5/8" 11 thread to straight 1/2" shank



NOTE:
- **BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"– 11 THREADS ADAPTERS.**
- **BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.**
- **ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.**
- **ALL DRY BITS COME WITH 5/8-11" THREAD ADAPTERS.**

ACCESSORIES FOR CORE DRILLING (CONTINUED)

UPC	DESCRIPTION
003100 **07829** 0	Portable Stand CD100



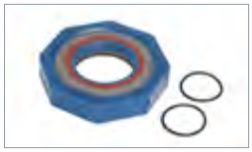
UPC	DESCRIPTION
701846 **23517** 4	Centering Aid for Cardi



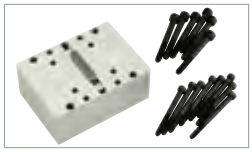
UPC	DESCRIPTION
701846 **79912** 6	Vacuum Pump for CD100



UPC	DESCRIPTION
701846 **00938** 6	Core Bit Quick Release Attachment



UPC	DESCRIPTION
701846 **00927** 0	Spacer Block



UPC	DESCRIPTION
701846 **58498** 2	Water Collector Ring



UPC	DESCRIPTION
701846 **00983** 6	Vacuum Base Gasket - DS5/DS6



PRODUCT FEATURES



Vacuum Pump
Superior stabilization.



Wheel Attachment
Ease of transporting around job site.



Ceiling Jack
Extending ceiling jack for indoor drilling.



DR520



DR620C

The Norton Clipper DR series of core drills offer a versatile drill rig with exceptional utility to meet the tough demands of today's rental and contractor industry. The basic design of the carriage and pinion assembly provides a simple trouble-free system to extend service life in the rental fleet. The DR620 drill rig stand offers the additional utility of a pivoting column for drilling vertically on a sloping surface.

TECHNICAL SPECIFICATIONS	DR520	DR620	DR620C
Product Number	701846 **00924** 9	701846 **00925** 6	701846 **00926** 3
Gears	2	2	2
Motor Type	Milwaukee	Milwaukee	Cardi
Motor Specification	4096	4096	D3-250-EL
Voltage	115 volts	115 volts	115 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1
Amperage	20 Amp	20 Amp	25 Amp
RPM	450/900	450/900	450/900
Spindle Thread Size	1-1/4"-7 UNC	1-1/4"-7 UNC	1-1/4"-7 UNC
Base – Combo – in. (mm) LxW	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)
Column Length – in. (mm)	42" (1,067)	40" (1,016)	40" (1,016)
Slide Carriage	One Piece Aluminum Carriage, Rack and Pinion, Carriage Lock, and Quick Detach Motor Mount Dove Tail		
Wheel Base (outside to outside) in. (mm)	15-1/2" (394)	15-1/2" (394)	15-1/2" (394)
Wheels (D x W x B) in. (mm)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)
Vacuum Pump	YES	YES	YES
Control Panel	YES	YES	YES
Weight Crated – lbs (kg)	140 (63.5)	140 (63.5)	135 (61.2)
Weight Uncrated – lbs (kg)	125 (56.7)	125 (56.7)	120 (54.4)
Recommended Bit Sizes			
Low in. (mm)	6" to 10" (152 to 254)	6" to 10" (152 to 254)	6" to 10" (152 to 305)
High in. (mm)	2" to 6" (50 to 152)	2" to 6" (50 to 152)	2" to 6" (50 to 152)
Drill Rig Stands			
DS5/DS6 Drill Rig Stand – Standard Base	701846 **00922** 5		
DS5/DS6 Drill Rig Stand – Pivoting Base	701846 **00923** 2		
DM5/DM6 Drill Motors			
15 amp Milwaukee	701846 **57976** 6		
20 amp Milwaukee	701846 **57985** 8		
20 amp Cardi	701846 **22228** 0		
Accessories			
Spacer Block	701846 **00927** 0		
4 Gallon Water Pressure Tank	701846 **75539** 9		
Water Collector Ring	701846 **58498** 2		
Core Bit Quick Release Attachment	701846 **00938** 6		
Vacuum Pump for CD100	701846 **79912** 6		

***= DATA PROVIDED BY ENGINE MANUFACTURER**



CORE BITS

Minimum and Maximum Recommended Operating Speeds

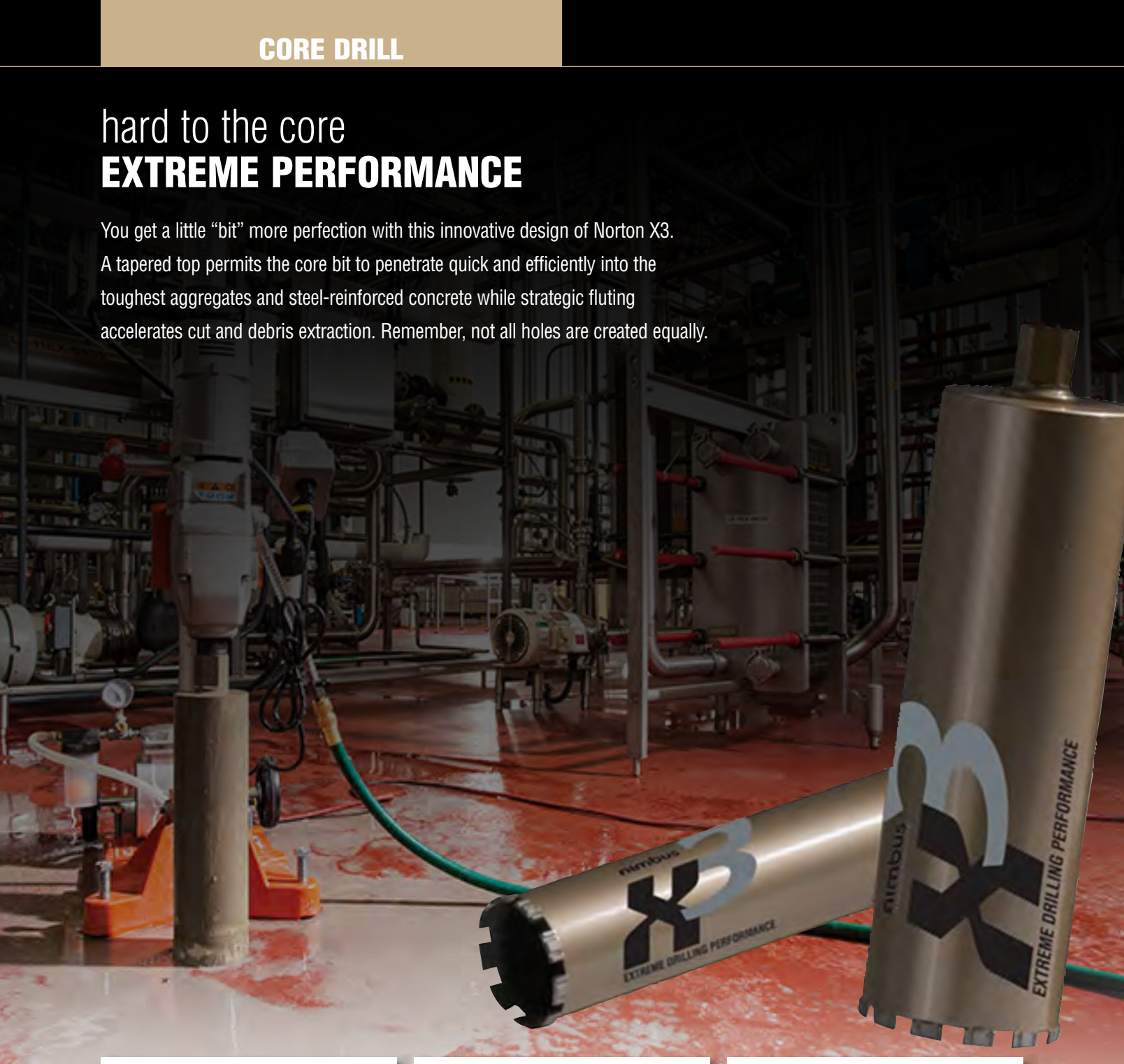
BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
26"	90	125	150
30"	80	105	130
32"	75	100	125
34"	70	95	120
36"	65	85	110
40"	60	80	100
42"	55	75	95

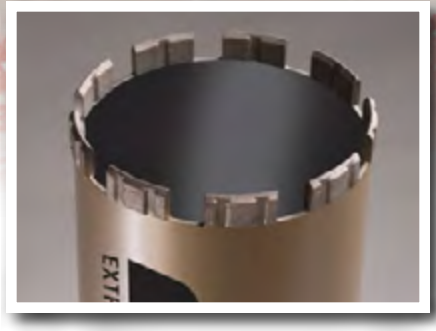




hard to the core
EXTREME PERFORMANCE

You get a little “bit” more perfection with this innovative design of Norton X3. A tapered top permits the core bit to penetrate quick and efficiently into the toughest aggregates and steel-reinforced concrete while strategic fluting accelerates cut and debris extraction. Remember, not all holes are created equally.

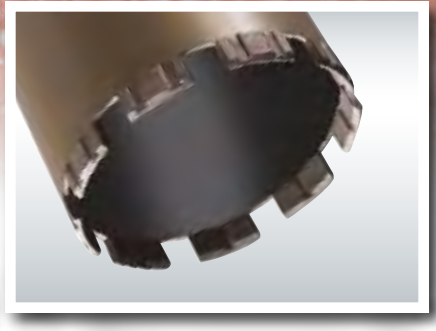




Strong Cores
Each tube is laser-welded to withstand demanding applications.



Tapered Segment
Turbo type design allows faster penetration.



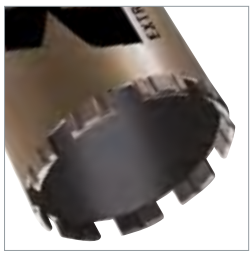
Large Segment Height
Extends product life.

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET

X3



Unique segment geometry provides quicker penetration with exceptional cutting speed in critically hard materials using standard speed, core drill equipment.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **42289** 5	X3 2" Laser Welded	2"	51mm	2000	.393"
701846 **42290** 1	X3 2-1/2" Laser Welded	2-1/2"	64mm	1300	.393"
701846 **42291** 8	X3 3" Laser Welded	3"	76mm	1300	.393"
701846 **42292** 5	X3 3-1/2" Laser Welded	3-1/2"	89mm	1300	.393"
701846 **42293** 2	X3 4" Laser Welded	4"	102mm	1000	.393"
701846 **42294** 9	X3 4-1/2" Laser Welded	4-1/2"	114mm	800	.393"
701846 **42295** 6	X3 5" Laser Welded	5"	127mm	800	.393"
701846 **42296** 3	X3 6" Laser Welded	6"	152mm	665	.393"
701846 **42297** 0	X3 7" Laser Welded	7"	178mm	600	.393"
701846 **42298** 7	X3 8" Laser Welded	8"	203mm	500	.393"
701846 **82813** 0	X3 10" Laser Welded	10"	254mm	400	.393"
701846 **43720** 2	X3 12" Laser Welded	12"	305mm	330	.393"
701846 **42721** 9	X3 14" Laser Welded	14"	356mm	285	.393"

CHARGER



Laser welded segments for faster penetration in medium aggregate with reinforcement and maximum utilization of segment life.

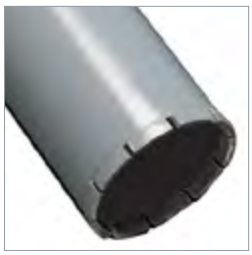
UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **82778** 2	CGBIT0100	1"	25mm	4,000	.315"
701846 **82779** 9	CGBIT0125	1-1/4"	32mm	3,000	.315"
701846 **82780** 5	CGBIT0150	1-1/2"	38mm	3,000	.315"
701846 **82781** 2	CGBIT0175	1-3/4"	44mm	2,000	.315"
701846 **82782** 9	CGBIT0200	2"	51mm	2,000	.315"
701846 **82783** 6	CGBIT0225	2-1/4"	57mm	1,300	.315"
701846 **82784** 3	CGBIT0250	2-1/2"	64mm	1,300	.315"
701846 **82785** 0	CGBIT0300	3"	76mm	1,300	.315"
701846 **82786** 7	CGBIT0350	3-1/2"	89mm	1,000	.315"
701846 **82787** 4	CGBIT0400	4"	102mm	1,000	.315"
701846 **82788** 1	CGBIT0425	4-1/4"	108mm	800	.315"
701846 **82789** 8	CGBIT0450	4-1/2"	114mm	800	.315"
701846 **82790** 4	CGBIT0500	5"	127mm	800	.315"
701846 **82791** 1	CGBIT0600	6"	152mm	665	.315"
701846 **82792** 8	CGBIT0700	7"	178mm	600	.315"
701846 **82793** 5	CGBIT0800	8"	203mm	500	.315"
701846 **82794** 2	CGBIT1000	10"	254mm	400	.315"
701846 **82795** 9	CGBIT1200	12"	305mm	330	.315"
701846 **82796** 6	CGBIT1400	14"	356mm	285	.315"

Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET

NORTON CLASSIC



Economical choice for use in harder concrete with heavy reinforcement and masonry materials with good performance.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **84447** 5	CHBIT0100	1"	25mm	4,000	.254"
701846 **84448** 2	CHBIT0150	1-1/2"	38mm	3,000	.254"
701846 **82762** 1	CHBIT0200	2"	51mm	2,000	.254"
701846 **82763** 8	CHBIT0225	2-1/4"	57mm	2,000	.254"
701846 **82764** 5	CHBIT0250	2-1/2"	64mm	1,300	.254"
701846 **82765** 2	CHBIT0300	3"	76mm	1,300	.254"
701846 **82766** 9	CHBIT0350	3-1/2"	89mm	1,300	.254"
701846 **82767** 6	CHBIT0400	4"	102mm	1,000	.254"
701846 **82768** 3	CHBIT0425	4-1/4"	108mm	1,000	.254"
701846 **82769** 0	CHBIT0450	4-1/2"	114mm	800	.254"
701846 **82770** 6	CHBIT0500	5"	127mm	800	.254"
701846 **82771** 3	CHBIT0600	6"	152mm	665	.254"
701846 **82772** 0	CHBIT0700	7"	178mm	600	.254"
701846 **82773** 7	CHBIT0800	8"	203mm	500	.254"
701846 **82774** 4	CHBIT1000	10"	254mm	400	.254"
701846 **82775** 1	CHBIT1200	12"	305mm	330	.254"
701846 **82776** 8	CHBIT1400	14"	356mm	285	.254"

WET - *PRESTRESSED CONCRETE*

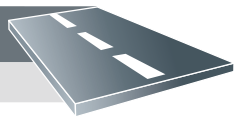
CHARGER



Fast drilling segments spaced to prevent segment loss when penetrating tensioned steel cable.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **83983** 9	CGPBIT0100	1"	25mm	4,000	.315"
701846 **83984** 6	CGPBIT0125	1-1/4"	32mm	3,000	.315"
701846 **83985** 3	CGPBIT0150	1-1/2"	38mm	3,000	.315"
701846 **83986** 0	CGPBIT0175	1-3/4"	44mm	2,000	.315"
701846 **83987** 7	CGPBIT0200	2"	51mm	2,000	.315"
701846 **83988** 4	CGPBIT0225	2-1/4"	57mm	1,300	.315"
701846 **83989** 1	CGPBIT0250	2-1/2"	64mm	1,300	.315"
701846 **83990** 7	CGPBIT0300	3"	76mm	1,300	.315"
701846 **83991** 4	CGPBIT0350	3-1/2"	89mm	1,000	.315"
701846 **83992** 1	CGPBIT0400	4"	102mm	1,000	.315"
701846 **83993** 8	CGPBIT0425	4-1/4"	108mm	800	.315"
701846 **83994** 5	CGPBIT0450	4-1/2"	114mm	800	.315"
701846 **83995** 2	CGPBIT0500	5"	127mm	800	.315"
701846 **83996** 9	CGPBIT0600	6"	152mm	665	.315"
701846 **83997** 6	CGPBIT0700	7"	178mm	600	.315"
701846 **83998** 3	CGPBIT0800	8"	203mm	500	.315"
701846 **83999** 0	CGPBIT1000	10"	254mm	400	.315"
701846 **84000** 2	CGPBIT1200	12"	305mm	330	.315"
701846 **84001** 9	CGPBIT1400	14"	356mm	285	.315"

Asphalt and Abrasive Materials

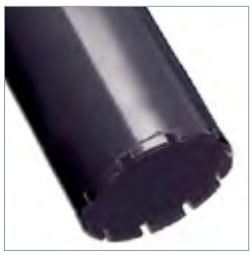


Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET

CHARGER

Long life bit segments for drilling abrasive materials. Excellent drilling speed and life in asphalt and other abrasive materials



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **84149** 8	CGABIT0200	2"	51mm	2,000	.315"
701846 **84150** 4	CGABIT0300	3"	76mm	1,300	.315"
701846 **84151** 1	CGABIT0400	4"	102mm	1,000	.315"
701846 **84152** 8	CGABIT0500	5"	127mm	800	.315"
701846 **84153** 5	CGABIT0600	6"	152mm	665	.315"

General Purpose and Masonry Building Materials

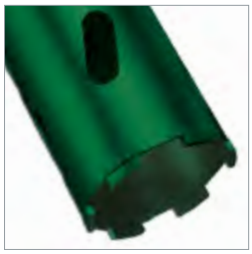


Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY

CHARGER

Dry drilling core bits for use on portable drilling equipment. Best suited for applications in soft, non-reinforced cured concrete and concrete block.



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 **83300** 4	CGDBIT0100	1"	25mm	4,000	.276"
701846 **83301** 1	CGDBIT0125	1-1/4"	32mm	3,000	.276"
701846 **83302** 8	CGDBIT0150	1-1/2"	38mm	3,000	.276"
701846 **83303** 5	CGDBIT0175	1-3/4"	44mm	2,000	.276"
701846 **83304** 2	CGDBIT0200	2"	51mm	2,000	.276"
701846 **83305** 9	CGDBIT0250	2-1/2"	64mm	1,300	.276"
701846 **83306** 6	CGDBIT0300	3"	76mm	1,300	.276"
701846 **83307** 3	CGDBIT0350	3-1/2"	89mm	1,000	.276"
701846 **83308** 0	CGDBIT0400	4"	102mm	1,000	.276"
701846 **83309** 7	CGDBIT0450	4-1/2"	114mm	1,000	.276"
701846 **83310** 3	CGDBIT0500	5"	127mm	800	.276"
701846 **83311** 0	CGDBIT0600	6"	152mm	665	.276"

NOTE:
- **BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"– 11 THREADS ADAPTERS.**
- **BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.**
- **ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.**
- **ALL DRY BITS COME WITH 5/8-11" THREAD ADAPTERS.**

o'tip core bit
RE-TIPPING

It is easy, efficient and cost effective. The revolutionary process of the O'Tip is the next evolution to re-tipping core bits. No more sending core tubes to an outside vendor. Now you can do it yourself and save on shipping costs and potential return delays. And, reduced tube inventory translates to less space needed to transport bits to the job site, as well as individual bit stock. The O'Tip provides excellent segment positioning, strength and performance for cost savings never achieved previously.

PATENT PENDING
SAINT-GOBAIN ABRASIVES



Adjustable Ring
Allows fitting of tube variances.



Solder Capillaries
Improves attachments.



Full Kit
Simple and convenient for efficient workflow.

O'Tipping is easy and can be performed right on the job site saving time, money and labor. With this innovative product, there are less tubes needed in inventory. Tubes are not cut when O'Tipping, extending the life of the tube. Cost savings are found in many areas from; less bit inventory, time in sending out tubes to be re-tipped, and inconsistent segment tipping. You control the quality and ensure better performance for ongoing productivity and best results.



Step One

Leaving the bit mounted, apply heat over a small section of the worn O'Tip. Pull with pliers to quickly remove O'Tip in small pieces.



Step Two

Clean the tube with an angle grinder, apply brazing flux.



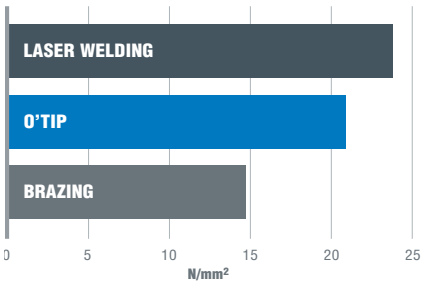
NOTE: *Always follow safe operating procedures*

Step Three

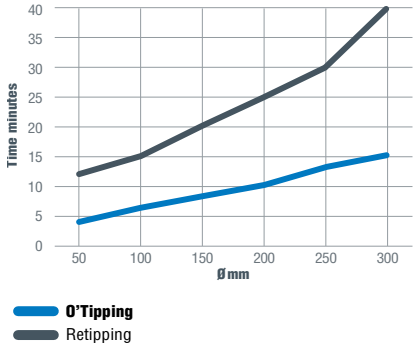
Dismount the tube and place it vertically on the new O'Tip. Apply heat to the steel ring, over a 3" section surrounding the capillary holes. Place the brazing rod through the capillary holes, silver solder will spread by capillary effect. Start with the cut section of the steel ring, and repeat for each hole.



Segment torque resistance to breakage in N/mm²



Time saving between re-tipping and O'Tipping



O'TIP		
UPC	**DESCRIPTION**	**QTY**
701846 **43157** 6	O'Tip 2 inch	1
701846 **43158** 3	O'Tip 3 inch	1
701846 **43159** 0	O'Tip 4 inch	1
701846 **43160** 6	O'Tip 5 inch	1
701846 **43161** 3	O'Tip 6 inch	1

O'TIP KIT		
UPC	**DESCRIPTION**	**QTY**
701846 **43162** 0	O'Tip 2 inch	3
701846 **43163** 7	O'Tip 3 inch	3
701846 **43164** 4	O'Tip 4 inch	3
701846 **43165** 1	O'Tip 5 inch	3
701846 **43166** 8	O'Tip 6 inch	3

PRODUCT FEATURES



Vacuum Pump
Superior stabilization.



Wheel Attachment
Ease of transporting around job site.



Ceiling Jack
Extending ceiling jack for indoor drilling.



DR520



DR620C

The Norton Clipper DR series of core drills offer a versatile drill rig with exceptional utility to meet the tough demands of today's rental and contractor industry. The basic design of the carriage and pinion assembly provides a simple trouble-free system to extend service life in the rental fleet. The DR620 drill rig stand offers the additional utility of a pivoting column for drilling vertically on a sloping surface.

TECHNICAL SPECIFICATIONS	DR520	DR620	DR620C
Product Number	701846 **00924** 9	701846 **00925** 6	701846 **00926** 3
Gears	2	2	2
Motor Type	Milwaukee	Milwaukee	Cardi
Motor Specification	4096	4096	D3-250-EL
Voltage	115 volts	115 volts	115 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1
Amperage	20 Amp	20 Amp	25 Amp
RPM	450/900	450/900	450/900
Spindle Thread Size	1-1/4"-7 UNC	1-1/4"-7 UNC	1-1/4"-7 UNC
Base – Combo – in. (mm) LxW	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)
Column Length – in. (mm)	42" (1,067)	40" (1,016)	40" (1,016)
Slide Carriage	One Piece Aluminum Carriage, Rack and Pinion, Carriage Lock, and Quick Detach Motor Mount Dove Tail		
Wheel Base (outside to outside) in. (mm)	15-1/2" (394)	15-1/2" (394)	15-1/2" (394)
Wheels (D x W x B) in. (mm)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)
Vacuum Pump	YES	YES	YES
Control Panel	YES	YES	YES
Weight Crated – lbs (kg)	140 (63.5)	140 (63.5)	135 (61.2)
Weight Uncrated – lbs (kg)	125 (56.7)	125 (56.7)	120 (54.4)
Recommended Bit Sizes			
Low in. (mm)	6" to 10" (152 to 254)	6" to 10" (152 to 254)	6" to 10" (152 to 305)
High in. (mm)	2" to 6" (50 to 152)	2" to 6" (50 to 152)	2" to 6" (50 to 152)
Drill Rig Stands			
DS5/DS6 Drill Rig Stand – Standard Base	701846 **00922** 5		
DS5/DS6 Drill Rig Stand – Pivoting Base	701846 **00923** 2		
DM5/DM6 Drill Motors			
15 amp Milwaukee	701846 **57976** 6		
20 amp Milwaukee	701846 **57985** 8		
20 amp Cardi	701846 **22228** 0		
Accessories			
Spacer Block	701846 **00927** 0		
4 Gallon Water Pressure Tank	701846 **75539** 9		
Water Collector Ring	701846 **58498** 2		
Core Bit Quick Release Attachment	701846 **00938** 6		
Vacuum Pump for CD100	701846 **79912** 6		

***= DATA PROVIDED BY ENGINE MANUFACTURER**



CORE BITS

Minimum and Maximum Recommended Operating Speeds

BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
26"	90	125	150
30"	80	105	130
32"	75	100	125
34"	70	95	120
36"	65	85	110
40"	60	80	100
42"	55	75	95



Smart Electronics Protection
No over-heating of electrical components.



Water Attachment and Accessories
1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Rugged Carrying Case
Protects unit and accessories from damage.



A light-weight and user-friendly core drill. With its "Smart Electronics" motor protection from Cardi means no overheating of electrical parts. The powerful 15 amp motor drives core bits up to 4" with ease. The HHDET1800 hand-held core drill has a single-speed gear box and mechanical safety clutch. Packaged in a rugged carrying case to protect the drill during transport.

TECHNICAL SPECIFICATIONS	HHDET1800
Product Number	701846 **84243** 3
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a
Accessories	
Portable Stand CD100	003100 **07829** 0
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



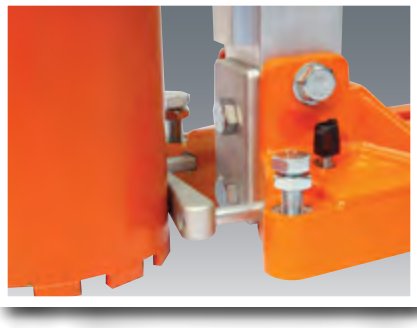
Recommended Core Bit
Charger
See page 99



Single-Speed, 15 Amp
Smart Electronics allow bits to spin with ease.

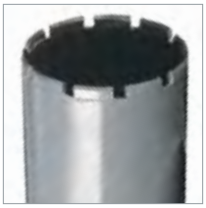


Sturdy All-Metal Carriage
Equipped with a side level and hand-held rig adaptor ensures smooth operation.



Wide Base Platform
A bit guide allows straighter drilling.



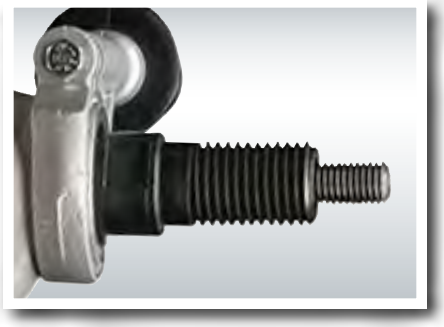


Recommended Core Bit
Charger
See page 98

This rig package provides the rental market with a strong, stable-performing hand-held core drill and sturdy rig stand. The single-speed drill features "Smart Electronics" motor protection and safety clutch for safe operation, which means no overheating of electrical parts. Geared at 940 RPMs, there is plenty of power to easily spin a 4" bit by hand and a 6" with the stand. When you need a core drill that can cover the basics but also maximize your return on investment, the HDR600C is a great solution.

TECHNICAL SPECIFICATIONS	HDR600C
Product Number	701846 **44020** 2
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a
Accessories	
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



1-1/4" – 7 Spindle with 5/8-11 Threaded Adaptor
Allows additional bit types to be used.



Heavy-Duty Carrying Case
Light-weight, high-impact plastic that protects drill during transportation.



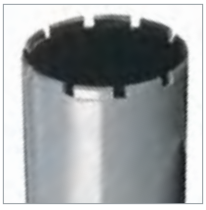
Optional Stand
Provides additional drilling flexibility with its sturdy column and carriage for smooth drilling.



Weighing only 13 pounds, the HHDETOL is a Norton Clipper hand-held core drill with a 15 amp motor. The "Smart Electronic" system protects it from system overload. This unit comes with a durable plastic carrying case, safety clutch, 5/8-11 threaded adapter and 1-1/4-7 threaded spindle. Ideal for electricians, plumbers and the professional contractor.

TECHNICAL SPECIFICATIONS	HHDETOL
Product Number	701846 **00917** 1
Gears	2
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	1,180/2,150
Smart Electronics	YES
Weight Crated – lbs. (kg)	19 (8.6)
Weight Uncrated – lbs. (kg)	13 (5.9)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	1/2" to 2" (12 to 50)
Accessories	
Portable Stand CD100	003100 **07829** 0
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

***= DATA PROVIDED BY MOTOR MANUFACTURER**



Recommended Core Bit
Charger
See page 97



Water Attachment and Accessories
1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Storage Space Saver
Provides room for side handle, manual, and extra tools in a compact and convenient case.



Heavy-Duty Carrying Case
Light-weight, high-impact plastic protects drill during transportation.



The HHD3TOL hand-held core drill is perfect for professional or heavy rental user, providing all the power needed for most any drilling job. Having speeds from 770 to 2,580 rpm allows the use of 1" up to 6" diamond core bits. The Cardi "Smart Electronics" adds protection by not overheating electrical parts. With the comfortable rear handle, and three-speed variability, operator comfort is improved, and productivity enhanced.

TECHNICAL SPECIFICATIONS	HHD3TOL
Product Number	701846 **21725** 5
Gears	3
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 (18) Amps
RPM	770/1,860/2,580
Smart Electronics	YES
Weight Crated	27 (12.2)
Weight Uncrated	17 (7.3)
Recommended Bit Sizes	
Low – in. (mm) 2" to 4" (50 to 102)	4" to 6" (100 to 150)
Medium - in. (mm)	2" to 3" (50 to 75)
High – in. (mm) 1/2" to 2" (12 to 50)	1" to 2" (25 to 50)
Accessories	
Portable Stand CD100	003100 **07829** 0
Centering Aid for CARDI	701846 **23517** 4
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

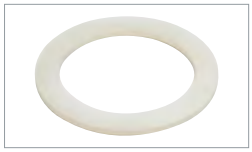
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Recommended Core Bit
Norton X3
See page 97

ACCESSORIES FOR CORE DRILLING

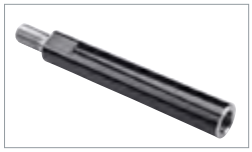
UPC	PART #	DESCRIPTION
701846 **69858** 0	Y1017	Nylon Washer



UPC	PART #	DESCRIPTION	SIZE
701846 **65995** 6	402760	Extension	6" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **48793** 1	402758	Extension	6" x 5/8" 11 Thread



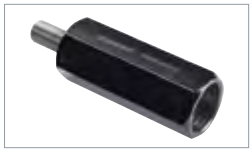
UPC	PART #	DESCRIPTION	SIZE
701846 **48791** 7	402756	Extension	12" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **48792** 4	402757	Extension	12" x 5/8" 11 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 **49430** 4	400148	Coupling	1-1/4" – 7(F) – 5/8" – 11(M)



UPC	PART #	DESCRIPTION	SIZE
701846 **49797** 8	400147	Coupling	5/8" – 11(F) – 1 1/4" – 7(M)



UPC	PART #	DESCRIPTION	SIZE
701846 **83078** 2	4913	Drill Chuck Adapter	5/8" 11 thread to straight 1/2" shank



NOTE:
- **BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"– 11 THREADS ADAPTERS.**
- **BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.**
- **ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.**
- **ALL DRY BITS COME WITH 5/8-11" THREAD ADAPTERS.**

ACCESSORIES FOR CORE DRILLING (CONTINUED)

UPC	DESCRIPTION
003100 **07829** 0	Portable Stand CD100



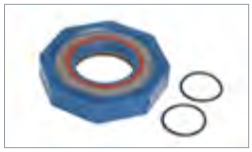
UPC	DESCRIPTION
701846 **23517** 4	Centering Aid for Cardi



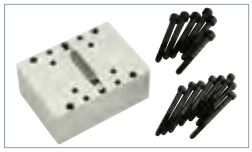
UPC	DESCRIPTION
701846 **79912** 6	Vacuum Pump for CD100



UPC	DESCRIPTION
701846 **00938** 6	Core Bit Quick Release Attachment



UPC	DESCRIPTION
701846 **00927** 0	Spacer Block



UPC	DESCRIPTION
701846 **58498** 2	Water Collector Ring



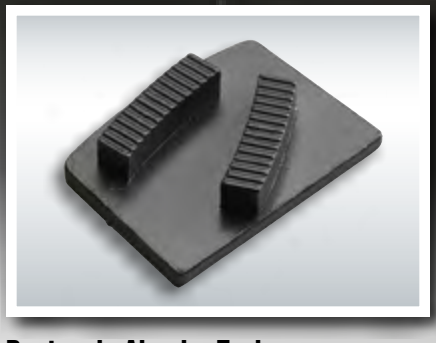
UPC	DESCRIPTION
701846 **00983** 6	Vacuum Base Gasket - DS5/DS6



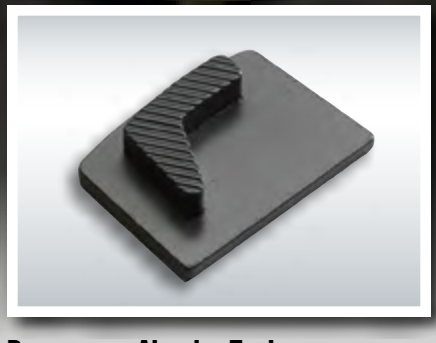
pull up a shine
DURING THE DAILY GRIND

Get the finest polished surface possible by starting with the Norton Abrader series of grinding tools. Three configurations improve and optimize machine pressure for the best tool to surface contact. Serrated surfaces quicken entry and a full grit range ensures stock removal control without gouging for a true reflection of your hard work.

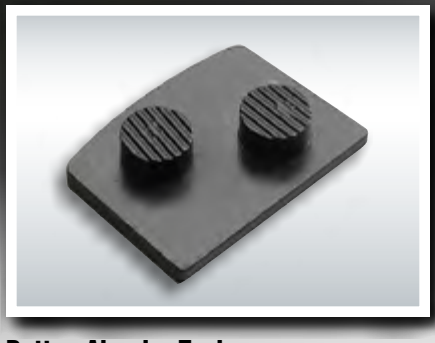




Rectangle Abrader Tool
Designed for very hard aggregate such as flint, granite and chert and/or have a very high PSI rating.



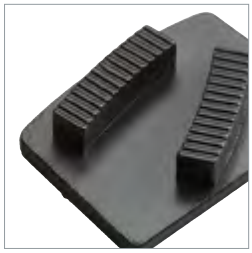
Boomerang Abrader Tool
Ideal for medium hardness floors. Excels in a wide range of surfaces such as granite, quartzite, river gravel and more.



Button Abrader Tool
The hardest of segment created to remove stock and level floors quickly.

ABRADER METAL-BONDED DIAMOND TOOLS

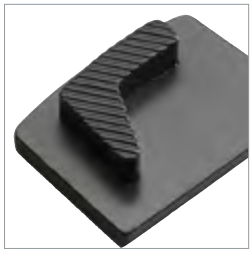
RECTANGLE ABRADER TOOL



The rectangle shaped segments are the softest bond and are designed for very hard concrete. The ridged shape of the rectangle improve grinding capabilities and ensure fast stock removal. Suggested for surfaces with a large percentage of chert, flint, gabbro and other hard materials.

UPC	PART #	GRIT / COLOR	QTY
701846 **45492** 6	FGW 3-Pack Hardfloor QCS	18/20 Silver	3
701846 **43705** 9	FGW 3-Pack Hardfloor QCS	30/40 Grey	3
701846 **43706** 6	FGW 3-Pack Hardfloor QCS	60/80 Brown	3
701846 **43707** 3	FGW 3-Pack Hardfloor QCS	120/150 Black	3

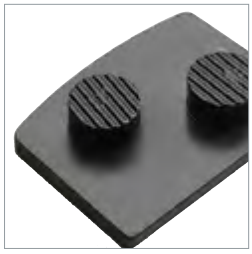
BOOMERANG ABRADER TOOL



The boomerang shaped segments are designed for medium hardness floors. The shape and specification are considered universal due to its versatility on a wide range of surfaces especially on granite, quartzite and river gravel to name a few. Having a boomerang shape allows the segment to cut quickly while removing swarf away from the segment to ensure a continuous cutting action.

UPC	PART #	GRIT / COLOR	QTY
701846 **45494** 0	FGW 3-Pack Universal QCS	18/20 Silver	3
701846 **43708** 8	FGW 3-Pack Universal QCS	30/40 Grey	3
701846 **43709** 7	FGW 3-Pack Universal QCS	60/80 Brown	3
701846 **43710** 3	FGW 3-Pack Universal QCS	120/150 Black	3

BUTTON ABRADER TOOL



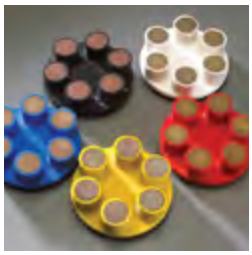
The hardest of segments, the Abrader button segment is designed to remove stock and level abrasive floors quickly and extends life in very abrasive concrete. A full circular shape provides a smooth entry into the surface. It protects the floor from being gouged unlike other stock removing bits with sharp edges. Thus allowing you to get the work done faster with a minimum of surface removal leaving a smooth level floor to be polished.

UPC	PART #	GRIT / COLOR	QTY
701846 **45493** 3	FGW 3-Pack Softfloor QCS	18/20 Silver	3
701846 **42896** 5	FGW 3-Pack Softfloor QCS	30/40 Grey	3
701846 **42897** 2	FGW 3-Pack Softfloor QCS	60/80 Brown	3
701846 **42898** 9	FGW 3-Pack Softfloor QCS	120/150 Black	3

GRIT / COLOR	APPLICATION
18/20 Silver	Aggressive diamond tool for heavy stock removal and/or cure and seal coatings.
30/40 Grey	Coating removal of 0.5-10 mm. Generally first stage tool for polishing a rough concrete slab.
60/80 Brown	Initial polishing tool for new concrete. Will prepare surface for acid staining or thin sealants.
120/150 Black	The final grit prior to changing to resin polishing tools or where a smooth open concrete surface is required.

RESIN BONDED DIAMOND TOOLS

6 DOT RESIN BONDED DIAMOND TOOLS



The 6 Dot Resin bonded diamond tools are our standard offering for concrete polishing. Offered in 100 – 1500 grit these tools will provide a superior finish and long life. The 6 Dot are also very good for harder aggregates with the unit pressure of the tools polish even the hardest floors.

UPC	PART #	GRIT / COLOR	QTY
701846 **28551** 3	28551	100 / Black	9
701846 **28552** 0	28552	200 / Blue	9
701846 **28553** 7	28553	400 / Red	9
701846 **28554** 4	28554	800 / White	9
701846 **28555** 1	28555	1500 / Yellow	9

GRIT / COLOR		APPLICATION
100 Grit (Black)	●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue)	●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red)	●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White)	○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow)	●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

T2 RESIN BONDED POLISHING TOOL



The mixed bond of the T2 range ensures a very fine scratch pattern profile in relation to a standard metal bond segment where the concrete or terrazzo surface is smooth trowelled or has already been leveled with a coarse metal bond tool. The T2 leaves the perfect surface for either closed matte finishing or polishing with the minimum number of stages.

UPC	PART #	GRIT / COLOR	QTY
701846 **28548** 3	28548	40 / Gray	9
701846 **28549** 0	28549	80 / Orange	9
701846 **28550** 6	28550	120 / Black	9

GRIT / COLOR		APPLICATION
40 Grit (Gray)	●	Initial polishing following coarse metal bond tool.
80 Grit (Orange)	●	Initial polishing following 40 grit metal bond tool or first cut on smooth concrete floor.
120 Grit (Black)	●	Initial polishing tool following 80 Grit metal bond tool or first cut on smooth concrete floor.

HIGH PERFORMANCE RESIN BONDED DIAMOND TOOLS



The High Performance Resin bonded tools offer superior gloss and product life. The unique all resin/diamond construction of the High Performance tooling allows you to polish at the highest speeds on the heaviest machines. You can polish faster with gloss results second to none.

UPC	PART #	GRIT / COLOR	QTY
701846 **28556** 8	28556	100 / Black	9
701846 **28557** 5	28557	200 / Blue	9
701846 **28558** 2	28558	400 / Red	9
701846 **28559** 9	28559	800 / White	9
701846 **28560** 5	28560	1500 / Yellow	9

GRIT / COLOR		APPLICATION
100 Grit (Black)	●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue)	●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red)	●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White)	○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow)	●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

PVC CONVERSION PLATE



The PVC conversion plate id designed to take either the 6 Dot or High Performance resin bonded tooling. With hook material on the back of the conversion plate it can be attached to any machine that uses a hook & loop system for applying resin bonded tools.

UPC	PART #	SIZE	QTY
701846 **29013** 5	29013	270 x 5mm	1

RESIN BOND INSERTS FOR USE WITH CONVERSION PLATES

UPC	PART #	DESCRIPTION	QTY
701846 **30931** 8	30931	For 6 Dot Resin & T2 Combination Tools	1
701846 **30930** 1	30930	For High Performance Resin Tools	1

SURFACE PREP TOOLS

CONVERSION PLATE



The unique metal bonded conversation plate is machined to hold Norton tooling without the use of screws or other mechanical devices. The arbor configuration fits many machine models on the market. The three mounting holes in the plate allow the plate to be mechanically fastened to the bottom of any machine. Other plates available to fit most machines on the market.

UPC	MACHINE	MODEL #'S	PLATE DIAMETER	QTY
701846 **28588** 9	HTC	2500ix, 1500 ixT, 950RX, 800HDX & 800HD	10-5/8"	9
701846 **30932** 5	HTC	650HDX, 500	8-5/8"	1
701846 **30342** 2	SASE	780	9"	1
701846 **28588** 9	CPS	G-320, G-250 & G-250XT	10-5/8"	1
701846 **30933** 2	Innovatech	P-3200	10-1/2"	1
701846 **30496** 2	Prepmaster	STI3030	14"	1

GRINDER HEADS



High quality diamond and bond combination designed for long life and fast cut. Ten segment grinder heads are ideal for fast surface removal, while the 20 segment head produces a smooth, fine surface.

UPC	PART #	DESCRIPTION	# OF SEG	QTY
701846 **49531** 8	30120018	For fast removal	10	1
701846 **49529** 5	30120026	For smooth finish	20	1

DIAMOND INSERTS



A 30 grit metal bonded diamond insert created to smooth trowel marks, grind concrete imperfections, removal of epoxy coatings or urethane and leveling high spots or sharp aggregates from surface in a wet or dry process. The unique diamond and bond specification increase performance by as much as five (5) times the life span of the standard grinding stones typically used in surface removal applications.

UPC	DESCRIPTION	GRIT	QTY
701846 **44956** 4	Diamond Insert, Rubber Backer, Plastic Wedges, Case	30	3

*** Diamond Inerts (3), Rubber Backer, Plastic Wedges, Case**

GRINDING STONES



Used to rub down concrete and remove mold marks. These are designed to fit the chucks of common concrete floor grinding equipment. Reusable wooden wedges anchor the stones to the equipment.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **53295** 0	YAGS2F	2" x 2" x 4"	Fine (80 Grit)	1
614636 **53294** 3	YAGS2M	2" x 2" x 4"	Medium (24 Grit)	1
614636 **53293** 6	YAGS2C	2" x 2" x 4"	Coarse (10 Grit)	1
614636 **53292** 9	YAGS2X	2" x 2" x 4"	Super Coarse (6 Grit)	1

Wood wedges are included with Grinding Stones

WOOD WEDGES



UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **85297** 3	YDDWEDGE	N/A	N/A	6

RUBBING BRICKS



Hard silicon carbide rubbing bricks and grinding stones are used for heavy-duty applications such as rubbing floors, cleaning and scouring castings, rubbing down concrete, and removing mold marks.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **87840** 9	RB87840N	6" x 2" 2"	No Handle	5
614636 **87800** 3	RBH87800N	6" x 3" x 1"	With Handle	5
614636 **87845** 4	RB87845N	8" x 2" x 2"	No Handle	5
614636 **87795** 2	RBH87795N	8" x 3-1/2" x 1-1/2"	With Handle	5

Wood wedges are included with Grinding Stones

FLOOR SANDING BELTS

Choose our 100% Norton Durite silicon carbide abrasive with tough X-weight cotton backing for quality cut and low initial cost. Or, try the Norton Blue Fire for improved cut rate, extended life and less loading than conventional sanding belts - utilizing the Norton patented zirconia alumina grain technology for the very best finish.



NORTON BLUEFIRE (R831 CLOTH)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
666233 **19968** 5	120	10	10
666233 **19969** 2	100	10	10
666233 **19970** 8	80	10	10
666233 **19971** 5	60	10	10
666233 **19972** 2	50	10	10
666233 **19973** 9	40	10	10
666233 **19975** 3	36	10	10
666233 **19974** 6	24	10	10



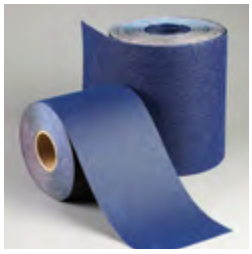
NORTON DURITE (R422 CLOTH)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
780727 **20780** 6	120	10	10
780727 **16000** 2	100	10	10
780727 **16001** 9	80	10	10
780727 **16002** 6	60	10	10
780727 **16003** 3	50	10	10
780727 **16004** 0	40	10	10
780727 **16005** 7	36	10	10
780727 **16006** 4	24	10	10
780727 **69536** 8	16	10	10
8" x 19" (CLARKE EZ-8)			
780727 **10307** 8	120	10	10
076607 **00726** 1	100	10	10
076607 **00727** 8	80	10	10
076607 **00728** 5	60	10	10
780727 **10308** 4	50	10	10
780727 **43002** 0	40	10	10
076607 **00729** 2	36	10	10
076607 **00730** 0	24	10	10
780727 **72102** 9 **FT**	16	10	10

FT = FASTTRACK ITEM

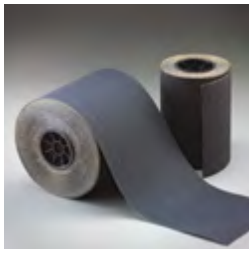


FLOOR SANDING ROLLS

For those who like to cut their own sizes/shapes, we offer two options. The Norton Blue Fire with its patented zirconia alumina grain improves cut rate, extends life and provides less loading than conventional sanding belts. Or, the industry standard Norton Durite silicon carbide abrasive paper for quality cut and low initial cost.



NORTON BLUEFIRE (H PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
8" x 50 YD			
666233 **74264** 5	120	1	1
666233 **74268** 3	100	1	1
666233 **74269** 0	80	1	1
666233 **74271** 3	60	1	1
666233 **74272** 0	50	1	1
666233 **74273** 7	40	1	1
666233 **74274** 4	36	1	1
666233 **74270** 6	24	1	1



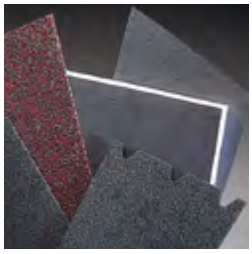
NORTON DURITE (H425, H422, S413 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
8" x 7-1/2" YD (270")			
662611 **23412** 2 **NS**	120	3	3
662611 **47150** 3	100	3	3
662611 **15629** 5	80	3	3
662611 **15600** 4	60	3	3
662611 **15628** 8	50	3	3
662611 **15627** 1	40	3	3
662611 **12748** 6	36	3	3
662611 **02431** 0	30	3	3
662611 **13270** 1	20	3	3
8" x 50 YD			
662611 **23444** 3	100	1	1
662611 **23446** 7	80	1	1
662611 **23445** 0	60	1	1
662611 **23785** 7	40	1	1
662611 **23786** 4 **NS**	36	1	1
662610 **38958** 8	24	1	1
662611 **23789** 5 **NS**	20	1	1
662611 **23788** 8 **NS**	16	1	1

NS = NON-STOCK



FLOOR SANDING SHEETS / COVERS

A wide array of choices from high productivity to low cost, floor sanding silicon carbide sheets and covers are pre-cut to meet manufacturers drum sander specs. Ideal for all phases of a small job.

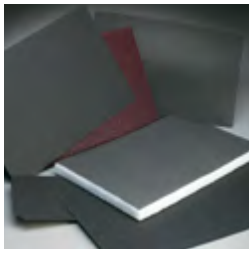


PAPER DRUM COVERS			
UPC	GRIT	MIN PKG	CASE
4-1/2" x 16-3/8" (FLORBOSS)			
662611 **31739** 9	100	10	50
662611 **31740** 5	80	10	50
662611 **31741** 2	60	10	50
662611 **31742** 9 NS	40	10	50
662611 **31743** 6	36	10	50
662611 **23811** 3	20	10	50
662611 **31745** 0 NS	16	10	50
699573 **48816** 4	12	10	50
8" x 17-1/2" (SILVERLINE SLV8)			
662611 **96420** 3	100	10	50
662611 **96442** 5	80	10	50
662611 **96421** 0	60	10	50
662611 **96422** 7	50	10	50
662611 **96424** 1	40	10	50
662611 **96425** 8	36	10	50
662611 **96426** 5	24	10	50
8" x 19-1/2" (CLARKE 8" MODEL DU-8, DU8R & D48R)			
662611 **46738** 4	100	10	50
662611 **46739** 1	80	10	50
662611 **46740** 7	60	10	50
662611 **46742** 1	40	10	50
662611 **46743** 8	36	10	50
662611 **46745** 2	20	10	50
662611 **46746** 9	16	10	50
662611 **00255** 4 NS	12	10	50
8" x 20" (AMERICAN)			
699573 **47988** 9 NS	100	10	50
699573 **47989** 6 NS	80	10	50
699573 **47990** 2 NS	60	10	50
699573 **47991** 9 NS	40	10	50
699573 **47992** 6 NS	36	10	50
699573 **47997** 1 NS	20	10	50
699573 **47999** 5 NS	16	10	50
8" x 20-3/16" (SILVERLINE SL 8)			
662611 **42093** 8 NS	120	10	100
662611 **46762** 9	100	10	50
662611 **46763** 6	80	10	50
662611 **46765** 0	60	10	50
662611 **46766** 7	40	10	50
662611 **46767** 4	36	10	50
662611 **46770** 4	20	10	50
662611 **46771** 1 NS	16	10	50
8" x 20-1/4" (CLARKE EC-8 NO NOTCHES)			
662611 **31754** 2	100	10	50
662611 **31755** 9	80	10	50
662611 **31756** 6	60	10	50
662611 **10408** 1	50	10	50
662611 **31757** 3	40	10	50
662611 **31758** 0	36	10	50
662611 **31759** 7 NS	20	10	50
662611 **31760** 3 NS	16	10	50

NS = NON-STOCK

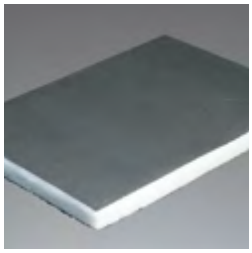
ORBITAL SHEETS

100% silicon carbide abrasive coated with abrasive on both sides for twice the life, quick switch, no PSA contamination, increased tear resistance. Strong E & F weight paper for increased durability.



DOUBLE-SIDED PAPER			
UPC	**GRIT**	**MIN PKG**	**CASE**
12" x 18" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **43140** 8	120	10	10
662611 **43141** 5	100	10	10
662611 **43142** 2	80	10	10
662611 **43143** 9	60	10	10
662611 **43144** 6 NS	40	10	10
662611 **43145** 3	36	10	10
662611 **49158** 7	20	10	10
12" x 24" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **43146** 0	120	10	10
662611 **43147** 7 NS	100	10	10
662611 **43148** 4 NS	80	10	10
662611 **43149** 1 NS	60	10	10
662611 **43150** 7 NS	40	10	10
662611 **43151** 4 NS	36	10	10
662611 **49159** 4 NS	20	10	10

NS = NON-STOCK



SCREEN-BAK

Screen discs are inter-woven polyester open mesh with abrasive grain on both sides for maximum life and use. Rinse and reuse. Screens tend to abrade more aggressively than paper or cloth. Always use with a non-woven back-up pad. The orbital machines rests on top of the non-woven pad which acts as the driver for the abrasive screen, cutting softer to leave less of a scratch pattern. Choose white (non-abrasive) or red for a general purpose driver pad. Choose maroon for between coats abrasion with pad only.

UPC	GRIT	MIN PKG	CASE
12" x 18" SCREENS (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **22411** 6	180	10	10
076607 **02490** 9	150	10	10
076607 **01393** 4	120	10	10
076607 **02489** 3	100	10	10
662611 **22415** 4	80	10	10
12" x 24" SCREENS (FLOOR KING M101-24)			
662611 **35719** 7 NS	180	10	10
662611 **35720** 3 NS	150	10	10
662611 **35721** 0 NS	120	10	10
662611 **35722** 7 NS	100	10	10
662611 **35723** 4 NS	80	10	10
12" x 18" x 1/4" BACK-UP PADS			
662610 **51664** 9	Tan		10
662610 **51665** 6	White		10
662610 **06179** 8 NS	Green		10
12" x 18" x 1" BACK-UP PADS – UPC CODED (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
076607 **01392** 7	White, Super 54		5
662610 **09217** 4	Maroon Very Fine		10
076607 **03846** 3	Thick Red		5
12" x 24" x 1" BACK-UP PADS (FLOOR KING M101-24)			
662610 **51676** 7	White, Super 54		5
12" x 24" x 1/4" BACK-UP PADS			
662610 **51669** 4	White		10

NS = NON-STOCK

LARGE DIAMETER DISCS

Large diameter discs are great for removing material such as glue, carpet backing and other heavy residues on wood floors. Also used to hard plate, final blending of the floor and between coats sanding. Paper discs come in heavy E, F and combination paper backings for quality cut and strength.



PAPER (DURITE H422 / S456 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
15" x 2"			
662611 **24678** 1 NS	100	10	10
662611 **24686** 6	80	10	10
662611 **35872** 9 NS	60	10	10
662611 **24680** 4	36	10	10
662611 **24636** 1	20	10	10
662611 **24671** 2	16	10	10
662611 **35874** 3	12	10	10
16" x 2"			
662611 **24644** 6	100	10	10
662611 **24665** 1	80	10	10
662611 **24659** 0	60	10	10
662611 **39520** 5 NS	40	10	10
662611 **24650** 7	36	10	10
662611 **24637** 8	20	10	10
662611 **24672** 9	16	10	10
662611 **28561** 2	12	10	10
17" x 2"			
662611 **24679** 8	100	10	10
662611 **24687** 3	80	10	10
662611 **24684** 2	60	10	10
662611 **24682** 8 NS	40	10	10
662611 **24651** 4	36	10	10
662611 **24638** 5	20	10	10
662611 **24673** 6 NS	16	10	10
662611 **36231** 3	12	10	10
19" x 2"			
699573 **48005** 2 NS	100	10	10
699573 **48006** 9 NS	80	10	10
699573 **48007** 6 NS	60	10	10
699573 **48008** 3 NS	40	10	10
699573 **48010** 6 NS	36	10	10
699573 **48012** 0 NS	20	10	10
699573 **48014** 4 NS	16	10	10
20" x 2"			
662611 **35735** 7	100	10	10
662611 **35736** 4 NS	80	10	10
662611 **35737** 1	60	10	10
662611 **39519** 9 NS	40	10	10
662611 **35738** 8	36	10	10
662611 **35739** 5	20	10	10
662611 **35740** 1	16	10	10
662611 **35741** 8	12	10	10

NS = NON-STOCK

LARGE DIAMETER DISCS (CONTINUED)

Double-sided discs are coated on both sides for twice the life and not PSA contamination, quicker change, and increased resistance to tearing.

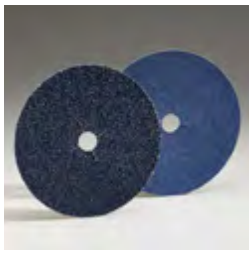


PAPER – DOUBLE-SIDED (DURITE H425 / S413)			
UPC	**GRIT**	**MIN PKG**	**CASE**
16" BLANK DISC			
662611 **43128** 6	120	10	10
662611 **43129** 3	100	10	10
662611 **43130** 9	80	10	10
662611 **43131** 6	60	10	10
662611 **43132** 3	40	10	10
662611 **43133** 0	36	10	10
662611 **49150** 1	20	10	10
17" BLANK DISC			
662611 **49152** 5	100	10	10
662611 **49153** 2	80	10	10
662611 **49154** 9	60	10	10
662611 **49155** 6	36	10	10
662611 **49151** 8 NS	20	10	10
20" BLANK DISC			
662611 **49156** 3 NS	100	10	10
662611 **49157** 0	80	10	10
662611 **49059** 7	60	10	10
662611 **49058** 0 NS	36	10	10
662611 **49057** 3 NS	20	10	10

NS = NON-STOCK

EDGER DISCS

For use on hand held edger machines to sand areas where the drum/belt sander does not reach. The Norton BlueFire has a patented zirconia alumina grain to provide the smoothest finish with less down time.



NORTON BLUEFIRE (H831 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
666233 **19904** 3	120	25	25
666233 **19905** 0	100	25	25
666233 **19906** 7	80	25	25
666233 **19907** 4	60	25	25
666233 **19908** 1	50	25	25
666233 **19909** 8	40	25	25
666233 **19910** 4	36	25	25
666233 **19911** 1	24	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
666233 **19912** 8	120	25	25
666233 **19913** 5	100	25	25
666233 **19914** 2	80	25	25
666233 **19915** 9	60	25	25
666233 **19916** 6	50	25	25
666233 **19917** 3	40	25	25
666233 **19918** 0	36	25	25
666233 **19919** 7	24	25	25

EDGER DISCS (CONTINUED)

For use on hand held edger machine to sand areas where the drum/belt sander does not reach. Durite has a traditional silicon carbide grain allowing smooth finishes with less cost.

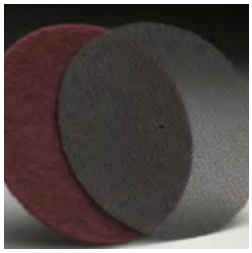


NORTON DURITE			
UPC	**GRIT**	**MIN PKG**	**CASE**
5" x 1/4" (CLARKE)			
662611 **45845** 0	100	100	500
662611 **45850** 4	80	100	500
662611 **45855** 9	60	100	500
662611 **45860** 3	50	100	500
662611 **45865** 8	40	100	500
662611 **45870** 2	36	100	500
662611 **45875** 7	30	100	500
662611 **10788** 4	24	100	500
662611 **45885** 6	20	50	250
662611 **45890** 0	16	50	250
662611 **04473** 8 NS	12	50	250
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
662611 **35063** 1	120	100	100
662611 **35064** 8	100	100	100
662611 **35065** 5	80	100	100
662611 **35066** 2	60	100	100
662611 **35067** 9	50	100	100
662611 **35068** 6	40	50	50
662611 **35069** 3	36	50	50
662611 **35070** 9	30	50	50
662611 **35071** 6	24	50	50
662611 **35072** 3	20	50	50
662611 **35073** 0	16	50	50
662611 **35074** 7	12	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
662611 **35075** 4	120	100	100
662611 **35076** 1	100	100	100
662611 **35077** 8	80	100	100
662611 **35078** 5	60	100	100
662611 **35079** 2	50	100	100
662611 **35080** 8	40	50	50
662611 **35081** 5	36	50	50
662611 **35082** 2	30	50	50
662611 **35083** 9	24	50	50
662611 **35084** 6	20	50	50
662611 **35085** 3	16	50	50
662611 **35086** 0	12	25	25

NS = NON-STOCK

EDGER DISCS (CONTINUED)

SCREEN-BAK (Q421 SCREEN)



Screen-Bak is an inter-woven polyester knit backing with abrasive grain on both sides. Reusable, tear resistant and more aggressive than paper or cloth products.

UPC		GRIT	MIN PKG	CASE
7-7/8" x 3/16" (LAGLER TRIO)				
662611 **23814** 4		180	20	40
662611 **31731** 3		150	20	40
662611 **31732** 0		120	20	40
662611 **31733** 7		100	20	40
662611 **31734** 4		80	20	40
662611 **31730** 6		60	20	40
662610 **07703** 4 NS	Back-up / Conditioning Pad	Maroon – Very Fine	40	40
7" x 5/16"				
662611 **23812** 0 NS		180	20	40
662611 **23044** 5 NS		150	20	40
662611 **31817** 4		120	20	40
662611 **31818** 1		100	20	40
662611 **31819** 8		80	20	40
662611 **19583** 6 NS		60	20	40
662610 **31815** 1	Back-up / Conditioning Pad	Maroon – Very Fine	40	40
7" x 7/8"				
662611 **23813** 7 NS		180	20	40
662611 **23046** 9 NS		150	20	40
662611 **13130** 8		120	20	40
662611 **31821** 1		100	20	40
662611 **31822** 8		80	20	40
662611 **07073** 7 NS		60	20	40
662610 **31816** 8	Back-up / Conditioning Pad	Maroon – Very Fine	40	40

NS = NON-STOCK

EDGERS HOOK & LOOP (PAPER)



Specially designed with hook & loop fastening system for ease of attachment. Strong backing for tear resistance.

UPC		GRIT	MIN PKG	CASE
5" x 0 (8 VAC HOLES) – ALUMINUM OXIDE				
662611 **30239** 5		220	50	200
662611 **30240** 1		180	50	200
662611 **30241** 8		150	50	200
662611 **30242** 5		120	50	200
662611 **30243** 2		100	50	200
662611 **30244** 9		80	50	200
662611 **30245** 6		60	50	200
6" x 0 (U-SAND) – SILICON CARBIDE				
662611 **96408** 1		100	40	40
662611 **96411** 1		80	40	40
662611 **95622** 2		60	40	40
662611 **96412** 8		50	40	40
662611 **96414** 2		40	40	40
662611 **96416** 6		36	40	40
662611 **95623** 9		24	40	40
076607 **03093** 1	Back-up / Conditioning Pad	Maroon – Very Fine	10	1

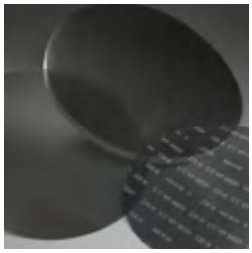
EDGER DISCS (CONTINUED)



NORTON BLUEFIRE EDGERS HOOK & LOOP (PAPER)				
UPC	**GRIT**	**MIN PKG**	**CASE**	
7" x 0 - CLARK, PROSAND, SILVERLINE				
666233 **74344** 4	120	25	25	
666233 **74345** 1	100	25	25	
666233 **74346** 8	80	25	25	
666233 **74347** 5	60	25	25	
666233 **74349** 9	50	25	25	
666233 **74350** 5	40	25	25	
666233 **74351** 2	36	25	25	
666233 **74352** 9	24	25	25	
8" x 0 - LAGLER TRIO				
666233 **74361** 1	120	25	100	
666233 **74362** 8	100	25	100	
666233 **74363** 5	80	25	100	
666233 **74364** 2	60	25	100	
666233 **74365** 9	50	25	100	
666233 **74366** 6	40	25	100	
666233 **74367** 3	36	25	100	
662610 **02311** 6	Back-up / Conditioning Pad	Maroon – Very Fine	80	80

SCREEN DISCS

The Screen-Bak discs are more aggressive, durable and have longer life than most other screen products in the industry. Manufactured with an inter-locking polyester knit backing, coated with abrasive on both sides and the open mesh for load resistance make recoating projects easy and economical.



SCREEN-BAK (Q421)			
UPC	**GRIT**	**MIN PKG**	**CASE**
13" DIAMETER			
662611 **20497** 2 **NS**	150	10	10
662611 **20498** 9 **NS**	120	10	10
662611 **20499** 6	100	10	10
662611 **20500** 9	80	10	10
662611 **20501** 0	60	10	10
15" DIAMETER			
662611 **21490** 2	220	10	10
662611 **20508** 5	180	10	10
662611 **20509** 2	150	10	10
662611 **20510** 8	120	10	10
662611 **20511** 5	100	10	10
662611 **20512** 2	80	10	10
662611 **20513** 9	60	10	10
16" DIAMETER			
662611 **23032** 2	220	10	10
662611 **20514** 6	180	10	10
662611 **20515** 3	150	10	10
662611 **20516** 0	120	10	10
662611 **20517** 7	100	10	10
662611 **20518** 4	80	10	10
662611 **20519** 1	60	10	10
17" DIAMETER			
662611 **31726** 9 **NS**	220	10	10
662611 **20520** 7	180	10	10
662611 **20521** 4	150	10	10
662611 **20522** 1	120	10	10
662611 **20523** 8	100	10	10
662611 **20524** 5	80	10	10
662611 **20525** 2	60	10	10

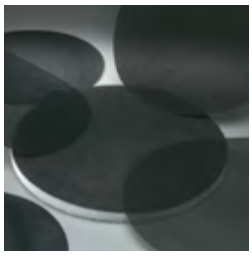
NS = NON-STOCK

SCREEN DISCS (CONTINUED)

SCREEN-BAK (Q421)			
UPC	**GRIT**	**MIN PKG**	**CASE**
18" DIAMETER			
662611 **31727** 6	220	10	10
662611 **20526** 9	180	10	10
662611 **20527** 6	150	10	10
662611 **20528** 3	120	10	10
662611 **20529** 0	100	10	10
662611 **20530** 6	80	10	10
662611 **20531** 3	60	10	10
19" DIAMETER			
662611 **20532** 0 NS	180	10	10
662611 **20533** 7 NS	150	10	10
662611 **20534** 4	120	10	10
662611 **20535** 1	100	10	10
662611 **20536** 8	80	10	10
662611 **20537** 5	60	10	10
20" DIAMETER			
662611 **20538** 2 NS	180	10	10
662611 **20539** 9	150	10	10
662611 **20540** 5	120	10	10
662611 **20541** 2	100	10	10
662611 **20542** 9	80	10	10
662611 **20543** 6	60	10	10
21" DIAMETER			
662611 **20544** 3 NS	180	10	10
662611 **20545** 0 NS	150	10	10
662611 **20546** 7 NS	120	10	10
662611 **20547** 4 NS	100	10	10
662611 **20548** 1 NS	80	10	10
662611 **20549** 8 NS	60	10	10

NS = NON-STOCK

SCREEN DISCS (CONTINUED)



SCREEN-BAK (Q425)			
UPC	**GRIT**	**MIN PKG**	**CASE**
15" DIAMETER			
662611 **57321** 4	120	10	10
662611 **57320** 7	100	10	10
662611 **57319** 1	80	10	10
662611 **57318** 4	60	10	10
16" DIAMETER			
662611 **48894** 2	220	10	10
662611 **48895** 6	180	10	10
662611 **48896** 3	150	10	10
662611 **48897** 0	120	10	10
662611 **48898** 7	100	10	10
662611 **48899** 4	80	10	10
662611 **48900** 1	60	10	10
17" DIAMETER			
662611 **48901** 7	180	10	10
662611 **48902** 4	150	10	10
662611 **48903** 1	120	10	10
662611 **48904** 8	100	10	10
662611 **48905** 5	80	10	10
662611 **48906** 2	60	10	10
18" DIAMETER			
662611 **57331** 3	120	10	10
662611 **48907** 0	100	10	10
662611 **48908** 6	80	10	10
662611 **48909** 3	60	10	10
19" DIAMETER			
662611 **57335** 5	120	10	10
662611 **57334** 2	100	10	10
662611 **57333** 9	80	10	10
662611 **57332** 6	60	10	10
20" DIAMETER			
662611 **48910** 5	120	10	10
662611 **48911** 2	100	10	10
662611 **48912** 9	80	10	10
662611 **48913** 6	60	10	10

FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. Traditional rental-grade pads.

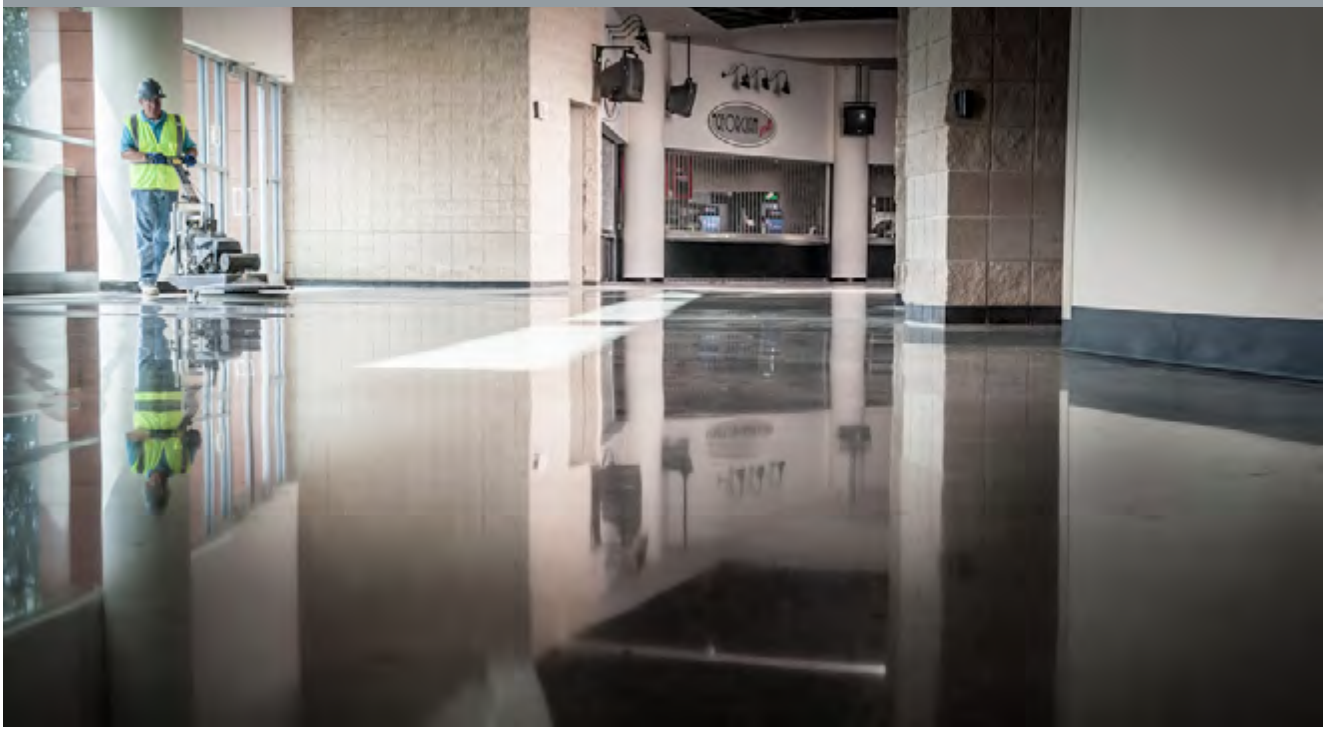


THIN FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
13" x 1/4"		
662610 **59080** 9 NS	White	10
662610 **59082** 3 NS	Green	10
662610 **59083** 0 NS	Black	10
15" x 1/4"		
662610 **59089** 2 NS	Tan	10
662610 **59088** 5 NS	White	10
662610 **59090** 8 NS	Green	10
662610 **59091** 5 NS	Black	10
16" x 1/4"		
662610 **59093** 9 NS	Tan	10
662610 **59092** 2 NS	White	10
662610 **59094** 6 NS	Green	10
662610 **59095** 3	Black	10
662610 **51679** 3	Tan	5
17" x 1/4"		
662610 **59097** 7	Tan	10
662610 **59096** 0	White	10
662610 **59098** 4	Green	10
662610 **59099** 1	Black	10
18" x 1/4"		
662610 **59101** 1 NS	Tan	10
662610 **59100** 4 NS	White	10
662610 **59102** 8 NS	Green	10
20" x 1/4"		
662610 **59110** 3	Green	10
662610 **59111** 0 NS	Black	10

NS = NON-STOCK

TECHtip

Swirling and powdering is the result of a floor pad that is too aggressive for the floor finish. Move to a softer, less aggressive floor pad if this occurs.



FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. 1" thick for longer life.



THICK FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
12" x 18" x 1"		
662610 **05290** 1	Tan	5
662610 **06547** 5	White	5
662610 **51672** 4	Red	5
662610 **02596** 7 NS	Green	5
662610 **51677** 9	Black	5
13" x 1"		
662610 **57600** 1 NS	Tan	5
662610 **54205** 1	White	5
662610 **54272** 3	Red	5
662610 **54240** 2	Blue	5
662610 **54257** 0	Green	5
662610 **54223** 5	Black	5
15" x 1"		
662610 **57601** 8 NS	Tan	5
662610 **54207** 5	White	5
662610 **54274** 7	Red	5
662610 **54242** 6	Blue	5
662610 **54259** 4	Green	5
662610 **54225** 9	Black	5
16" x 1"		
662610 **57604** 9 NS	Tan	5
662610 **54208** 2	White	5
662610 **54275** 4	Red	5
662610 **54243** 3	Blue	5
662610 **54260** 0	Green	5
662610 **54226** 6	Black	5
17" x 1"		
662610 **57607** 0	Tan	5
662610 **54209** 9	White	5
662610 **54276** 1	Red	5
662610 **54244** 9	Blue	5
662610 **54261** 7	Green	5
662610 **54227** 8	Black	5
18" x 1"		
662610 **57609** 4	Tan	5
662610 **54210** 5	White	5
662610 **54277** 8	Red	5
662610 **54245** 7	Blue	5
662610 **54262** 4	Green	5
662610 **54228** 0	Black	5
20" x 1"		
662610 **57611** 7	Tan	5
662610 **54212** 9	White	5
662610 **54279** 2	Red	5
662610 **54247** 1	Blue	5
662610 **54264** 8	Green	5
662610 **54230** 3	Black	5

NS = NON-STOCK

true blue
REINVENTED

A unique microstructure, optimal chemistry, and superior process control give Norton BlueFire a significant performance advantage with material removal rates and up to 30% longer life over conventional zirconia products. The proven performance of the original blue belt is now infused with the newest grain technology for even greater results.

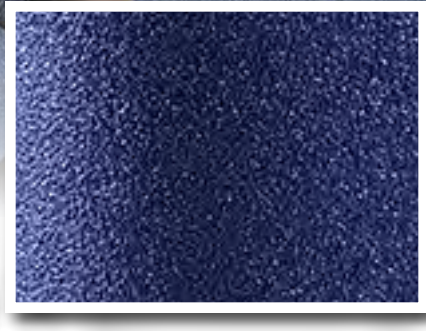
NORTON SAINT-GOBAIN BLUEfire®



Grain Technology
Infused with a proprietary, self-sharpening 100% zirconia alumina grain.



Anti-Stat Treatment
Increased dust collection efficiency for less airborne wood dust.



Resin Bond
Improved bond system ensures grain retention under the most demanding applications.

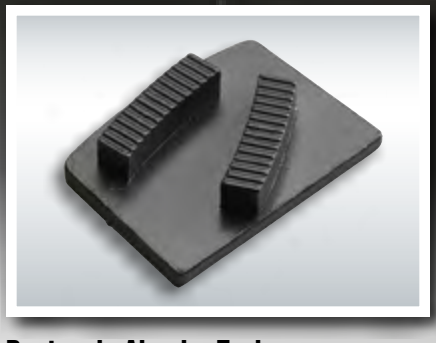




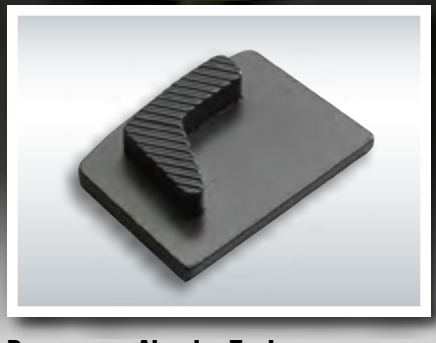
pull up a shine
DURING THE DAILY GRIND

Get the finest polished surface possible by starting with the Norton Abrader series of grinding tools. Three configurations improve and optimize machine pressure for the best tool to surface contact. Serrated surfaces quicken entry and a full grit range ensures stock removal control without gouging for a true reflection of your hard work.

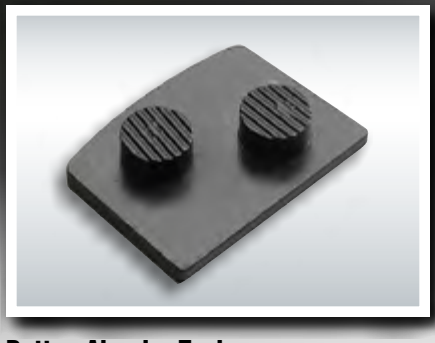




Rectangle Abrader Tool
Designed for very hard aggregate such as flint, granite and chert and/or have a very high PSI rating.



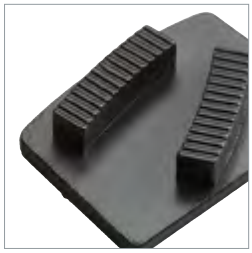
Boomerang Abrader Tool
Ideal for medium hardness floors. Excels in a wide range of surfaces such as granite, quartzite, river gravel and more.



Button Abrader Tool
The hardest of segment created to remove stock and level floors quickly.

ABRADER METAL-BONDED DIAMOND TOOLS

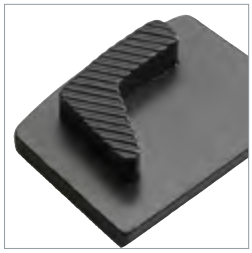
RECTANGLE ABRADER TOOL



The rectangle shaped segments are the softest bond and are designed for very hard concrete. The ridged shape of the rectangle improve grinding capabilities and ensure fast stock removal. Suggested for surfaces with a large percentage of chert, flint, gabbro and other hard materials.

UPC	PART #	GRIT / COLOR	QTY
701846 **45492** 6	FGW 3-Pack Hardfloor QCS	18/20 Silver	3
701846 **43705** 9	FGW 3-Pack Hardfloor QCS	30/40 Grey	3
701846 **43706** 6	FGW 3-Pack Hardfloor QCS	60/80 Brown	3
701846 **43707** 3	FGW 3-Pack Hardfloor QCS	120/150 Black	3

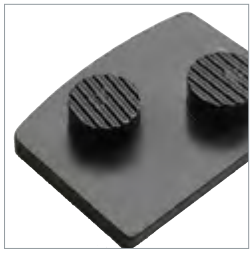
BOOMERANG ABRADER TOOL



The boomerang shaped segments are designed for medium hardness floors. The shape and specification are considered universal due to its versatility on a wide range of surfaces especially on granite, quartzite and river gravel to name a few. Having a boomerang shape allows the segment to cut quickly while removing swarf away from the segment to ensure a continuous cutting action.

UPC	PART #	GRIT / COLOR	QTY
701846 **45494** 0	FGW 3-Pack Universal QCS	18/20 Silver	3
701846 **43708** 8	FGW 3-Pack Universal QCS	30/40 Grey	3
701846 **43709** 7	FGW 3-Pack Universal QCS	60/80 Brown	3
701846 **43710** 3	FGW 3-Pack Universal QCS	120/150 Black	3

BUTTON ABRADER TOOL



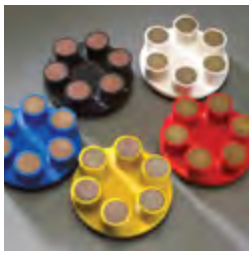
The hardest of segments, the Abrader button segment is designed to remove stock and level abrasive floors quickly and extends life in very abrasive concrete. A full circular shape provides a smooth entry into the surface. It protects the floor from being gouged unlike other stock removing bits with sharp edges. Thus allowing you to get the work done faster with a minimum of surface removal leaving a smooth level floor to be polished.

UPC	PART #	GRIT / COLOR	QTY
701846 **45493** 3	FGW 3-Pack Softfloor QCS	18/20 Silver	3
701846 **42896** 5	FGW 3-Pack Softfloor QCS	30/40 Grey	3
701846 **42897** 2	FGW 3-Pack Softfloor QCS	60/80 Brown	3
701846 **42898** 9	FGW 3-Pack Softfloor QCS	120/150 Black	3

GRIT / COLOR	APPLICATION
18/20 Silver	Aggressive diamond tool for heavy stock removal and/or cure and seal coatings.
30/40 Grey	Coating removal of 0.5-10 mm. Generally first stage tool for polishing a rough concrete slab.
60/80 Brown	Initial polishing tool for new concrete. Will prepare surface for acid staining or thin sealants.
120/150 Black	The final grit prior to changing to resin polishing tools or where a smooth open concrete surface is required.

RESIN BONDED DIAMOND TOOLS

6 DOT RESIN BONDED DIAMOND TOOLS



The 6 Dot Resin bonded diamond tools are our standard offering for concrete polishing. Offered in 100 – 1500 grit these tools will provide a superior finish and long life. The 6 Dot are also very good for harder aggregates with the unit pressure of the tools polish even the hardest floors.

UPC	PART #	GRIT / COLOR	QTY
701846 **28551** 3	28551	100 / Black	9
701846 **28552** 0	28552	200 / Blue	9
701846 **28553** 7	28553	400 / Red	9
701846 **28554** 4	28554	800 / White	9
701846 **28555** 1	28555	1500 / Yellow	9

GRIT / COLOR		APPLICATION
100 Grit (Black)	●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue)	●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red)	●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White)	○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow)	●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

T2 RESIN BONDED POLISHING TOOL



The mixed bond of the T2 range ensures a very fine scratch pattern profile in relation to a standard metal bond segment where the concrete or terrazzo surface is smooth trowelled or has already been leveled with a coarse metal bond tool. The T2 leaves the perfect surface for either closed matte finishing or polishing with the minimum number of stages.

UPC	PART #	GRIT / COLOR	QTY
701846 **28548** 3	28548	40 / Gray	9
701846 **28549** 0	28549	80 / Orange	9
701846 **28550** 6	28550	120 / Black	9

GRIT / COLOR		APPLICATION
40 Grit (Gray)	●	Initial polishing following coarse metal bond tool.
80 Grit (Orange)	●	Initial polishing following 40 grit metal bond tool or first cut on smooth concrete floor.
120 Grit (Black)	●	Initial polishing tool following 80 Grit metal bond tool or first cut on smooth concrete floor.

HIGH PERFORMANCE RESIN BONDED DIAMOND TOOLS



The High Performance Resin bonded tools offer superior gloss and product life. The unique all resin/diamond construction of the High Performance tooling allows you to polish at the highest speeds on the heaviest machines. You can polish faster with gloss results second to none.

UPC	PART #	GRIT / COLOR	QTY
701846 **28556** 8	28556	100 / Black	9
701846 **28557** 5	28557	200 / Blue	9
701846 **28558** 2	28558	400 / Red	9
701846 **28559** 9	28559	800 / White	9
701846 **28560** 5	28560	1500 / Yellow	9

GRIT / COLOR		APPLICATION
100 Grit (Black)	●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue)	●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red)	●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White)	○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow)	●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

PVC CONVERSION PLATE



The PVC conversion plate id designed to take either the 6 Dot or High Performance resin bonded tooling. With hook material on the back of the conversion plate it can be attached to any machine that uses a hook & loop system for applying resin bonded tools.

UPC	PART #	SIZE	QTY
701846 **29013** 5	29013	270 x 5mm	1

RESIN BOND INSERTS FOR USE WITH CONVERSION PLATES

UPC	PART #	DESCRIPTION	QTY
701846 **30931** 8	30931	For 6 Dot Resin & T2 Combination Tools	1
701846 **30930** 1	30930	For High Performance Resin Tools	1

SURFACE PREP TOOLS

CONVERSION PLATE



The unique metal bonded conversation plate is machined to hold Norton tooling without the use of screws or other mechanical devices. The arbor configuration fits many machine models on the market. The three mounting holes in the plate allow the plate to be mechanically fastened to the bottom of any machine. Other plates available to fit most machines on the market.

UPC	MACHINE	MODEL #'S	PLATE DIAMETER	QTY
701846 **28588** 9	HTC	2500ix, 1500 ixT, 950RX, 800HDX & 800HD	10-5/8"	9
701846 **30932** 5	HTC	650HDX, 500	8-5/8"	1
701846 **30342** 2	SASE	780	9"	1
701846 **28588** 9	CPS	G-320, G-250 & G-250XT	10-5/8"	1
701846 **30933** 2	Innovatech	P-3200	10-1/2"	1
701846 **30496** 2	Prepmaster	STI3030	14"	1

GRINDER HEADS



High quality diamond and bond combination designed for long life and fast cut. Ten segment grinder heads are ideal for fast surface removal, while the 20 segment head produces a smooth, fine surface.

UPC	PART #	DESCRIPTION	# OF SEG	QTY
701846 **49531** 8	30120018	For fast removal	10	1
701846 **49529** 5	30120026	For smooth finish	20	1

DIAMOND INSERTS



A 30 grit metal bonded diamond insert created to smooth trowel marks, grind concrete imperfections, removal of epoxy coatings or urethane and leveling high spots or sharp aggregates from surface in a wet or dry process. The unique diamond and bond specification increase performance by as much as five (5) times the life span of the standard grinding stones typically used in surface removal applications.

UPC	DESCRIPTION	GRIT	QTY
701846 **44956** 4	Diamond Insert, Rubber Backer, Plastic Wedges, Case	30	3

*** Diamond Inerts (3), Rubber Backer, Plastic Wedges, Case**

GRINDING STONES



Used to rub down concrete and remove mold marks. These are designed to fit the chucks of common concrete floor grinding equipment. Reusable wooden wedges anchor the stones to the equipment.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **53295** 0	YAGS2F	2" x 2" x 4"	Fine (80 Grit)	1
614636 **53294** 3	YAGS2M	2" x 2" x 4"	Medium (24 Grit)	1
614636 **53293** 6	YAGS2C	2" x 2" x 4"	Coarse (10 Grit)	1
614636 **53292** 9	YAGS2X	2" x 2" x 4"	Super Coarse (6 Grit)	1

Wood wedges are included with Grinding Stones

WOOD WEDGES



UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **85297** 3	YDDWEDGE	N/A	N/A	6

RUBBING BRICKS



Hard silicon carbide rubbing bricks and grinding stones are used for heavy-duty applications such as rubbing floors, cleaning and scouring castings, rubbing down concrete, and removing mold marks.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 **87840** 9	RB87840N	6" x 2" 2"	No Handle	5
614636 **87800** 3	RBH87800N	6" x 3" x 1"	With Handle	5
614636 **87845** 4	RB87845N	8" x 2" x 2"	No Handle	5
614636 **87795** 2	RBH87795N	8" x 3-1/2" x 1-1/2"	With Handle	5

Wood wedges are included with Grinding Stones

FLOOR MAINTENANCE COATINGS

Norton has partnered with Convergent Concrete Technologies to enhance our Natural Stone Care product line by introducing a line of co-branded floor coatings. They conform to "Green Leaf/LEED Qualifying." They are environmentally-friendly and require no special or hazardous disposal methods.

IMPREGNATOR (HD)



Hardener/Densifier for use in the grinding and polishing process (metal/resin bonded abrasives) of concrete and terrazzo surfaces. Ideal for repolishing and restoring worn and damaged surfaces.

UPC	PART #	DESCRIPTION	QTY
701846 **30564** 8	30564	1 Gallon	1
701846 **30565** 5	30565	5 Gallon	1

PROTECTOR (NON-POROUS)



Advanced, high gloss, stain and wear protection finish for non-porous, highly polished surfaces (1500 grit profiles and above). Great for protecting newly polished concrete, factory-finished stone and terrazzo floors.

UPC	PART #	DESCRIPTION	QTY
701846 **30570** 9	30570	1 Gallon	1
701846 **30571** 6	30571	5 Gallon	1

RESTORER (POLISH)



High gloss protective stain treatment that delivers a rapid shine development with increased abrasion and stain protection. Restores the "wet look" to polished or finished concrete floors.

UPC	PART #	DESCRIPTION	QTY
701846 **30574** 7	30574	1 Gallon	1
701846 **30575** 4	30575	5 Gallon	1

***Coatings may be purchased in 55 gallon drums and 275 gallon totes upon request.**

FLOOR POLISHING

5" HOOK & LOOP RESIN BONDED EDGING PAD



The 5" hook & loop resin bonded edging pad is used to polish the perimeter of the work space along with hard-to-reach areas. Using the same durable bonding system as our resin tools, the edging pad offers long life and superior finish. Our grit range is from 60 to 3,000. The pad fits all 5" Velcro backup pads for most 5" right angle grinders.

UPC	PART #	GRIT	QTY
701846 **28561** 2	28561	60	1
701846 **28562** 9	28562	100	1
701846 **28563** 6	28563	200	1
701846 **28564** 3	28564	400	1
701846 **28565** 0	28565	800	1
701846 **28566** 7	28566	1500	1
701846 **28567** 4	28567	3000	1

4" HOOK AND LOOP RESIN BONDED EDGING DISCS



Hook and loop back, high performance, small diameter resin bonded edging discs are ideal for counter top polishing, stairwell steps and other areas where there may be space restrictions that need polishing. Our bond and diamond specification ensure the very minimum of removal leaving a smooth flawless surface.

UPC	COLOR	GRIT	QTY
701846 **45013** 3	Blue	50	10
701846 **45014** 0	Yellow	100	10
701846 **45015** 7	Orange	200	10
701846 **45016** 4	Red	400	10
701846 **45017** 1	Green	800	10
701846 **45018** 8	Teal/Lt. Blue	1500	10
701846 **45019** 5	Tan	3000	10
701846 **45020** 1	White	Buff	10
701846 **45021** 8	Black	Buff	10
701846 **45022** 5		Kit*	1

*KIT INCLUDES: ONE EACH OF THE RESIN DISCS, WHITE BUFF PAD AND BLACK BUFF PAD

FLOOR POLISHING (CONTINUED)

COARSE FLOOR POLISHING PADS



The coarse diamond maintenance pad is perfect for cleaning and resurfacing concrete or natural stone floors. It works very well for floors that are very dirty with light surfaces scratches. The coarse grit pad should be followed by the medium pad as you re-surface the floor.

UPC	QTY
701846 **43513** 0	2
701846 **43517** 8	2
701846 **41575** 0	2
701846 **41579** 8	2
701846 **44146** 9	2

MEDIUM FLOOR POLISHING PADS



The medium grit pad is the second step to re-surfacing a natural stone or concrete floor following the coarse pad. It can also be the starting pad if the floor is slightly dirty with faint surface scratches.

UPC	QTY
701846 **43514** 7	2
701846 **43518** 5	2
701846 **41576** 7	2
701846 **41580** 4	2
701846 **44147** 6	2

FINE FLOOR POLISHING PADS



The fine grit pad is the third step in the re-surfacing of a natural stone or concrete floor following the Medium grit. Can also be used a maintenance pad on most surfaces to keep the shine of the floor on a regular basis.

UPC	QTY
701846 **43515** 4	2
701846 **43519** 2	2
701846 **41577** 4	2
701846 **41581** 1	2
701846 **41583** 5	2

VERY FINE FLOOR POLISHING PADS



The very fine grit pad is the final step in the re-surfacing of a natural stone or concrete floor following the Fine grit pad. It is also the recommended pad for on-going maintenance of the floor to keep the shine level of the floor on a regular basis.

UPC	QTY
701846 **43516** 1	2
701846 **43520** 8	2
701846 **41578** 1	2
701846 **41582** 8	2
701846 **41584** 2	2

ASSORTED FLOOR POLISHING PADS



Perfect for applications where only a few pads are needed to get the job done. Available in the two most popular sizes, the assorted packs contain one each of the grit types; coarse, medium, fine and very fine.

UPC	QTY
701846 **41589** 7	4
701846 **41590** 3	4

FLOOR SANDING BELTS

Choose our 100% Norton Durite silicon carbide abrasive with tough X-weight cotton backing for quality cut and low initial cost. Or, try the Norton Blue Fire for improved cut rate, extended life and less loading than conventional sanding belts - utilizing the Norton patented zirconia alumina grain technology for the very best finish.



NORTON BLUEFIRE (R831 CLOTH)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
666233 **19968** 5	120	10	10
666233 **19969** 2	100	10	10
666233 **19970** 8	80	10	10
666233 **19971** 5	60	10	10
666233 **19972** 2	50	10	10
666233 **19973** 9	40	10	10
666233 **19975** 3	36	10	10
666233 **19974** 6	24	10	10



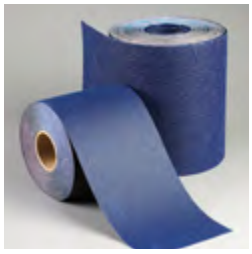
NORTON DURITE (R422 CLOTH)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
780727 **20780** 6	120	10	10
780727 **16000** 2	100	10	10
780727 **16001** 9	80	10	10
780727 **16002** 6	60	10	10
780727 **16003** 3	50	10	10
780727 **16004** 0	40	10	10
780727 **16005** 7	36	10	10
780727 **16006** 4	24	10	10
780727 **69536** 8	16	10	10
8" x 19" (CLARKE EZ-8)			
780727 **10307** 8	120	10	10
076607 **00726** 1	100	10	10
076607 **00727** 8	80	10	10
076607 **00728** 5	60	10	10
780727 **10308** 4	50	10	10
780727 **43002** 0	40	10	10
076607 **00729** 2	36	10	10
076607 **00730** 0	24	10	10
780727 **72102** 9 **FT**	16	10	10

FT = FASTTRACK ITEM

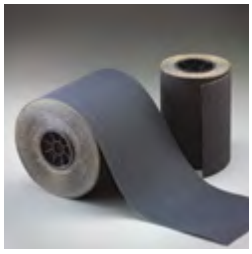


FLOOR SANDING ROLLS

For those who like to cut their own sizes/shapes, we offer two options. The Norton Blue Fire with its patented zirconia alumina grain improves cut rate, extends life and provides less loading than conventional sanding belts. Or, the industry standard Norton Durite silicon carbide abrasive paper for quality cut and low initial cost.



NORTON BLUEFIRE (H PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
8" x 50 YD			
666233 **74264** 5	120	1	1
666233 **74268** 3	100	1	1
666233 **74269** 0	80	1	1
666233 **74271** 3	60	1	1
666233 **74272** 0	50	1	1
666233 **74273** 7	40	1	1
666233 **74274** 4	36	1	1
666233 **74270** 6	24	1	1



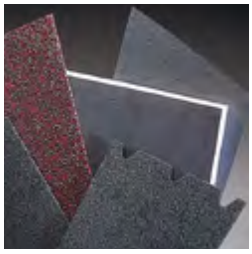
NORTON DURITE (H425, H422, S413 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
8" x 7-1/2" YD (270")			
662611 **23412** 2 **NS**	120	3	3
662611 **47150** 3	100	3	3
662611 **15629** 5	80	3	3
662611 **15600** 4	60	3	3
662611 **15628** 8	50	3	3
662611 **15627** 1	40	3	3
662611 **12748** 6	36	3	3
662611 **02431** 0	30	3	3
662611 **13270** 1	20	3	3
8" x 50 YD			
662611 **23444** 3	100	1	1
662611 **23446** 7	80	1	1
662611 **23445** 0	60	1	1
662611 **23785** 7	40	1	1
662611 **23786** 4 **NS**	36	1	1
662610 **38958** 8	24	1	1
662611 **23789** 5 **NS**	20	1	1
662611 **23788** 8 **NS**	16	1	1

NS = NON-STOCK



FLOOR SANDING SHEETS / COVERS

A wide array of choices from high productivity to low cost, floor sanding silicon carbide sheets and covers are pre-cut to meet manufacturers drum sander specs. Ideal for all phases of a small job.

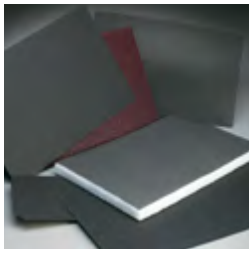


PAPER DRUM COVERS			
UPC	GRIT	MIN PKG	CASE
4-1/2" x 16-3/8" (FLORBOSS)			
662611 **31739** 9	100	10	50
662611 **31740** 5	80	10	50
662611 **31741** 2	60	10	50
662611 **31742** 9 NS	40	10	50
662611 **31743** 6	36	10	50
662611 **23811** 3	20	10	50
662611 **31745** 0 NS	16	10	50
699573 **48816** 4	12	10	50
8" x 17-1/2" (SILVERLINE SLV8)			
662611 **96420** 3	100	10	50
662611 **96442** 5	80	10	50
662611 **96421** 0	60	10	50
662611 **96422** 7	50	10	50
662611 **96424** 1	40	10	50
662611 **96425** 8	36	10	50
662611 **96426** 5	24	10	50
8" x 19-1/2" (CLARKE 8" MODEL DU-8, DU8R & D48R)			
662611 **46738** 4	100	10	50
662611 **46739** 1	80	10	50
662611 **46740** 7	60	10	50
662611 **46742** 1	40	10	50
662611 **46743** 8	36	10	50
662611 **46745** 2	20	10	50
662611 **46746** 9	16	10	50
662611 **00255** 4 NS	12	10	50
8" x 20" (AMERICAN)			
699573 **47988** 9 NS	100	10	50
699573 **47989** 6 NS	80	10	50
699573 **47990** 2 NS	60	10	50
699573 **47991** 9 NS	40	10	50
699573 **47992** 6 NS	36	10	50
699573 **47997** 1 NS	20	10	50
699573 **47999** 5 NS	16	10	50
8" x 20-3/16" (SILVERLINE SL 8)			
662611 **42093** 8 NS	120	10	100
662611 **46762** 9	100	10	50
662611 **46763** 6	80	10	50
662611 **46765** 0	60	10	50
662611 **46766** 7	40	10	50
662611 **46767** 4	36	10	50
662611 **46770** 4	20	10	50
662611 **46771** 1 NS	16	10	50
8" x 20-1/4" (CLARKE EC-8 NO NOTCHES)			
662611 **31754** 2	100	10	50
662611 **31755** 9	80	10	50
662611 **31756** 6	60	10	50
662611 **10408** 1	50	10	50
662611 **31757** 3	40	10	50
662611 **31758** 0	36	10	50
662611 **31759** 7 NS	20	10	50
662611 **31760** 3 NS	16	10	50

NS = NON-STOCK

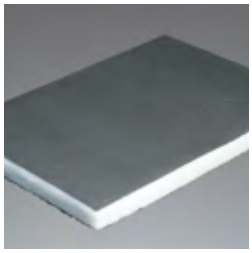
ORBITAL SHEETS

100% silicon carbide abrasive coated with abrasive on both sides for twice the life, quick switch, no PSA contamination, increased tear resistance. Strong E & F weight paper for increased durability.



DOUBLE-SIDED PAPER			
UPC	**GRIT**	**MIN PKG**	**CASE**
12" x 18" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **43140** 8	120	10	10
662611 **43141** 5	100	10	10
662611 **43142** 2	80	10	10
662611 **43143** 9	60	10	10
662611 **43144** 6 NS	40	10	10
662611 **43145** 3	36	10	10
662611 **49158** 7	20	10	10
12" x 24" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **43146** 0	120	10	10
662611 **43147** 7 NS	100	10	10
662611 **43148** 4 NS	80	10	10
662611 **43149** 1 NS	60	10	10
662611 **43150** 7 NS	40	10	10
662611 **43151** 4 NS	36	10	10
662611 **49159** 4 NS	20	10	10

NS = NON-STOCK



SCREEN-BAK

Screen discs are inter-woven polyester open mesh with abrasive grain on both sides for maximum life and use. Rinse and reuse. Screens tend to abrade more aggressively than paper or cloth. Always use with a non-woven back-up pad. The orbital machines rests on top of the non-woven pad which acts as the driver for the abrasive screen, cutting softer to leave less of a scratch pattern. Choose white (non-abrasive) or red for a general purpose driver pad. Choose maroon for between coats abrasion with pad only.

UPC	GRIT	MIN PKG	CASE
12" x 18" SCREENS (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 **22411** 6	180	10	10
076607 **02490** 9	150	10	10
076607 **01393** 4	120	10	10
076607 **02489** 3	100	10	10
662611 **22415** 4	80	10	10
12" x 24" SCREENS (FLOOR KING M101-24)			
662611 **35719** 7 NS	180	10	10
662611 **35720** 3 NS	150	10	10
662611 **35721** 0 NS	120	10	10
662611 **35722** 7 NS	100	10	10
662611 **35723** 4 NS	80	10	10
12" x 18" x 1/4" BACK-UP PADS			
662610 **51664** 9	Tan		10
662610 **51665** 6	White		10
662610 **06179** 8 NS	Green		10
12" x 18" x 1" BACK-UP PADS – UPC CODED (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
076607 **01392** 7	White, Super 54		5
662610 **09217** 4	Maroon Very Fine		10
076607 **03846** 3	Thick Red		5
12" x 24" x 1" BACK-UP PADS (FLOOR KING M101-24)			
662610 **51676** 7	White, Super 54		5
12" x 24" x 1/4" BACK-UP PADS			
662610 **51669** 4	White		10

NS = NON-STOCK

LARGE DIAMETER DISCS

Large diameter discs are great for removing material such as glue, carpet backing and other heavy residues on wood floors. Also used to hard plate, final blending of the floor and between coats sanding. Paper discs come in heavy E, F and combination paper backings for quality cut and strength.



PAPER (DURITE H422 / S456 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
15" x 2"			
662611 **24678** 1 NS	100	10	10
662611 **24686** 6	80	10	10
662611 **35872** 9 NS	60	10	10
662611 **24680** 4	36	10	10
662611 **24636** 1	20	10	10
662611 **24671** 2	16	10	10
662611 **35874** 3	12	10	10
16" x 2"			
662611 **24644** 6	100	10	10
662611 **24665** 1	80	10	10
662611 **24659** 0	60	10	10
662611 **39520** 5 NS	40	10	10
662611 **24650** 7	36	10	10
662611 **24637** 8	20	10	10
662611 **24672** 9	16	10	10
662611 **28561** 2	12	10	10
17" x 2"			
662611 **24679** 8	100	10	10
662611 **24687** 3	80	10	10
662611 **24684** 2	60	10	10
662611 **24682** 8 NS	40	10	10
662611 **24651** 4	36	10	10
662611 **24638** 5	20	10	10
662611 **24673** 6 NS	16	10	10
662611 **36231** 3	12	10	10
19" x 2"			
699573 **48005** 2 NS	100	10	10
699573 **48006** 9 NS	80	10	10
699573 **48007** 6 NS	60	10	10
699573 **48008** 3 NS	40	10	10
699573 **48010** 6 NS	36	10	10
699573 **48012** 0 NS	20	10	10
699573 **48014** 4 NS	16	10	10
20" x 2"			
662611 **35735** 7	100	10	10
662611 **35736** 4 NS	80	10	10
662611 **35737** 1	60	10	10
662611 **39519** 9 NS	40	10	10
662611 **35738** 8	36	10	10
662611 **35739** 5	20	10	10
662611 **35740** 1	16	10	10
662611 **35741** 8	12	10	10

NS = NON-STOCK

LARGE DIAMETER DISCS (CONTINUED)

Double-sided discs are coated on both sides for twice the life and not PSA contamination, quicker change, and increased resistance to tearing.

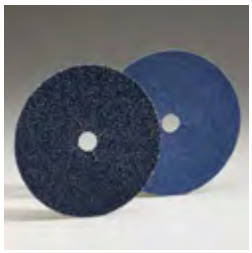


PAPER – DOUBLE-SIDED (DURITE H425 / S413)			
UPC	**GRIT**	**MIN PKG**	**CASE**
16" BLANK DISC			
662611 **43128** 6	120	10	10
662611 **43129** 3	100	10	10
662611 **43130** 9	80	10	10
662611 **43131** 6	60	10	10
662611 **43132** 3	40	10	10
662611 **43133** 0	36	10	10
662611 **49150** 1	20	10	10
17" BLANK DISC			
662611 **49152** 5	100	10	10
662611 **49153** 2	80	10	10
662611 **49154** 9	60	10	10
662611 **49155** 6	36	10	10
662611 **49151** 8 NS	20	10	10
20" BLANK DISC			
662611 **49156** 3 NS	100	10	10
662611 **49157** 0	80	10	10
662611 **49059** 7	60	10	10
662611 **49058** 0 NS	36	10	10
662611 **49057** 3 NS	20	10	10

NS = NON-STOCK

EDGER DISCS

For use on hand held edger machines to sand areas where the drum/belt sander does not reach. The Norton BlueFire has a patented zirconia alumina grain to provide the smoothest finish with less down time.



NORTON BLUEFIRE (H831 PAPER)			
UPC	**GRIT**	**MIN PKG**	**CASE**
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
666233 **19904** 3	120	25	25
666233 **19905** 0	100	25	25
666233 **19906** 7	80	25	25
666233 **19907** 4	60	25	25
666233 **19908** 1	50	25	25
666233 **19909** 8	40	25	25
666233 **19910** 4	36	25	25
666233 **19911** 1	24	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
666233 **19912** 8	120	25	25
666233 **19913** 5	100	25	25
666233 **19914** 2	80	25	25
666233 **19915** 9	60	25	25
666233 **19916** 6	50	25	25
666233 **19917** 3	40	25	25
666233 **19918** 0	36	25	25
666233 **19919** 7	24	25	25

EDGER DISCS (CONTINUED)

For use on hand held edger machine to sand areas where the drum/belt sander does not reach. Durite has a traditional silicon carbide grain allowing smooth finishes with less cost.

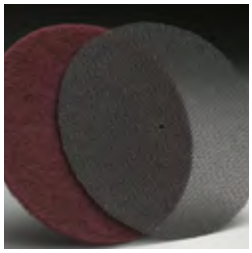


NORTON DURITE			
UPC	**GRIT**	**MIN PKG**	**CASE**
5" x 1/4" (CLARKE)			
662611 **45845** 0	100	100	500
662611 **45850** 4	80	100	500
662611 **45855** 9	60	100	500
662611 **45860** 3	50	100	500
662611 **45865** 8	40	100	500
662611 **45870** 2	36	100	500
662611 **45875** 7	30	100	500
662611 **10788** 4	24	100	500
662611 **45885** 6	20	50	250
662611 **45890** 0	16	50	250
662611 **04473** 8 NS	12	50	250
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
662611 **35063** 1	120	100	100
662611 **35064** 8	100	100	100
662611 **35065** 5	80	100	100
662611 **35066** 2	60	100	100
662611 **35067** 9	50	100	100
662611 **35068** 6	40	50	50
662611 **35069** 3	36	50	50
662611 **35070** 9	30	50	50
662611 **35071** 6	24	50	50
662611 **35072** 3	20	50	50
662611 **35073** 0	16	50	50
662611 **35074** 7	12	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
662611 **35075** 4	120	100	100
662611 **35076** 1	100	100	100
662611 **35077** 8	80	100	100
662611 **35078** 5	60	100	100
662611 **35079** 2	50	100	100
662611 **35080** 8	40	50	50
662611 **35081** 5	36	50	50
662611 **35082** 2	30	50	50
662611 **35083** 9	24	50	50
662611 **35084** 6	20	50	50
662611 **35085** 3	16	50	50
662611 **35086** 0	12	25	25

NS = NON-STOCK

EDGER DISCS (CONTINUED)

SCREEN-BAK (Q421 SCREEN)



Screen-Bak is an inter-woven polyester knit backing with abrasive grain on both sides. Reusable, tear resistant and more aggressive than paper or cloth products.

UPC		GRIT	MIN PKG	CASE
7-7/8" x 3/16" (LAGLER TRIO)				
662611 **23814** 4		180	20	40
662611 **31731** 3		150	20	40
662611 **31732** 0		120	20	40
662611 **31733** 7		100	20	40
662611 **31734** 4		80	20	40
662611 **31730** 6		60	20	40
662610 **07703** 4 NS	Back-up / Conditioning Pad	Maroon – Very Fine	40	40
7" x 5/16"				
662611 **23812** 0 NS		180	20	40
662611 **23044** 5 NS		150	20	40
662611 **31817** 4		120	20	40
662611 **31818** 1		100	20	40
662611 **31819** 8		80	20	40
662611 **19583** 6 NS		60	20	40
662610 **31815** 1	Back-up / Conditioning Pad	Maroon – Very Fine	40	40
7" x 7/8"				
662611 **23813** 7 NS		180	20	40
662611 **23046** 9 NS		150	20	40
662611 **13130** 8		120	20	40
662611 **31821** 1		100	20	40
662611 **31822** 8		80	20	40
662611 **07073** 7 NS		60	20	40
662610 **31816** 8	Back-up / Conditioning Pad	Maroon – Very Fine	40	40

NS = NON-STOCK

EDGERS HOOK & LOOP (PAPER)



Specially designed with hook & loop fastening system for ease of attachment. Strong backing for tear resistance.

UPC		GRIT	MIN PKG	CASE
5" x 0 (8 VAC HOLES) – ALUMINUM OXIDE				
662611 **30239** 5		220	50	200
662611 **30240** 1		180	50	200
662611 **30241** 8		150	50	200
662611 **30242** 5		120	50	200
662611 **30243** 2		100	50	200
662611 **30244** 9		80	50	200
662611 **30245** 6		60	50	200
6" x 0 (U-SAND) – SILICON CARBIDE				
662611 **96408** 1		100	40	40
662611 **96411** 1		80	40	40
662611 **95622** 2		60	40	40
662611 **96412** 8		50	40	40
662611 **96414** 2		40	40	40
662611 **96416** 6		36	40	40
662611 **95623** 9		24	40	40
076607 **03093** 1	Back-up / Conditioning Pad	Maroon – Very Fine	10	1

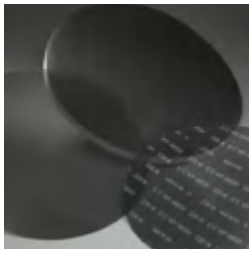
EDGER DISCS (CONTINUED)



NORTON BLUEFIRE EDGERS HOOK & LOOP (PAPER)				
UPC	**GRIT**	**MIN PKG**	**CASE**	
7" x 0 - CLARK, PROSAND, SILVERLINE				
666233 **74344** 4	120	25	25	
666233 **74345** 1	100	25	25	
666233 **74346** 8	80	25	25	
666233 **74347** 5	60	25	25	
666233 **74349** 9	50	25	25	
666233 **74350** 5	40	25	25	
666233 **74351** 2	36	25	25	
666233 **74352** 9	24	25	25	
8" x 0 - LAGLER TRIO				
666233 **74361** 1	120	25	100	
666233 **74362** 8	100	25	100	
666233 **74363** 5	80	25	100	
666233 **74364** 2	60	25	100	
666233 **74365** 9	50	25	100	
666233 **74366** 6	40	25	100	
666233 **74367** 3	36	25	100	
662610 **02311** 6	Back-up / Conditioning Pad	Maroon – Very Fine	80	80

SCREEN DISCS

The Screen-Bak discs are more aggressive, durable and have longer life than most other screen products in the industry. Manufactured with an inter-locking polyester knit backing, coated with abrasive on both sides and the open mesh for load resistance make recoating projects easy and economical.



SCREEN-BAK (Q421)			
UPC	**GRIT**	**MIN PKG**	**CASE**
13" DIAMETER			
662611 **20497** 2 **NS**	150	10	10
662611 **20498** 9 **NS**	120	10	10
662611 **20499** 6	100	10	10
662611 **20500** 9	80	10	10
662611 **20501** 0	60	10	10
15" DIAMETER			
662611 **21490** 2	220	10	10
662611 **20508** 5	180	10	10
662611 **20509** 2	150	10	10
662611 **20510** 8	120	10	10
662611 **20511** 5	100	10	10
662611 **20512** 2	80	10	10
662611 **20513** 9	60	10	10
16" DIAMETER			
662611 **23032** 2	220	10	10
662611 **20514** 6	180	10	10
662611 **20515** 3	150	10	10
662611 **20516** 0	120	10	10
662611 **20517** 7	100	10	10
662611 **20518** 4	80	10	10
662611 **20519** 1	60	10	10
17" DIAMETER			
662611 **31726** 9 **NS**	220	10	10
662611 **20520** 7	180	10	10
662611 **20521** 4	150	10	10
662611 **20522** 1	120	10	10
662611 **20523** 8	100	10	10
662611 **20524** 5	80	10	10
662611 **20525** 2	60	10	10

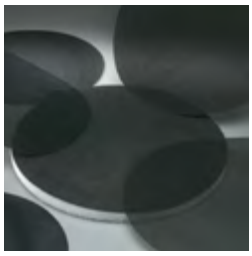
NS = NON-STOCK

SCREEN DISCS (CONTINUED)

SCREEN-BAK (Q421)			
UPC	**GRIT**	**MIN PKG**	**CASE**
18" DIAMETER			
662611 **31727** 6	220	10	10
662611 **20526** 9	180	10	10
662611 **20527** 6	150	10	10
662611 **20528** 3	120	10	10
662611 **20529** 0	100	10	10
662611 **20530** 6	80	10	10
662611 **20531** 3	60	10	10
19" DIAMETER			
662611 **20532** 0 NS	180	10	10
662611 **20533** 7 NS	150	10	10
662611 **20534** 4	120	10	10
662611 **20535** 1	100	10	10
662611 **20536** 8	80	10	10
662611 **20537** 5	60	10	10
20" DIAMETER			
662611 **20538** 2 NS	180	10	10
662611 **20539** 9	150	10	10
662611 **20540** 5	120	10	10
662611 **20541** 2	100	10	10
662611 **20542** 9	80	10	10
662611 **20543** 6	60	10	10
21" DIAMETER			
662611 **20544** 3 NS	180	10	10
662611 **20545** 0 NS	150	10	10
662611 **20546** 7 NS	120	10	10
662611 **20547** 4 NS	100	10	10
662611 **20548** 1 NS	80	10	10
662611 **20549** 8 NS	60	10	10

NS = NON-STOCK

SCREEN DISCS (CONTINUED)



SCREEN-BAK (Q425)			
UPC	**GRIT**	**MIN PKG**	**CASE**
15" DIAMETER			
662611 **57321** 4	120	10	10
662611 **57320** 7	100	10	10
662611 **57319** 1	80	10	10
662611 **57318** 4	60	10	10
16" DIAMETER			
662611 **48894** 2	220	10	10
662611 **48895** 6	180	10	10
662611 **48896** 3	150	10	10
662611 **48897** 0	120	10	10
662611 **48898** 7	100	10	10
662611 **48899** 4	80	10	10
662611 **48900** 1	60	10	10
17" DIAMETER			
662611 **48901** 7	180	10	10
662611 **48902** 4	150	10	10
662611 **48903** 1	120	10	10
662611 **48904** 8	100	10	10
662611 **48905** 5	80	10	10
662611 **48906** 2	60	10	10
18" DIAMETER			
662611 **57331** 3	120	10	10
662611 **48907** 0	100	10	10
662611 **48908** 6	80	10	10
662611 **48909** 3	60	10	10
19" DIAMETER			
662611 **57335** 5	120	10	10
662611 **57334** 2	100	10	10
662611 **57333** 9	80	10	10
662611 **57332** 6	60	10	10
20" DIAMETER			
662611 **48910** 5	120	10	10
662611 **48911** 2	100	10	10
662611 **48912** 9	80	10	10
662611 **48913** 6	60	10	10

FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. Traditional rental-grade pads.

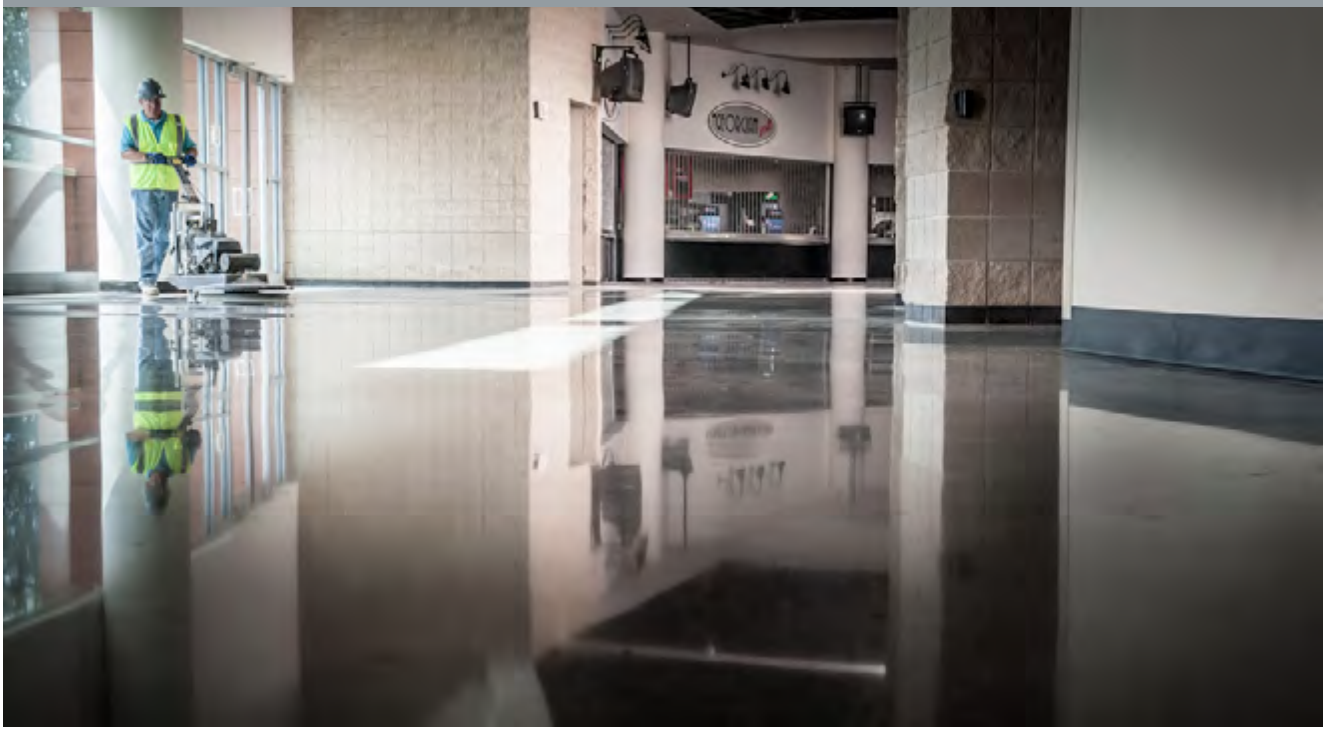


THIN FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
13" x 1/4"		
662610 **59080** 9 NS	White	10
662610 **59082** 3 NS	Green	10
662610 **59083** 0 NS	Black	10
15" x 1/4"		
662610 **59089** 2 NS	Tan	10
662610 **59088** 5 NS	White	10
662610 **59090** 8 NS	Green	10
662610 **59091** 5 NS	Black	10
16" x 1/4"		
662610 **59093** 9 NS	Tan	10
662610 **59092** 2 NS	White	10
662610 **59094** 6 NS	Green	10
662610 **59095** 3	Black	10
662610 **51679** 3	Tan	5
17" x 1/4"		
662610 **59097** 7	Tan	10
662610 **59096** 0	White	10
662610 **59098** 4	Green	10
662610 **59099** 1	Black	10
18" x 1/4"		
662610 **59101** 1 NS	Tan	10
662610 **59100** 4 NS	White	10
662610 **59102** 8 NS	Green	10
20" x 1/4"		
662610 **59110** 3	Green	10
662610 **59111** 0 NS	Black	10

NS = NON-STOCK

TECHtip

Swirling and powdering is the result of a floor pad that is too aggressive for the floor finish. Move to a softer, less aggressive floor pad if this occurs.



FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. 1" thick for longer life.



THICK FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
12" x 18" x 1"		
662610 **05290** 1	Tan	5
662610 **06547** 5	White	5
662610 **51672** 4	Red	5
662610 **02596** 7 NS	Green	5
662610 **51677** 9	Black	5
13" x 1"		
662610 **57600** 1 NS	Tan	5
662610 **54205** 1	White	5
662610 **54272** 3	Red	5
662610 **54240** 2	Blue	5
662610 **54257** 0	Green	5
662610 **54223** 5	Black	5
15" x 1"		
662610 **57601** 8 NS	Tan	5
662610 **54207** 5	White	5
662610 **54274** 7	Red	5
662610 **54242** 6	Blue	5
662610 **54259** 4	Green	5
662610 **54225** 9	Black	5
16" x 1"		
662610 **57604** 9 NS	Tan	5
662610 **54208** 2	White	5
662610 **54275** 4	Red	5
662610 **54243** 3	Blue	5
662610 **54260** 0	Green	5
662610 **54226** 6	Black	5
17" x 1"		
662610 **57607** 0	Tan	5
662610 **54209** 9	White	5
662610 **54276** 1	Red	5
662610 **54244** 9	Blue	5
662610 **54261** 7	Green	5
662610 **54227** 8	Black	5
18" x 1"		
662610 **57609** 4	Tan	5
662610 **54210** 5	White	5
662610 **54277** 8	Red	5
662610 **54245** 7	Blue	5
662610 **54262** 4	Green	5
662610 **54228** 0	Black	5
20" x 1"		
662610 **57611** 7	Tan	5
662610 **54212** 9	White	5
662610 **54279** 2	Red	5
662610 **54247** 1	Blue	5
662610 **54264** 8	Green	5
662610 **54230** 3	Black	5

NS = NON-STOCK

true blue
REINVENTED

A unique microstructure, optimal chemistry, and superior process control give Norton BlueFire a significant performance advantage with material removal rates and up to 30% longer life over conventional zirconia products. The proven performance of the original blue belt is now infused with the newest grain technology for even greater results.

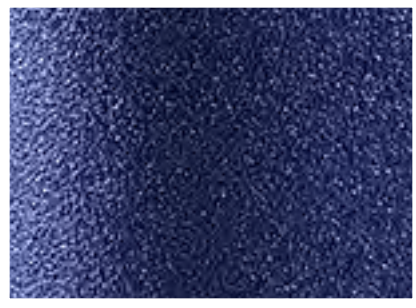
NORTON SAINT-GOBAIN BLUEfire®



Grain Technology
Infused with a proprietary, self-sharpening 100% zirconia alumina grain.



Anti-Stat Treatment
Increased dust collection efficiency for less airborne wood dust.



Resin Bond
Improved bond system ensures grain retention under the most demanding applications.

FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. Traditional rental-grade pads.

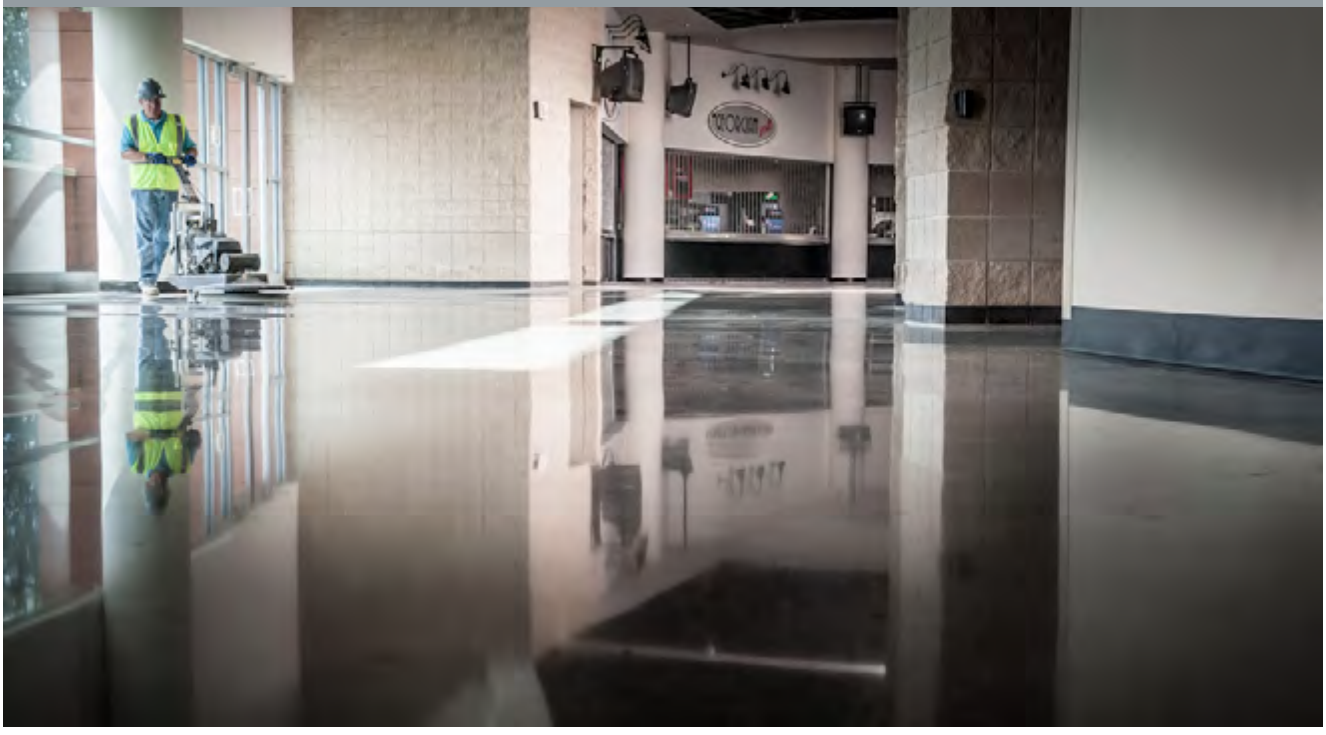


THIN FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
13" x 1/4"		
662610 **59080** 9 NS	White	10
662610 **59082** 3 NS	Green	10
662610 **59083** 0 NS	Black	10
15" x 1/4"		
662610 **59089** 2 NS	Tan	10
662610 **59088** 5 NS	White	10
662610 **59090** 8 NS	Green	10
662610 **59091** 5 NS	Black	10
16" x 1/4"		
662610 **59093** 9 NS	Tan	10
662610 **59092** 2 NS	White	10
662610 **59094** 6 NS	Green	10
662610 **59095** 3	Black	10
662610 **51679** 3	Tan	5
17" x 1/4"		
662610 **59097** 7	Tan	10
662610 **59096** 0	White	10
662610 **59098** 4	Green	10
662610 **59099** 1	Black	10
18" x 1/4"		
662610 **59101** 1 NS	Tan	10
662610 **59100** 4 NS	White	10
662610 **59102** 8 NS	Green	10
20" x 1/4"		
662610 **59110** 3	Green	10
662610 **59111** 0 NS	Black	10

NS = NON-STOCK

TECHtip

Swirling and powdering is the result of a floor pad that is too aggressive for the floor finish. Move to a softer, less aggressive floor pad if this occurs.



FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. 1" thick for longer life.



THICK FLOOR PADS		
UPC	**COLOR**	**PADS PER CASE**
12" x 18" x 1"		
662610 **05290** 1	Tan	5
662610 **06547** 5	White	5
662610 **51672** 4	Red	5
662610 **02596** 7 NS	Green	5
662610 **51677** 9	Black	5
13" x 1"		
662610 **57600** 1 NS	Tan	5
662610 **54205** 1	White	5
662610 **54272** 3	Red	5
662610 **54240** 2	Blue	5
662610 **54257** 0	Green	5
662610 **54223** 5	Black	5
15" x 1"		
662610 **57601** 8 NS	Tan	5
662610 **54207** 5	White	5
662610 **54274** 7	Red	5
662610 **54242** 6	Blue	5
662610 **54259** 4	Green	5
662610 **54225** 9	Black	5
16" x 1"		
662610 **57604** 9 NS	Tan	5
662610 **54208** 2	White	5
662610 **54275** 4	Red	5
662610 **54243** 3	Blue	5
662610 **54260** 0	Green	5
662610 **54226** 6	Black	5
17" x 1"		
662610 **57607** 0	Tan	5
662610 **54209** 9	White	5
662610 **54276** 1	Red	5
662610 **54244** 9	Blue	5
662610 **54261** 7	Green	5
662610 **54227** 8	Black	5
18" x 1"		
662610 **57609** 4	Tan	5
662610 **54210** 5	White	5
662610 **54277** 8	Red	5
662610 **54245** 7	Blue	5
662610 **54262** 4	Green	5
662610 **54228** 0	Black	5
20" x 1"		
662610 **57611** 7	Tan	5
662610 **54212** 9	White	5
662610 **54279** 2	Red	5
662610 **54247** 1	Blue	5
662610 **54264** 8	Green	5
662610 **54230** 3	Black	5

NS = NON-STOCK

CG25S FLOOR GRINDER





Light Weight Design
- Compact for transportation
- Easy for professionals and do-it-yourself rentals



10" Single Grinder Head
- Good grinding coverage



Vacuum Connection
- Dust-free when used with optional CV324 vacuum

For leveling or removal of coatings and adhesives on small to medium jobs, the CG25S, single 10" head floor grinder is a perfect choice. Its compact size is easy to maneuver while being able to grind next to walls and stand-ups. The adjustable handle improves comfort while in operation and includes overload protection, safety shut off and voltage guard. Dust-free when used with the CV324 vacuum.



CV324 Vacuum System

Ideal for clean and dust-free job sites. Its strong dual motor ensures extraction of dust for commercial operations. The container holds up to 10 gallons of debris and is easily removed for cleaning. The top-mounted manual shaker releases dust, extending the life of the filter.

Product Number: 701846 **30017** 9

TECHNICAL SPECIFICATIONS	**CG25S**
Product Number	701846 **30015** 5
Grinding Width – in. (mm)	10" (250)
Grinding Disc Size – in. (mm)	10" (250)
Number of Heads	1
Number of Tools Per Head	1
Grinder/Polisher Type	Grinder
Grinding Head RPM	1,440
Direction of Rotation	Clockwise
Production Rate – sq ft/hr (m2/hrs)	200-400 sq ft/hr (18.5-37 m2/hr)
Power Source	Electric
Motor Type	Baldor
Specifications	T.E.F.C. Thermal Protection
*Maximum Horsepower**	1-3/4 HP
*Net Horsepower**	1-3/4 HP
Voltage	115 volts
Cycle/Current/Phase*	60Hz/AC/1
Full Load Amps	15 Amps
Starting Amps	71.4 Amps
Starter	Capacitor
Vacuum Port Size	2" (50)
Length – in. (mm)	46.4" (1,180)
Width – in. (mm)	20.5" (520)
Height – in. (mm)	45.3" (1,150)
Weight Crated – lbs. (kg)	175 lbs (78.9 kg)
Weight Uncrated – lbs. (kg)	154 lbs (70 kg)

***= DATA PROVIDED BY MOTOR MANUFACTURER**

NORTON SAINT-GOBAIN

CG435 GRINDER/POLISHER





Floating Body Design
- Allows grinding over rough surfaces
- Less diamond breakage/chipping



Quick Diamond Insert/Detach Plates
- Reduces labor attaching and detaching diamond tooling



Three 6" Planetary Heads
- Best grinding coverage

The flexibility of the planetary heads follow the contour of floor for a more uniform surface. Quick and easy removal and mounting of tooling is virtually effortless. The unit can be split into two pieces for transportation in smaller vehicles, up stairs or into tight work areas. The CG435 has a quick hook-up to the optional CV324 vacuum for dust control. The simple, durable design contains voltage guard, overload protection and an emergency shut off switch.

TECHNICAL SPECIFICATIONS	CG435
Product Number	701846 **30016** 2
Grinding Width – in (mm)	17-1/8" (435)
Grinding Disk Size – in (mm)	6" (155)
Number of Heads	3
Number of Tools Per Head	3
Grinder/Polisher Type	Planetary Grinder/Polisher
Plate RPM	750
Drum RPM	70
Direction of Rotation	Clockwise
Production Rate – sq ft/hr (m2/hrs)	150-250 sq ft/hr (13.9-23.2 m2/hr)
Power Source	Electric
Motor Type	Baldor
Specifications	T.E.F.C. Thermal Protection
*Maximum Horsepower**	1-3/4 HP
*Net Horsepower**	1-3/4 HP
Voltage	115 volts
Cycle/Current/Phase*	60Hz/AC/1
Full Load Amps	15 Amps
Starting Amps	71.4 Amps
Starter	Capacitor
Vacuum Port Size	2" (50)
Length – in (mm)	27.6" (700)
Width – in (mm)	17.1" (435)
Height – in (mm)	47.2" (1200)
Weight Crated – lbs. (kg)	275 lbs (124.7 kg)
Weight Uncrated – lbs. (kg)	254 lbs (115 kg)

***= DATA PROVIDED BY MOTOR MANUFACTURER**

NORTON
SAINT-GOBAIN

CG500 FLOOR GRINDER

NEW





Three Head Planetary Heads
- Wide 20" coverage for faster results



Bi-directional heads
- Ensures a smoother, level finish



Powerful 5 HP Motor
- Thermal protected strong 5 HP motor provide continuous, smooth rotation

With an ergonomic design, better weight distribution of the CG500 combined with the Norton diamond tooling offers exceptional performance to surface preparation. Being a mid-sized, bi-directional planetary grinder is perfect for small to medium size applications.

TECHNICAL SPECIFICATIONS	GC500
Product Number	701846 **43071** 5
Grinding Width – in (mm)	19.68" (500)
Grinding Disk Size – in (mm)	5.9" (150)
Number of Heads	3
Number of Tools Per Head	3
Grinder/Polisher Type	Planetary Grinder/Polisher
Plate RPM	500-1100
Direction of Rotation	Clockwise
Power Source	Electric
Specifications	T.E.F.C Thermal Protection
*Maximum Horsepower**	5 HP (4kW)
*Net Horsepower**	5 HP (4kW)
Voltage	230v
Cycle/Current/Phase*	60/1 (Motor uses 60/3)
Full Load Amps	17.6 Amps
Starting Amps	83.8 Amps
Starter	Capacitor
Vacuum Port Size	2" (50)
Length – in (mm)	45.3" (1150)
Width – in (mm)	20.9" (530)
Height – in (mm)	43.3" (1100)
Weight Crated – lbs. (kg)	395 lbs (180 kg)
Weight Uncrated – lbs. (kg)	374 lbs (170 kg)

***= DATA PROVIDED BY MOTOR MANUFACTURER**



CV324 Vacuum System

Ideal for clean and dust-free job sites. Its strong dual motor ensures extraction of dust for commercial operations. The container holds up to 10 gallons of debris and is easily removed for cleaning. The top-mounted manual shaker releases dust, extending the life of the filter.

Product Number: 701846 **30017** 9

NORTON
SAINT-GOBAIN

CG650 FLOOR GRINDER

NEW





Wide Grinding Coverage
- Operator-friendly floating head



Three Bi-Directional Heads
- Six tooling mounts per head for best performance



Balanced Design
- Reduces operator fatigue and increases comfort when polishing

If bigger is better, then the CG650 is what you need. The large 5HP motor with soft start reduces gouging and unwanted scratches during start up. It also improves grinding and polishing tool performance. And the wide frame, with three bi-directional heads, offers the widest coverage getting you on and off the job.

TECHNICAL SPECIFICATIONS	CG650
Product Number	701846 **43636** 6
Grinding Width – in (mm)	25" (650)
Grinding Disk Size – in (mm)	8.3" (210)
Number of Heads	3
Number of Tools Per Head	6
Grinder/Polisher Type	Planetary Grinder/Polisher
Plate RPM	300-1100
Direction of Rotation	Both
Power Source	Electric
Specifications	T.E.F.C Thermal Protection
*Maximum Horsepower**	5.4 HP (4kW)
*Net Horsepower**	5.4 HP (4kW)
Voltage	230v
Cycle/Current/Phase*	50/60/1
Full Load Amps	30 Amps
Starting Amps	Soft Start
Starter	Frequency Converter
Vacuum Port Size	2" (50)
Length – in (mm)	44.1" (1120)
Width – in (mm)	25.8" (655)
Height – in (mm)	53.9" (1370)
Weight Crated – lbs. (kg)	783 lbs (355)
Weight Uncrated – lbs. (kg)	705 lbs (320 kg)

***= DATA PROVIDED BY MOTOR MANUFACTURER**

NORTON

STONE AND CONCRETE MARKET

CATALOG #8063

DIAMOND AND ACCESSORY PRODUCTS



NORTON®
SAINT-GOBAIN

MIRROR FINISH RESULTS

It is no wonder grinding and polishing of concrete has become so popular. The work is labor intensive, but the ongoing durability and low maintenance pays off. And our surface preparation products and equipment will aptly help reflect the lasting beauty.



CG25S FLOOR GRINDER

For leveling or removal of coatings and adhesives on small to medium jobs, the CG25S, single 10" head floor grinder is a perfect choice.



Light Weight Design

- Compact for transportation
- Easy for professionals and do-it-yourself rentals



10" Single Grinder Head

- Good grinding coverage

TECHNICAL SPECIFICATIONS	CG25S
Product Number	701846 **30015** 5
Grinding Width – in. (mm)	10" (250)
Grinding Disc Size – in. (mm)	10" (250)
Number of Heads / Tools Per Head	1 / 1
Grinder / Polisher Type	Grinder
Grinding Head RPM	1,440
Direction of Rotation	Clockwise
Production Rate – sq ft/hr (m2/hrs)	200-400 sq ft/hr (18.5-37 m2/hr)
Power Source / Motor Type	Electric / Baldor
Maximum Horsepower* / Net Horsepower*	1-3/4 HP / 1-3/4 HP
Voltage/Cycle*/Current/Phase	115 volts/60Hz/AC/1
Full Load Amps / Starting Amps	15 Amps / 71.4 Amps
Vacuum Port Size	2" (50)
Length – in. (mm)	46.4" (1,180)
Width – in. (mm)	20.5" (520)
Height – in. (mm)	45.3" (1,150)
Weight Uncrated – lbs. (kg)	154 lbs (70 kg)

*Data provided by motor manufacturer



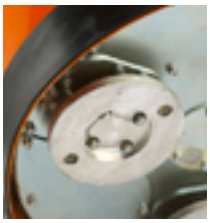
CG435 GRINDER/POLISHER

The flexibility of the planetary heads follow the contour of floor for a more uniform surface. Quick and easy removal and mounting of tooling is virtually effortless.



Floating Body Design

- Allows grinding over rough surfaces
- Less diamond breakage/chipping



Quick Diamond Insert/ Detach Plates

- Reduces labor attaching and detaching diamond tooling

TECHNICAL SPECIFICATIONS	CG650
Product Number	701846 **30016** 2
Grinding Width – in. (mm)	17-1/8" (435)
Grinding Disc Size – in. (mm)	6" (155)
Number of Heads / Tools Per Head	3 / 3
Grinder / Polisher Type	Planetary Grinder/Polisher
Plate RPM	750
Drum RPM	70
Direction of Rotation	Clockwise
Production Rate – sq ft/hr (m2/hrs)	150-250 sq ft/hr (13.9-23.2 m2/hr)
Power Source / Motor Type	Electric / Baldor
Maximum Horsepower* / Net Horsepower*	1-3/4 HP / 1-3/4 HP
Voltage/Cycle*/Current/Phase	115 volts/60Hz/AC/1
Full Load Amps / Starting Amps	15 Amps / 71.4 Amps
Vacuum Port Size	2" (50)
Length – in. (mm)	27.6" (700)
Width – in. (mm)	17.1" (435)
Height – in. (mm)	47.2" (1200)
Weight Uncrated – lbs. (kg)	254 lbs (115 kg)

*Data provided by motor manufacturer





CG500 FLOOR GRINDER

With an ergonomic design, better weight distribution of the CG500 combined with the Norton diamond tooling offers exceptional performance to surface preparation.



Three Head Planetary Heads

- Wide 20" coverage for faster results



Bi-directional heads

- Ensures a smoother, level finish

TECHNICAL SPECIFICATIONS	GC500
Product Number	701846 **43071** 5
Grinding Width – in (mm)	19.68" (500)
Grinding Disk Size – in (mm)	5.9" (150)
Number of Heads / Tools Per Head	3 / 3
Grinder / Polisher Type	Planetary Grinder/Polisher
Plate RPM	500-1100
Direction of Rotation	Clockwise
Power Source	Electric
Maximum Horsepower* / Net Horsepower*	5 HP (4kW) / 5 HP (4kW)
Voltage/Cycle*/Current/Phase	230v / 60/1 (Motor uses 60/3)
Full Load Amps / Starting Amps	17.6 Amps / 83.8 Amps
Vacuum Port Size	2" (50)
Length – in (mm)	45.3" (1150)
Width – in (mm)	20.9" (530)
Height – in (mm)	43.3" (1100)
Weight Uncrated – lbs. (kg)	374 lbs (170 kg)

*Data provided by motor manufacturer



CG650 FLOOR GRINDER

If bigger is better, then the CG650 is what you need. The large 5HP motor with soft start reduces gouging and unwanted scratches during start up.



Wide Grinding Coverage

- Operator-friendly floating head



Three Bi-Directional Heads

- Six tooling mounts per head for best performance

TECHNICAL SPECIFICATIONS	CG650
Product Number	701846 **43636** 6
Grinding Width – in (mm)	25" (650)
Grinding Disk Size – in (mm)	8.3" (210)
Number of Heads / Tools Per Head	3 / 6
Grinder / Polisher Type	Planetary Grinder/Polisher
Plate RPM	300-1100
Direction of Rotation	Both
Power Source	Electric
Maximum Horsepower* / Net Horsepower*	5.4 HP (4kW) / 5 HP (4kW)
Voltage/Cycle*/Current/Phase	230v / 50/60/1
Full Load Amps / Starting Amps	30 Amps / Soft Start
Vacuum Port Size	2" (50)
Length – in (mm)	44.1" (1120)
Width – in (mm)	25.8" (655)
Height – in (mm)	53.9" (1370)
Weight Uncrated – lbs. (kg)	705 lbs (320 kg)

*Data provided by motor manufacturer

Early Entry/Green Concrete Saw GC25EUP

The ideal saw for indoor cutting, expansion joint cleaning, crack control and other concrete surface preparation work. The GC25EUP has all the features of the GC25E, but carries a smooth running 3HP up-cut electric motor. Its vacuum port on the blade guard ensure debris is pulled out of the cut and into a collection system. Light-weight and compact, the GC25EUP is the perfect saw for any concrete surface or decorative contractor need. Each saw includes a 8" Tuck Point Diamond Blade.

UPC	MOTOR	WEIGHT	BLADE	QTY
701846 **42445** 5	Electric	115 lbs	10"	1





Compact Frame Design
- Easy transport
- Even weight distribution
- Three horse power up-cut electric motor



Vacuum Port
- Attaches to standard vacuum for debris removal



Improved Wheel Design
- Stable cutting over debris
- Helps keep saw in line of cut



Fold-Down Design
- Ideal for decorative application where space is limited getting in and out



CV324 Vacuum System

Ideal for clean and dust-free job sites. Its strong dual motor ensures extraction of dust for commercial operations. The container holds up to 10 gallons of debris and is easily removed for cleaning. The top-mounted manual shaker releases dust, extending the life of the filter.

Part Number: 701846 **30017** 9

Recommended Diamond Blades – Dry Cutting

The versatility of the GC25EUP saw allows a variety of blades and wire brushes from 6" to 10" to be used in a multitude of applications.

UPC	SIZE / DESCRIPTION
701846 **81513** 0	8 x .090 x DM-7/8-5/8 Charger Segmented Rim
701846 **81512** 3	8 x .090 x DM-7/8-5/8 Charger Turbo Rim
701846 **45138** 3	8 x .125 x DM-7/8-5/8 Segmented Rim
701846 **81780** 6	8 x .250 x 7/8-5/8-20mm Norton Classic Tuck Pointing
701846 **44208** 4	8 x .375 x 7/8-5/8-20mm Charger Segmented V-Shaped Crack Chasing



SEGMENTED



TURBO RIM



TUCK POINT



V-SHAPE

Early Entry/Green Concrete Saws GC55/GC25E

With a compact, light-weight design and the option of either gas or electric, the GC55 and GC25E early entry saws are ideal for cutting green, cured or decorative concrete as well as expansion joints. The low, wide profile of the frame along with the front mount blade, both contribute to producing a more disciplined cut. Each saw comes with a 10" GMAX Green Concrete Diamond Blade.

UPC	MOTOR	WEIGHT	BLADE	QTY
701846 **30005** 6	GC55 Gas	115 lbs.	10"	1
701846 **30004** 9	GC25E Electric	115 lbs.	10"	1





Gasoline Engine
- Mounted with the dependable Honda 5.5HP engine for best performance



Front Blade Mount
- Additional weight helps keep blade in the cut



Improved Wheel Design
- Stable cutting over debris
- Helps keep saw in line of cut



Fold-Down Design
- Easy storage and transport



Green Concrete Diamond Blades

Must have blade. Critical to results of green concrete cutting. The anchor slot core technology reduces vibration for straighter, cleaner cuts. The diamond content and bond combination allow a smooth and faster cut with long life in abrasive materials with hard aggregates.

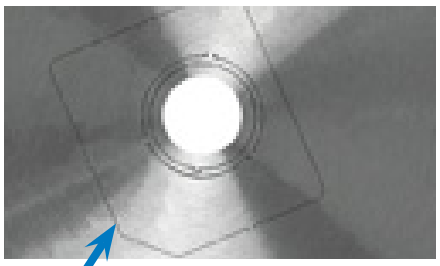
UPC	SIZE	WIDTH	ARBOR	QTY
701846 **83758** 3	8"	.095"	7/8-5/8	1
701846 **75125** 4	9"	.110"	7/8-5/8	1
701846 **84508** 3	10"	.110"	7/8-5/8	1



ANCHOR SLOT GULLET TECHNOLOGY
increases productivity by reducing vibration, for a smoother cut, while keeping the blade cool and extending life.



THICKER CORE
resists flexing and provides a straighter and faster cut for less spalling.



EXCLUSIVE UNIVERSAL ARBOR
allows the GMAX blade to be used on most early entry/ green concrete saws

PERFORMANCE **READILY AT HAND**

Having the right equipment is essential for ensuring quality results. Norton offers hand-held core drills and concrete saws that offer maximum flexibility in their design to provide optimal maneuverability and safety on job sites.

Hand-Held Core Drill HHDET1800

A light-weight and user-friendly core drill. With its "Smart Electronic" motor protection from Cardi means no overheating of electrical parts. The powerful 15 amp motor drives core bits up to 4" with ease. The HHDET1800 hand-held core drill has a single speed gear box and mechanical safety clutch. Packaged in a rugged carrying case to protect the drill during transport.





Water Attachment and Accessories

- 1-1/4-7 Male with 5/8-11 adapter
- Quick attach water accessories for wet drilling



Smart Electronics Protection

- No over heating of electrical components

TECHNICAL SPECIFICATIONS	HHDET1800
Product Number	701846 **84243** 3
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 lbs (8.1 kg)
Weight Uncrated – lbs. (kg)	12 lbs (5.4 kg)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
Accessories	
Portable Stand CD100	003100 **07829** 0
Centering Aid for CARDI	701846 **23517** 4
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

*Data provided by motor manufacturer

Hand-Held Core Drill HHDETOL

Weighing only 13 pounds, the HHDETOL is a Cardi hand-held core drill with a 15 amp motor. The "Smart Electronic" system protects it from system overload. This unit comes with a durable plastic carrying case, safety clutch, 5/8-11 threaded adapter and 1-1/4-7 threaded spindle. Ideal for electricians, plumbers and the professional contractor.





1-1/4" – 7 Spindle with 5/8-11 Threaded Adaptor

- Allows additional bit types to be used



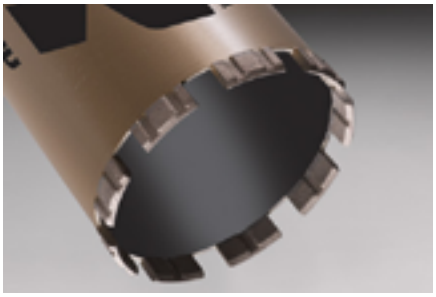
Heavy-Duty Carrying Case

- Light-weight, high-impact plastic
- Protects drill during transportation

TECHNICAL SPECIFICATIONS	HHDETOL
Product Number	701846 **00917** 1
Gears	2
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	1,180/2,150
Smart Electronics	YES
Weight Crated – lbs. (kg)	19 lbs (8.6 kg)
Weight Uncrated – lbs. (kg)	13 lbs (5.9 kg)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	1/2" to 2" (12 to 50)
Accessories	
Portable Stand CD100	003100 **07829** 0
Centering Aid for CARDI	701846 **23517** 4
Vacuum Pump for CD100	701846 **79912** 6
Core Bit Quick Release Attachment	701846 **00938** 6

*Data provided by motor manufacturer





Core Bits

X3

Unique segment geometry provides quicker penetration with exceptional cutting speed in critically hard materials using standard speed, core drill equipment.

UPC	TIER	SIZE	QTY
701846 **82797** 3	X3	1"	1
701846 **82798** 0	X3	1-1/4"	1
701846 **82799** 7	X3	1-1/2"	1
701846 **82800** 0	X3	1-3/4"	1
701846 **82801** 7	X3	2"	1
701846 **82802** 4	X3	2-1/4"	1
701846 **82803** 1	X3	2-1/2"	1
701846 **82804** 8	X3	3"	1



Charger

Laser welded segments for faster penetration in medium aggregate with reinforcement and maximum utilization of segment life.

UPC	TIER	SIZE	QTY
701846 **82778** 2	Charger	1"	1
701846 **82779** 9	Charger	1-1/4"	1
701846 **82780** 5	Charger	1-1/2"	1
701846 **82781** 2	Charger	1-3/4"	1
701846 **82782** 9	Charger	2"	1
701846 **82783** 6	Charger	2-1/4"	1
701846 **82784** 3	Charger	2-1/2"	1
701846 **82785** 0	Charger	3"	1



Norton Classic

Economical choice for use in harder concrete with heavy reinforcement and masonry materials with good performance.

UPC	TIER	SIZE	QTY
701846 **84447** 5	Norton Classic	1"	1
701846 **84448** 2	Norton Classic	1-1/2"	1
701846 **82762** 1	Norton Classic	2"	1
701846 **82763** 8	Norton Classic	2-1/4"	1
701846 **82764** 5	Norton Classic	2-1/2"	1
701846 **82765 2**	Norton Classic	3"	1

PART OF **THE DAILY GRIND**

Tools designed to work hard so you don't have to. You get an optimized unit pressure with improved surface finish minus the deep gouges. So, you get work done faster with less surface removed for a smoother floor to be polished.



FEATURES AND BENEFITS

- Unique bond and diamond specification designed for hardness and abrasiveness of concrete.
- Specific diamond segment geometry to optimize unit pressure and improve surface finish and prevent deep gouges.
- Tapered and beveled tools (Quick Change System) for quick and easy changing of tools.
- Serrated segment tops for quick early grinding. No break in period.
- Color coded by grit for easy identification.
- Packed 3 per box for either 3 or 4 head grinders.

GRIT SIZES

18/20 – Aggressive diamond tool for heavy stock removal and/or cure and seal coatings.

30/40 – Coating removal of 0.5-10 mm. Generally first stage tool for polishing a rough concrete slab.

60/80 – Initial polishing tool for new concrete. Will prepare surface for acid staining or thin sealants.

120/150 – The final grit prior to changing to resin polishing tools or where a smooth open concrete surface is required.

Abrader Metal Bond Diamond Tools

Rectangle Segment

The rectangle shaped segments are the softest bond and are designed for very hard concrete. The ridged shape of the rectangle improve grinding capabilities and ensure fast stock removal. Suggested for surfaces with a large percentage of chert, flint, gabbro and other hard materials.

Boomerang Segment

The boomerang shaped segments are designed for medium hardness floors. The shape and specification are considered universal due to its versatility on a wide range of surfaces especially on granite, quartzite and river gravel to name a few. Having a boomerang shape allows the segment to cut quickly while removing *swarf* away from the segment to ensure a continuous cutting action.

Button Segment

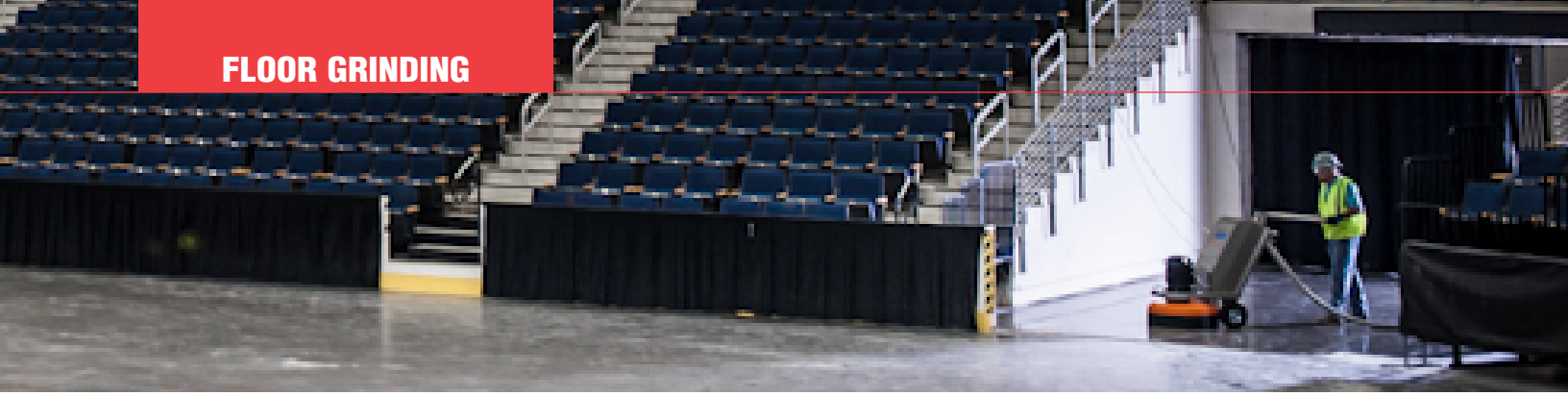
The hardest of segments, the Abrader button segment is designed to remove stock and level abrasive floors quickly and extends life in very abrasive concrete. A full circular shape provides a smooth entry into the surface. It protects the floor from being gouged unlike other stock removing bits with sharp edges. Thus allowing you to get the work done faster with a minimum of surface removal leaving a smooth level floor to be polished.

UPC	PART #	GRIT	QTY
Rectangle Segment			
701846 **45492** 6	FGW 3-PACK HARDFLOOR QCS	18/20 SILVER	3
701846 **43705** 9	FGW 3-PACK HARDFLOOR QCS	30/40 GREY	3
701846 **43706** 6	FGW 3-PACK HARDFLOOR QCS	60/80 BROWN	3
701846 **43707** 3	FGW 3-PACK HARDFLOOR QCS	120/150 BLACK	3
Boomerang Segment			
701846 **45494** 0	FGW 3-PACK UNIVERSAL QCS	18/20 SILVER	3
701846 **43708** 8	FGW 3-PACK UNIVERSAL QCS	30/40 GREY	3
701846 **43709** 7	FGW 3-PACK UNIVERSAL QCS	60/80 BROWN	3
701846 **43710** 3	FGW 3-PACK UNIVERSAL QCS	120/150 BLACK	3
Button Segment			
701846 **45493** 3	FGW 3-PACK SOFTFLOOR QCS	18/20 SILVER	3
701846 **42896** 5	FGW 3-PACK SOFTFLOOR QCS	30/40 GREY	3
701846 **42897** 2	FGW 3-PACK SOFTFLOOR QCS	60/80 BROWN	3
701846 **42898** 9	FGW 3-PACK SOFTFLOOR QCS	120/150 BLACK	3

TECH*tip*

Remember to utilize our conversion plates so the diamond tooling can be inserted and removed easily without the use of screws.



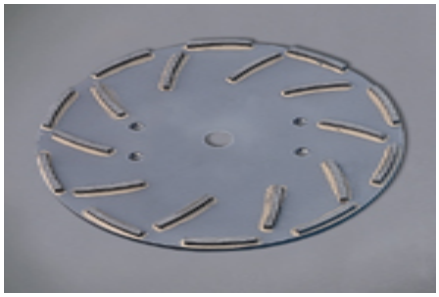




Metal Bonded Diamond Tool Conversion Plate

The unique metal bonded conversation plate is machined to hold Norton tooling without the use of screws or other mechanical devices. The arbor configuration fits many machine models on the market. The three mounting holes in the plate allow the plate to be mechanically fastened to the bottom of any machine. Other plates available to fit most machines on the market.

PART NUMBER	MACHINE	MODEL #'S	PLATE DIAMETER	QTY
701846 **28588** 9	HTC	2500ix, 1500 ixT, 950RX, 800HDX & 800HD	10-5/8"	9
701846 **30932** 5	HTC	650HDX, 500	8-5/8"	1
701846 **30342** 2	SASE	780	9"	1
701846 **28588** 9	CPS	G-320, G-250 & G-250XT	10-5/8"	1
701846 **30933** 2	Innovatech	P-3200	10-1/2"	1
701846 **30496** 2	Prepmaster	STI3030	14"	1



Grinder Heads

High quality diamond and bond combination designed for long life and fast cut. Ten segment grinder heads are ideal for fast surface removal, while the 20 segment head produces a smooth, fine surface.

UPC	PART #	DESCRIPTION	NO OF SEGMENTS	QTY
701846 **49531** 8	30120018	For fast removal	10	1
701846 **49529** 5	30120026	For smooth finish	20	1



Dyma-Serts

A 30 grit metal bonded diamond insert created to smooth trowel marks, grind concrete imperfections, removal of epoxy coatings or urethane and leveling high spots or sharp aggregates from surface in a wet or dry process. The unique diamond and bond specification increase performance by as much as five (5) times the life span of the standard grinding stones typically used in surface removal applications. The locking pin ensures the Dyma-Serts are securely fitted to the rubber backer for quick insert or removal from the grinder head.

UPC	DESCRIPTION	GRIT	QTY
701846 **44956** 4	Dyma-Sert, Rubber Backer, Plastic Wedges, Case	30	3

ADDING A **SUPERIOR SHINE**

Initial price or maximum productivity, we offer options for any level of polishing for the application need. In the end, they all deliver a long-lasting shine at the desired sheen.



6 Dot Resin Bonded Diamond Tools

The 6 Dot Resin bonded diamond tools are our standard offering for concrete polishing. Offered in 100 – 1500 grit these tools will provide a superior finish and long life. The 6 Dot are also very good for harder aggregates with the unit pressure of the tools polish even the hardest floors.

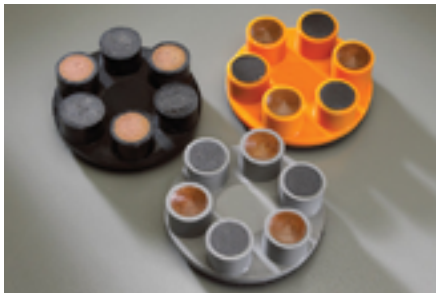
UPC	PART #	GRIT / COLOR	QTY
701846 **28551** 3	28551	100 / Black	9
701846 **28552** 0	28552	200 / Blue	9
701846 **28553** 7	28553	400 / Red	9
701846 **28554** 4	28554	800 / White	9
701846 **28555** 1	28555	1500 / Yellow	9

FEATURES AND BENEFITS

- Economically priced
- Good stock removal for effective closure at each grit level
- Produces a long-lasting shine
- Area coverage/cost ratio is very competitive

RESIN BONDED TOOL GRIT SIZES

GRIT / COLOR	APPLICATION
6 Dot Diamond Tools	
100 Grit (Black) ●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue) ●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red) ●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White) ○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow) ●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.



T2 Resin Bonded Polishing Tool

The mixed bond of the T2 range ensures a very fine scratch pattern profile in relation to a standard metal bond segment where the concrete or terrazzo surface is smooth trowelled or has already been leveled with a coarse metal bond tool. The T2 leaves the perfect surface for either closed matte finishing or polishing with the minimum number of stages.

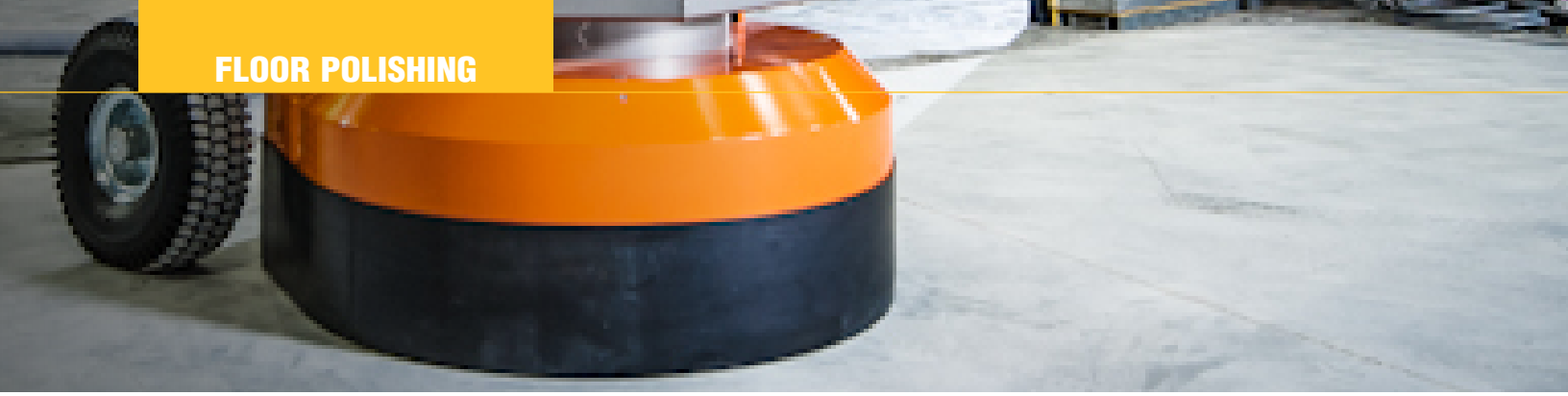
UPC	PART #	GRIT / COLOR	QTY
701846 **28548** 3	28548	40 / Gray	9
701846 **28549** 0	28549	80 / Orange	9
701846 **28550** 6	28550	120 / Black	9

FEATURES AND BENEFITS

- High stock removal
- Provides a closed matte surface at 80 grit
- Provides a closed silk finish at 120 grit

RESIN BONDED TOOL GRIT SIZES

GRIT / COLOR	APPLICATION
T2 Polishing Tools	
40 Grit (Gray) ●	Initial polishing following coarse metal bond tool.
80 Grit (Orange) ●	Initial polishing following 40 grit metal bond tool or first cut on smooth concrete floor.
120 Grit (Black) ●	Initial polishing tool following 80 Grit metal bond tool or first cut on smooth concrete floor.





High Performance Resin Bonded Diamond Tools

The High Performance Resin bonded tools offer superior gloss and product life. The unique all resin/diamond construction of the High Performance tooling allows you to polish at the highest speeds on the heaviest machines. You can polish faster with gloss results second to none.

UPC	PART #	GRIT / COLOR	QTY
701846 **28556** 8	28556	100 / Black	9
701846 **28557** 5	28557	200 / Blue	9
701846 **28558** 2	28558	400 / Red	9
701846 **28559** 9	28559	800 / White	9
701846 **28560** 5	28560	1500 / Yellow	9

FEATURES AND BENEFITS – High Performance Resin Bonded

- Long life
- Low incidence of swirl/ghost marks
- Cool running allows use on epoxy terrazzo up to 800 grit
- High shine performance at 1500 grit
- No kaleidoscopic scratches at any speed

RESIN BONDED TOOL **GRIT SIZES**

GRIT / COLOR	APPLICATION
High-Performance Tools	
100 Grit (Black) ●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue) ●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red) ●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White) ○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow) ●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.



Resin Bonded Diamond Tool Conversion Plate

Our unique metal bond tool conversion plates are designed to hold our diamond tools without the use of screws. The tools slide into the beveled and tapered slots on the plate for easy installation and change over. We offer a variety of arbor configurations to fit most of the popular machines on the market.

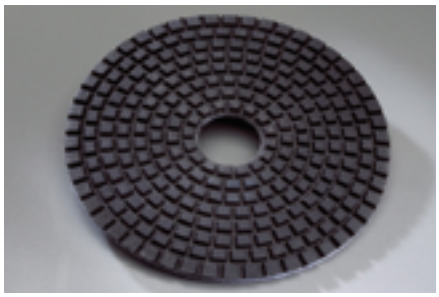
UPC	PART #	SIZE	QTY
701846 **29013** 5	29013	270 x 5mm	1

UPC	PART #	DESCRIPTION	QTY
Resin Bond Inserts			
701846 **30931** 8	30931	For 6 Dot Resin & T2 Combination Tools	1
701846 **30930** 1	30930	For High Performance Resin Tools	1

TECH*tip*

Our high performance resin bonded diamond tools are designed for heavy machines. They excel at the highest speeds.





5" Hook & Loop Resin Bonded Edging Pad

The 5" hook & loop resin bonded edging pad is used to polish the perimeter of the work space along with hard-to-reach areas. Using the same durable bonding system as our resin tools, the edging pad offers long life and superior finish. Our grit range is from 60 to 3,000. The pad fits all 5" Velcro backup pads for most 5" right angle grinders.

UPC	PART #	GRIT	QTY
701846 **28561** 2	28561	60	1
701846 **28562** 9	28562	100	1
701846 **28563** 6	28563	200	1
701846 **28564** 3	28564	400	1
701846 **28565** 0	28565	800	1
701846 **28566** 7	28566	1500	1
701846 **28567** 4	28567	3000	1



4" Hook and Loop Resin Bonded Edging Discs

Hook and loop back, high performance, small diameter resin bonded edging discs are ideal for counter top polishing, stairwell steps and other areas where there may be space restrictions that need polishing. Our bond and diamond specification ensure the very minimum of removal leaving a smooth flawless surface.

UPC	COLOR	SIZE	GRIT	QTY
701846 **45013** 3	Blue	4"	50	10
701846 **45014** 0	Yellow	4"	100	10
701846 **45015** 7	Orange	4"	200	10
701846 **45016** 4	Red	4"	400	10
701846 **45017** 1	Green	4"	800	10
701846 **45018** 8	Teal/Lt. Blue	4"	1500	10
701846 **45019** 5	Tan	4"	3000	10
701846 **45020** 1	White	4"	Buff	10
701846 **45021** 8	Black	4"	Buff	10
701846 **45022** 5		4"	Kit	1

*KIT INCLUDES: ONE EACH OF THE RESIN DISCS, WHITE BUFF PAD AND BLACK BUFF PAD



ULTIMATE PROTECTION THAT LASTS

Unsurpassed technology makes our maintenance products top of the line for concrete and natural stone floors. From deep cleaning to regular maintenance cleaning, we have an answer to reflect a lasting impression.



FEATURES AND BENEFITS

- No harsh coatings required
- System can be used with an auto scrubber, even dry
- No need for specialized contractors to perform the cleaning process
- Provides a more consistent finish on a variety of surfaces
- Minimizes heat build-up on dry applications resulting in a higher gloss

DIAMOND PAD PERFORMANCE DATA

PAD	TIME LASTED	AREA POLISHED
COARSE	3 hrs 30 min	23,589 sq. ft
MEDIUM	6 hrs 50 min	48,589 sq. ft
FINE	9 hrs 10 min	64,777 sq. ft
VERY FINE	9 hrs 10 min	64,777 sq. ft

Internal testing performed on a polished concrete floor.

TECH*tip*

These pads are ideal for marble and terrazzo for both deep cleaning/ renovating and standard maintenance to keep the shine. However, these pads are not recommended for granite.

Coarse

The coarse diamond maintenance pad is perfect for cleaning and resurfacing concrete or natural stone floors. It works very well for floors that are very dirty with light surfaces scratches. The coarse grit pad should be followed by the medium pad as you re-surface the floor.

UPC	SIZE	QTY
701846 **43513** 0	7"	2
701846 **43517** 8	13"	2
701846 **41575** 0	17"	2
701846 **41579** 8	20"	2
701846 **44146** 9	27"	2

Medium

The medium grit pad is the second step to re-surfacing a natural stone or concrete floor following the coarse pad. It can also be the starting pad if the floor is slightly dirty with faint surface scratches.

UPC	SIZE	QTY
701846 **43514** 7	7"	2
701846 **43518** 5	13"	2
701846 **41576** 7	17"	2
701846 **41580** 4	20"	2
701846 **44147** 6	27"	2

Fine

The fine grit pad is the third step in the re-surfacing of a natural stone or concrete floor following the Medium grit. Can also be used a maintenance pad on most surfaces to keep the shine of the floor on a regular basis.

UPC	SIZE	QTY
701846 **43515** 4	7"	2
701846 **43519** 2	13"	2
701846 **41577** 4	17"	2
701846 **41581** 1	20"	2
701846 **41583** 5	27"	2

Very Fine

The very fine grit pad is the final step in the re-surfacing of a natural stone or concrete floor following the Fine grit pad. It is also the recommended pad for on-going maintenance of the floor to keep the shine level of the floor on a regular basis.

UPC	SIZE	QTY
701846 **43516** 1	7"	2
701846 **43520** 8	13"	2
701846 **41578** 1	17"	2
701846 **41582** 8	20"	2
701846 **41584** 2	27"	2

Assorted Packs

Perfect for applications where only a few pads are needed to get the job done. Available in the two most popular sizes, the assorted packs contain one each of the grit types; coarse, medium, fine and very fine.

UPC	SIZE	QTY
701846 **41589** 7	17"	4
701846 **41590** 3	20"	4

PROLONGING THE LIFE OF YOUR FLOORS
WHILE PROTECTING THE ENVIRONMENT

Norton has partnered with Convergent Concrete Technologies to enhance our Natural Stone Care product line by introducing a line of co-branded floor coatings. They conform to “Green Leaf/LEED Qualifying.” They are environmentally-friendly and require no special or hazardous disposal methods. Each unique formula configuration provides a finish that protects against stains and surface wear, prolonging the life of the floor.



Impregnator (HD)

Hardener/Densifier for use in the grinding and polishing process (metal/resin bonded abrasives) of concrete and terrazzo surfaces. Ideal for repolishing and restoring worn and damaged surfaces.

UPC	PART #	DESCRIPTION	QTY
701846 **30564** 8	30564	1 Gallon	1
701846 **30565** 5	30565	5 Gallon	1



Protector (Non-Porous)

Advanced, high gloss, stain and wear protection finish for non-porous, highly polished surfaces (1500 grit profiles and above). Great for protecting newly polished concrete, factory-finished stone and terrazzo floors.

UPC	PART #	DESCRIPTION	QTY
701846 **30570** 9	30570	1 Gallon	1
701846 **30571** 6	30571	5 Gallon	1

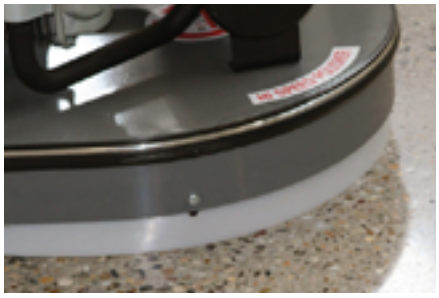


Restorer (Polish)

High gloss protective stain treatment that delivers a rapid shine development with increased abrasion and stain protection. Restores the “wet look” to polished or finished concrete floors.

UPC	PART #	DESCRIPTION	QTY
701846 **30574** 7	30574	1 Gallon	1
701846 **30575** 4	30575	5 Gallon	1

*Coatings may be purchased in 55 gallon drums and 275 gallon totes upon request.



PERFORMANCE TIP
NATURAL STONE CARE

Coatings need to be applied in thin even layers on the floor surface. Depending on coverage area, you may want to apply coating with pump up or low pressure sprayer. We recommend that once the coating is sprayed on to the floor, that a pre dampened micro-fiber pad is used to ensure that the surface is completely covered and coating is spread consistently and evenly on floor surface.

NORTON
SAINT-GOBAIN

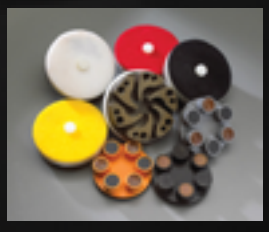
AT THE END OF THE DAY, **IT'S THE QUALITY OF THE FINISH THAT REFLECTS ON YOU.**

And, you want the first impression to be a lasting impression.

With Norton diamond grinding and polishing products, we can help you meet your customer's expectations and maintain them. No matter the floor density, our technologically advanced resin bonds create a mirror finish. And our new coating systems will provide an ongoing shine.

When it's your reputation on the line, don't settle for less. Choose Norton.





www.**nortonconstructionproducts.com**

NORTON | STONE AND CONCRETE MARKET



2 WALK-BEHIND EQUIPMENT AND ACCESSORIES
6 HAND-HELD EQUIPMENT AND ACCESSORIES
8 FLOOR GRINDING
10 FLOOR POLISHING
13 FLOOR MAINTENANCE



Grinders/Polishers That Reflect Your Passion

Choose from several of our Norton Clipper grinders or polishers that will drive tooling to a mirror finish.



Surface Preparation Made Easy With the GC25EUP

A saw like no other in the market to expedite the process of grout cleaning or reconditioning. Taking refurbishing old floors to new levels.



Floor Preparation Tools To Achieve Perfection

The Abrader Metal Bonded Tools with their unique shape and diamond/bond configuration increase life and performance for the best results in leveling floors.



The Right Diamond For The Right Shine

High gloss shines that will last even in heavy traffic areas with our High Performance Resin Bonded Diamond Tools.



Maintaining That First Impression Of Your Natural Stone and Concrete Floors

The Norton Diamond Floor Pads ensure your floors are the first thing seen when walking through the door.



Eco-Friendly Coatings To Enhance A Shine and Protect Your Investment

Norton has teamed up with Convergent Concrete Technologies giving you all the muscle you need when keeping your floors healthy and shiny.

ALL THE **MUSCLE** YOU NEED.™

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PRIMARY SPONSOR

SAINT-GOBAIN

NORTON SAINT-GOBAIN GMAX™

REDEFINING EARLY ENTRY DIAMOND BLADES

Quality, Convenience, Performance.

NORTON GMAX EARLY ENTRY/GREEN CONCRETE DIAMOND BLADES

Early entry saws are a critical component for a contractor to get on and off the concrete slab but the diamond blade is the key to successful green cutting. The thicker core resists flexing and provides a straighter and faster cut for less spalling. The anchor slot gullet technology increases productivity by reducing vibrations for a smoother cut while keeping the blade cool extending life. The exclusive universal arbor allows the GMAX blade to be used on most early entry/green concrete saws in the market today, reducing blade inventory for contractors with multiple saw types.



ALL THE **MUSCLE** YOU NEED™

TM

NORTON SAINT-GOBAIN®

NORTON SAINT-GOBAIN GMAX™

EARLY ENTRY/GREEN CONCRETE DIAMOND BLADES



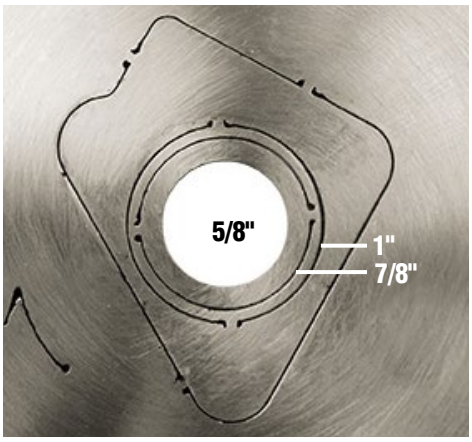
Anchor Slot Gullet Technology

Increases productivity by reducing vibration, for a smoother cut, while keeping the blade cool and extending life.



Thicker Core

Resists flexing and provides a straighter and faster cut for less spalling.



Unique Triple Knockout Arbor

Featuring a triple knockout arbor on 8", 10", and 13.5" blade and 5/8" and 7/8" knockout on the 6" blade to fit most early entry/green concrete saws.

FEATURES	BENEFITS
Universal Arbor	Will fit most saws including Soff-Cut®
Anchor Slot Gullet	Reduces vibration reducing the possibility of spalling
Unique Segment Specifications	Blades designed for specific aggregate hardness and type
Various Sizes	Available in most application sizes for early entry/green concrete cutting

UPC	SIZE	MAX RPM	SEGMENT SPEC	POWER
GMAX – HARD AGGREGATE BLADES				
701846 **41868** 3	6" x .110 x 1-7/8-5/8	10185	0.350"	4.3hp
701846 **41863** 8	8" x .110" x 1-7/8-5/8	7640	0.350"	6hp
701846 **41860** 7	10" x .110 x 1-7/8-5/8	6115	0.350"	13hp
701846 **41869** 0	13.5" x .125 x 1-7/8-5/8	4365	0.350"	23hp



UPC	SIZE	MAX RPM	SEGMENT SPEC	POWER
GMAX – MEDIUM/HARD AGGREGATE BLADES				
701846 **41867** 6	6" x .110 x 1-7/8-5/8	10185	0.350"	4.3hp
701846 **41864** 5	8" x .110" x 1-7/8-5/8	7640	0.350"	6hp
701846 **41862** 1	10" x .110 x 1-7/8-5/8	6115	0.350"	13hp
701846 **41870** 6	13.5" x .125 x 1-7/8-5/8	4365	0.350"	23hp



UPC	SIZE	MAX RPM	SEGMENT SPEC	POWER
GMAX – MEDIUM/SOFT AGGREGATE BLADES				
701846 **41866** 9	6" x .110 x 1-7/8-5/8	10185	0.350"	4.3hp
701846 **41865** 2	8" x .110" x 1-7/8-5/8	7640	0.350"	6hp
701846 **41861** 4	10" x .110 x 1-7/8-5/8	6115	0.350"	13hp
701846 **41871** 3	13.5" x .125 x 1-7/8-5/8	4365	0.350"	23hp



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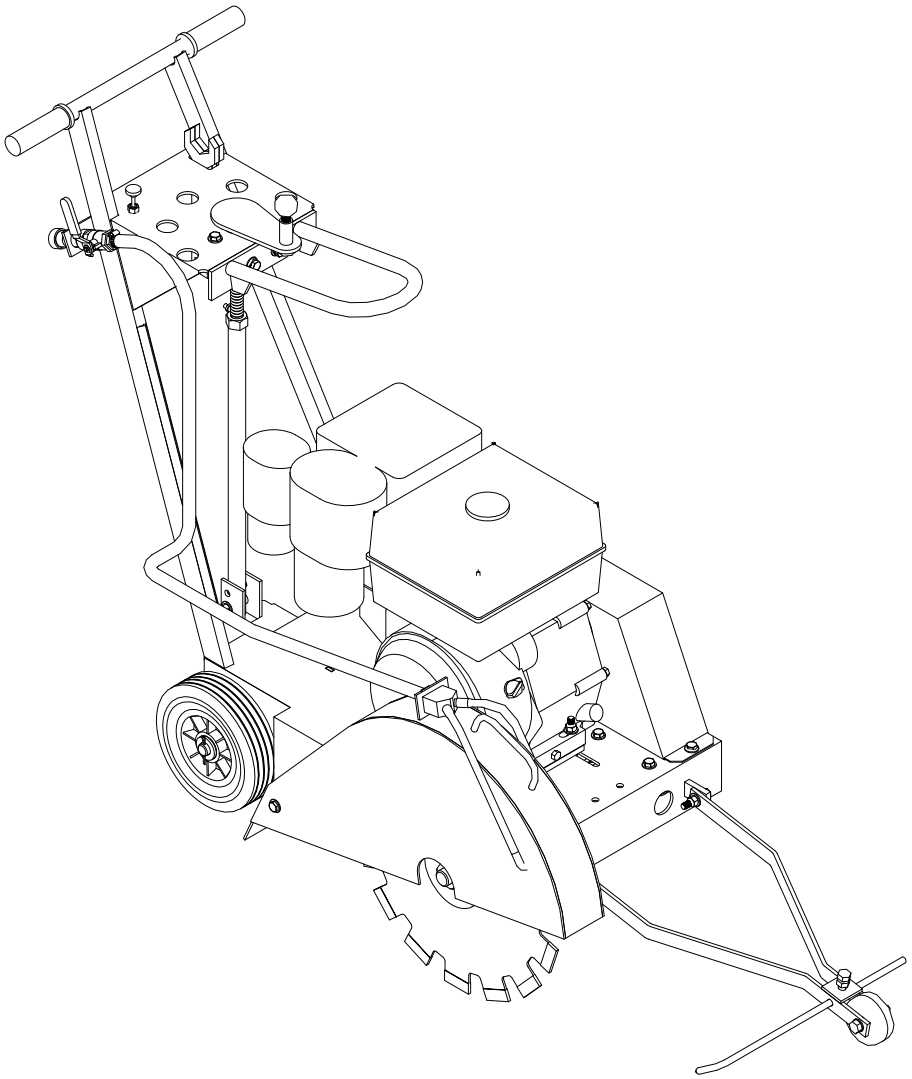
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PRIMARY SPONSOR

SAINT-GOBAIN

OWNERS MANUAL

Small Concrete Saw



Models:

C13PE and C14PE

NORTON SAINT-GOBAIN

clipper

FORM: C13PE rev 3-2013

WARRANTY

Norton warrants all products manufactured by it against defects in workmanship or materials for a period of one (1) year from the date of shipment to the customer.

The responsibility of Norton under this warranty is limited to replacement or repair of defective parts at Norton's Gainesville, Georgia factory, or at a point designated by it, of such part as shall appear to us upon inspection at such point, to have been defective in material or workmanship, with expense for transportation borne by the customer.

In no event shall Norton be liable for consequential or incidental damages arising out of the failure of any product to operate properly.

Integral units such as **gasoline engines**, **electric motors**, **batteries**, **tires**, **transmissions**, **etc**., are excluded from this warranty and are subject to the prime manufacturer's warranty.

This warranty is in lieu of all other warranties, expressed or implied, and all such other warranties are hereby disclaimed.

Important: Before placing equipment in operation, record the following information.

MODEL:_____ SERIAL NO._____

PURCHASE FROM: _____

ADDRESS: _____

CITY_____ STATE _____ ZIP _____

TELEPHONE NO. _____

Before using this equipment, make sure that any person using it reads and understands the instructions in this owner's manual.

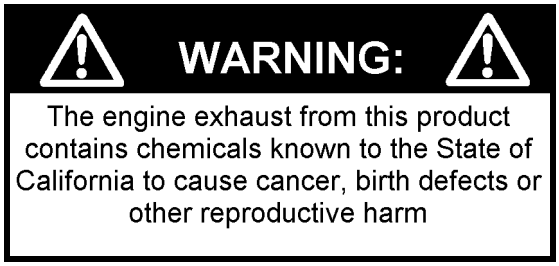


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Read Owners Manual Before Use

Safety Alert Symbol: Information Following This Symbol Is Very Important.

Use Only Norton Diamond Blades

I. PREPARATION

A. Safety Precautions

Important! The following safety precautions must always be observed.

Hazard Symbols



Fuel (gasoline) is extremely flammable and its vapors can explode if ignited. Store gasoline only in approved containers, in well-ventilated, unoccupied approved areas, and away from sparks or flames. Do not fill the fuel tank while the engine is hot or running. Do not start the engine near spilled fuel. Never use the fuel as a cleaning agent



Engine components can get extremely hot from operation. To prevent burns, do not touch the engine or related parts while the engine is running or immediately after it is turned off. Never operate the engine with any heat shields or guards removed.



Keep all guards in place when operating any piece of equipment



Keep hands, feet, hair, and clothing away from all rotating parts



Lethal Exhaust Gas: use only in well ventilated areas. Engine exhaust gases contain poisonous carbon monoxide, which is odorless, colorless, and can cause death if inhaled. Avoid inhaling exhaust fumes, and never run the engine in a closed building or confined area.



Never tamper with the governor components of settings to increase the maximum speed. Severe personal injury and damage to the engine or equipment can result if operated at speed above maximum. Always obey the maximum speed rating of blade.



DO NOT LIFT THE SAW BY THE HANDLE BARS

⚠ WARNING

Dust and Silica Warning

Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheet and/or consult your employer, the material manufacturer/supplier, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials and make certain to comply with all product warnings and instructions for the safe and effective use of the material being cut. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturer/supplier, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet cutting is feasible. When the hazards from inhalation of dust, mists and fumes cannot be eliminated through engineering controls such as vacuum and/or water mist, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the material being cut.

Use Approved:



Eye Protection



Hearing Protection



Respiratory Protection



Head Protection

1. **Before mounting any blade on the saw, the blade should be inspected for any damage which might have occurred during shipment, handling or previous use.**
2. **The blade collars and arbors should be cleaned and examined for damage before mounting the blade.**
3. **The blade must be properly fitted over the arbor with the drive pin on the outside collar projecting through the drive pin hole on the blade and inside collar.**
4. **The blade shaft nut, which is a left-hand thread nut, must be tightened securely against the outside blade shaft collar.**
5. **The blade must be operated within the specified maximum operating speed listed on the blade.**
6. **Turn water control valve to full to provide adequate coolant (4 to 6 gallons per minute) for diamond blades and wet cutting abrasive blades. Insufficient coolant could result in severe blade breakage or diamond segment separation.**
7. **The blade guard must be in place with the nose guard down and locked when the saw is running.**
8. **The operator should wear safety glasses and any other appropriate safety equipment.**
9. **When starting the saw, the operator should stand away and to the side of the blade.**
10. **If for any reason the saw should stall in the cut, raise the blade out of the cut. Check the outside blade shaft collar and nut for tightness. Inspect the blade for damage before restarting the saw. Use caution when resuming a cut. Be certain that the blade is in alignment with the previous cut.**
11. **During cutting operations do not exert excess side pressure on the handles as a method of steering. Do not force the blade into the cut by lowering the blade too fast or by pushing the saw too fast.**



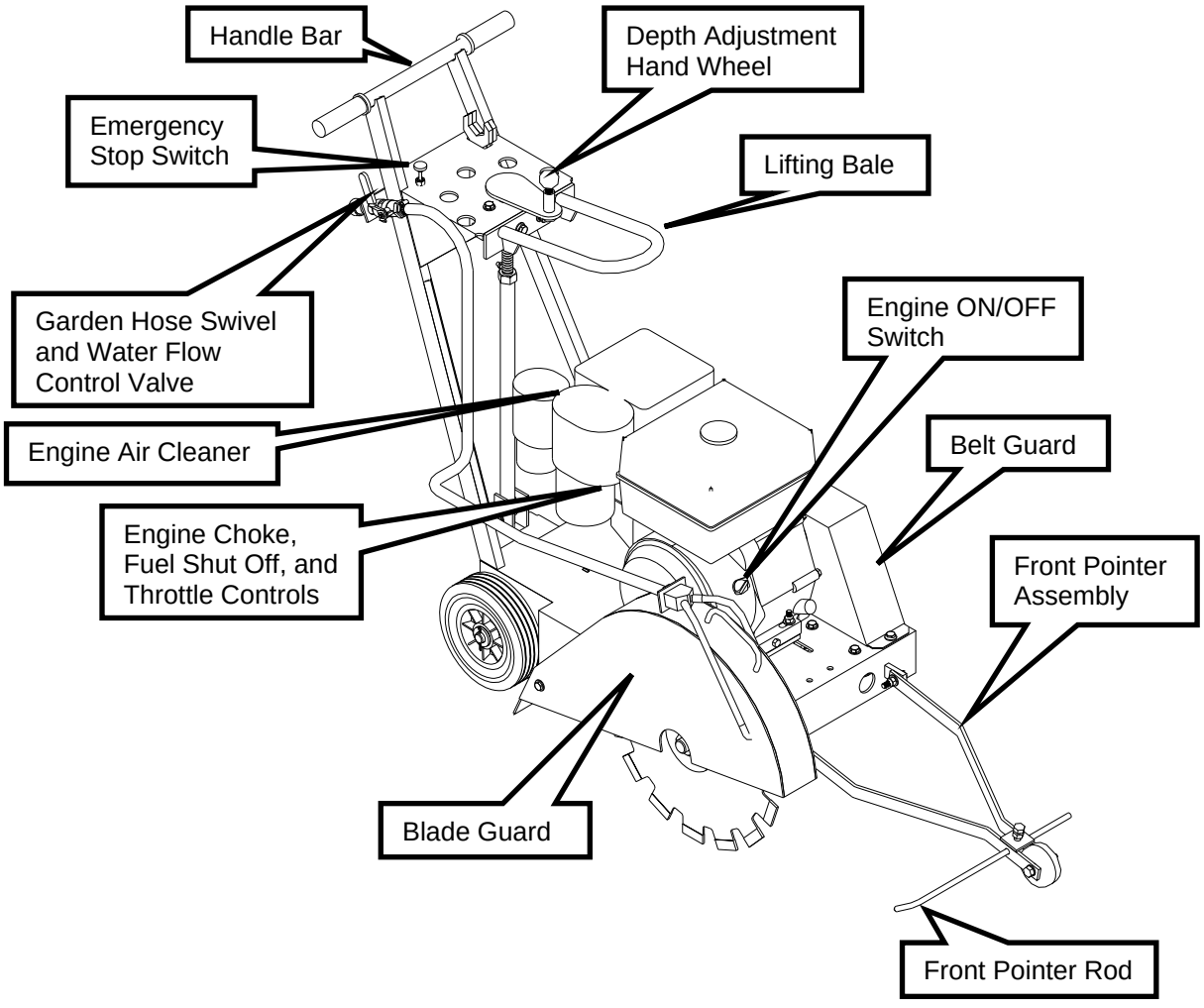
You Are Responsible For Your Safety!!!

I. PREPARATION

B. Assembly

The C13PE compact concrete saw is shipped completely assembled and ready for use except for diamond blade, gasoline, and oil. Inspect the saw for shipping damage. If any damage is found, contact the shipper immediately and file a freight claim. Norton Clipper is not responsible for any freight-related damages.

Remove the saw from the pallet. Inspect the machine for concealed shipping damaged. Read and understand ALL instruction included in this manual. Failure to understand and follow the instruction covered in this manual can result in injury or damage to the machine. Level the cutting frame and check the engine oil level and add if required (See Engine Manual) and add fuel (See Engine Manual).



C. C13PE Series Concrete Saw Specifications

	C13PE	C14PE
Dimensions/Weight		
Length (Working)	63" (1,600mm)	63" (1,600mm)
Length (Transport)	42-3/4" (1,086mm)	42-3/4" (1,086mm)
Width	21-27/64" (544mm)	21-27/64" (544mm)
Height	38-13/16" (986mm)	38-13/16" (986mm)
Weight	220 lbs (100 kg)	220 lbs (100 kg)
Engine		
Engine Mfg.	Honda	Subaru
Model	GX390	EX40
Spec No.	GX390UT2QXC9	EX400D50140
Engine Type	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Horse Power - Gross	13 hp* (9.5kW) @ 3,600 rpm	14 hp* (9.5kW) @ 3,600 rpm
Max Torque – Gross	19.5 ft-lbs (26.5 Nm, 2.7 kg-m) @ 2,500 rpm	19.91 ft-lbs (27 Nm, 2.75 kg-m) @ 2,400 rpm
Cooling System	Air	Air
Oil Capacity	1.16 US qt (1.1 liter)	1 US qt (1.2 liter)
Fuel Capacity	1.79 US gal (6.5 liter)	1.85 US gal (7.0 liter)
Fuel Type	Unleaded Gasoline (86 pump octane)	Unleaded Gasoline (86 pump octane)
Low Oil Sensor	Yes	Yes
Air Filtration	Three Stage Cyclone	Three Stage Cyclone
Characteristics		
Max Blade	∅18” (450 mm)	∅18” (450 mm)
Depth of Cut 18” (406 mm)	6.75” (172 mm)	6.75” (172 mm)
16” (406 mm)	5.75” (146 mm)	5.75” (146 mm)
14” (356 mm)	4.75” (121 mm)	4.75” (121 mm)
12” (305 mm)	3.75” (95 mm)	3.75” (95 mm)
Arbor Bore	1” (25.4 mm)	1” (25.4 mm)
Blade Shaft Locking Device	Machined Into Flats Of Tight Collar	Machined Into Flats Of Tight Collar
Blade Shaft Speed	2,700 rpm	2,700 rpm
Depth Control	Hand Wheel With Screw Feed	Hand Wheel With Screw Feed
Depth Lock	Standard	Standard
Depth Gauge	Customer Installed Accessory	Customer Installed Accessory
Number Of Belts	Three (3) 3VX300 Belts	Three (3) 3VX300 Belts
Blade Guard Type	Hinged, All Steel Construction	Hinged, All Steel Construction
Side of Cut	Right	Right
Lifting Bale	Yes	Yes
Water Hose Connector	Standard Garden Hose With Flow Control Valve	Standard Garden Hose With Flow Control Valve
Recessed Rear Wheels	Standard	Standard

* = Horse power and Torque ratings are Gross Horse power and are supplied by the engine manufacturer. Actual output of the engine will vary due to many factors including operational speed of engine, environmental conditions, maintenance, fuel, and other variables. Saint-Gobain Abrasives, Inc. makes NO claim to actual or gross horse power and torque ratings.

D. Engine Precautions

Prior to attempting to operate the engine, read the information contained in the engine owner's manual. An engine owner's manual is supplied with every gasoline powered concrete saw.

1. **Check Oil:** Add oil if low. Refer to the engine owner's manual for the recommended SAE viscosity grades. Capacity of oil is 1.16 US quarts (1.1 liters)

2. **Check Fuel:** Fill if low. Use only unleaded gasoline with a pump sticker octane rating of 86 or higher is recommended. **Never use an oil and gasoline mixture!**

3. **Air Cleaner:** Never run the engine without the air cleaner! Rapid engine wear will result from contaminants being drawn through the carburetor and into the engine.

4. **Engine Starting:** Refer to the engine owner's manual additional proper engine starting procedure.

E. Pointer Alignment

1. Use a straight edge, and carefully mark a line 12 feet long on a smooth level surface.

2. Place the saw blade on the marked line, move the saw to the center of the marked line and then lower the blade until it is about 1/16" above the marked line

3. Measure from each end of the saw frame to insure that the frame is parallel to the marked line. Adjust the saw as needed.

4. With the blade centered on the marked line and the saw frame parallel to the marked line, lower the front pointer.

5. Adjust the pointer by bending it until is aligned with the marked line.

II. OPERATION

A. Blade Installation

1. Disconnect the spark plug.

2. Remove the blade shaft nut, (Turn clockwise)**,** and remove the outside collar.

3. Clean off any foreign particles on the clamping surfaces of both collars and on the mounting surface of the blade.

4. Place the blade on the blade shaft, lining up the drive pin hole in the blade with the drive pinhole in the inside collar.

For Best Performance Use Only Norton Diamond Blades Specified For the Material Being Cut.

5. Slide the outside blade shaft collar onto the blade shaft. The drive pin on the outside collar must project through the drive pin hole in the blade and into the inside collar.

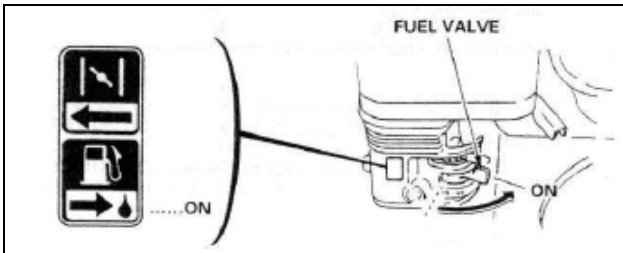
6. Tighten the blade shaft nut (counter-clockwise) securely against the outside collar.

7. Reconnect the spark plug.

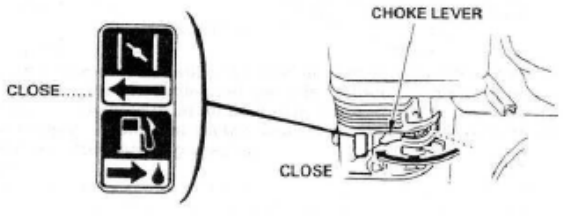
B. Starting the Engine
C13PE 13HP Honda

1. Refer to the engine owner's manual for detail starting procedures.
2. Always cut with engine rpm in the full throttle setting.

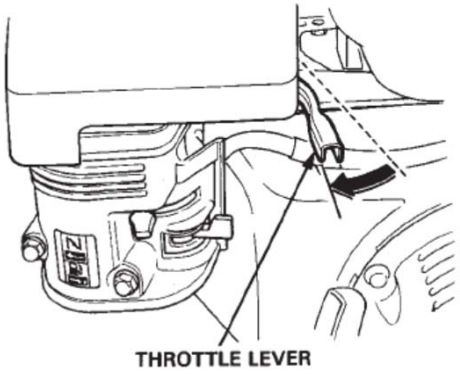
Before starting, insure that the blade is properly installed, all guards are in place and in safe operating condition, and that the Blade is not in contact with any surface or object. Also verify that the area where the work is to be preformed is clean, safe, and has proper ventilation and lighting. Always located and properly mark all water, gas, and electrical services before beginning any work.



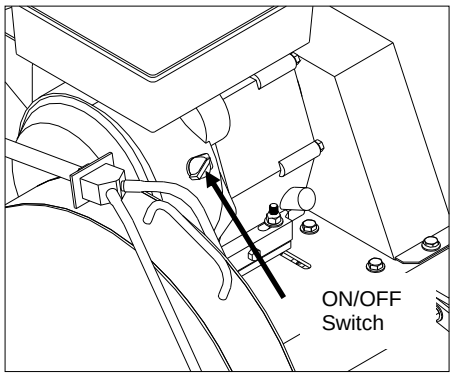
Turn the Fuel Control To the ON Position



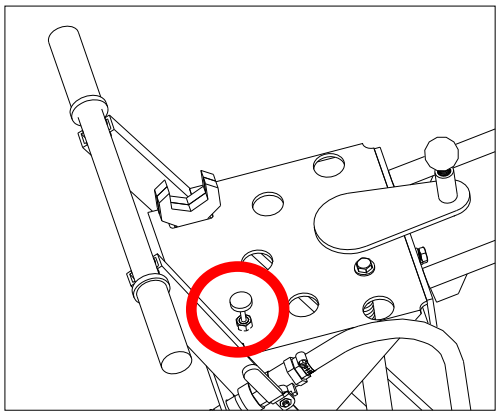
Move the choke lever to the CLOSED position.
NOTE: The Choke may not be needed if the engine is warm or the air temperature is high.



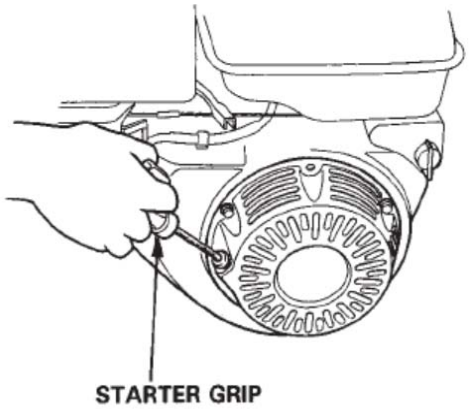
Move the Engine Throttle Slightly to the Left



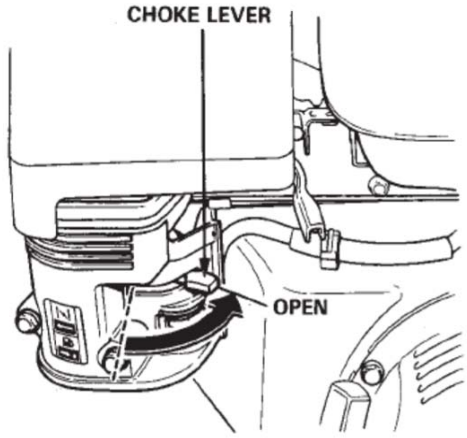
Place the engine ON/OFF switch to the ON position and NOTE: The Engine ON/OFF Switch is located on the front of the Engine.



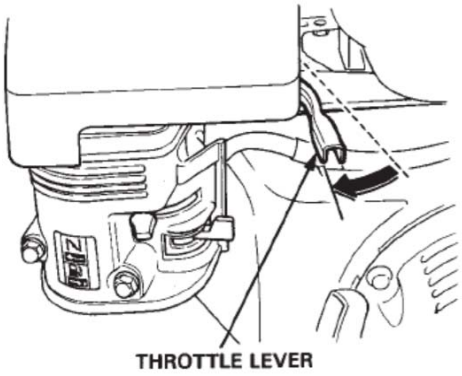
Pull The Emergency Stop Switch to the UP Position. NOTE: The Emergency Stop Switch is located on the machine's Console.



Pull the starter grip lightly until you feel resistance, then pull briskly. **CAUTION:** Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.



As the engine warms up, gradually move the choke lever to the OPEN position (fully to the right)



Position the throttle control lever for the maximum engine speed (fully to the Left).

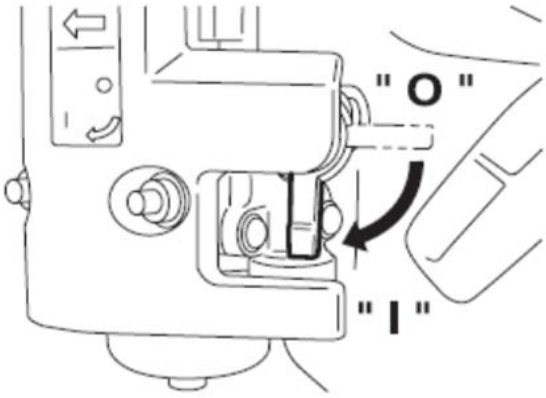
To stop the engine, move the Throttle Control Lever fully to the Forward Position (fully to the right), press the Emergency Stop Switch (Down Position), and then turn the engine switch to the OFF position. Turn the fuel valve to the OFF position.

Never transport the machine with the Fuel Valve in the ON position. Never Store the machine with the Fuel Valve in the ON position. Never Transport a machine with the blade installed.

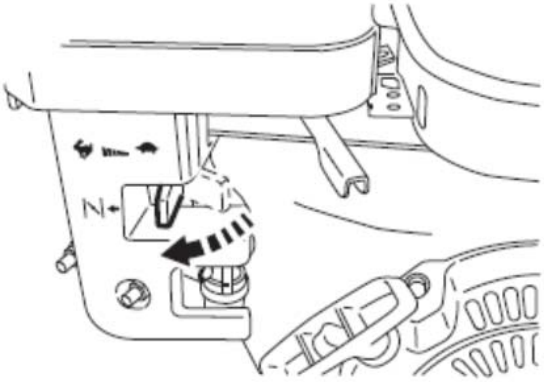
C14PE 14HP Subaru

1. Refer to the engine owner's manual for detail starting procedures.
2. Always cut with engine rpm in the full throttle setting.

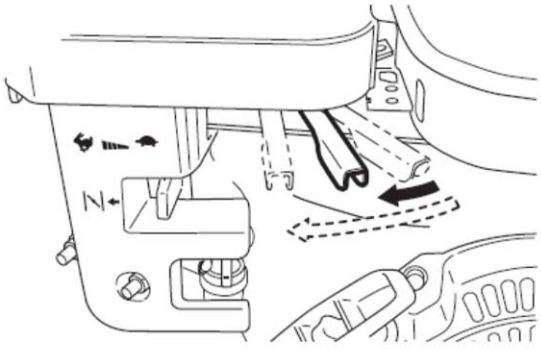
Before starting, insure that the blade is properly installed, all guards are in place and in safe operating condition, and that the Blade is not in contact with any surface or object. Also verify that the area where the work is to be performed is clean, safe, and has proper ventilation and lighting. Always located and properly mark all water, gas, and electrical services before beginning any work.



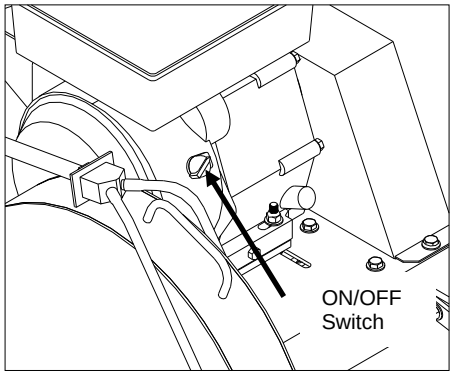
Turn the Fuel Control To the ON Position



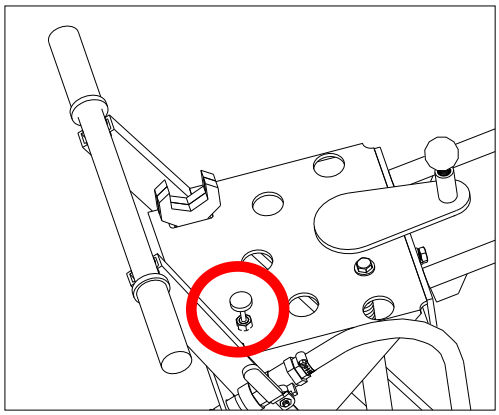
Move the choke lever to the CLOSED position. **NOTE:** The Choke may not be needed if the engine is warm or the air temperature is high.



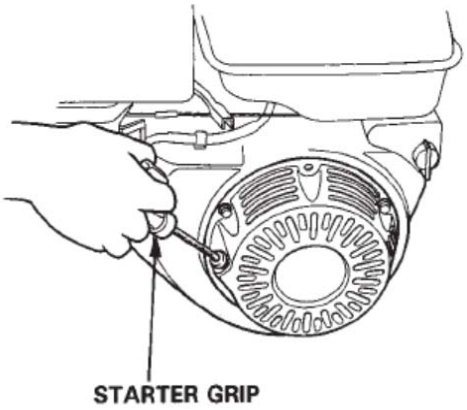
Move the Engine Throttle to 1/3 the way to the high position.



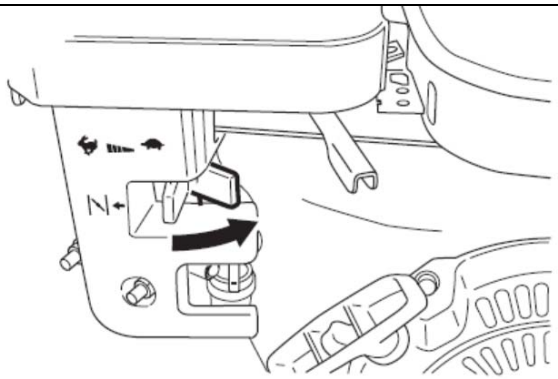
Place the engine ON/OFF switch to the ON position and NOTE: The Engine ON/OFF Switch is located on the front of the Engine.



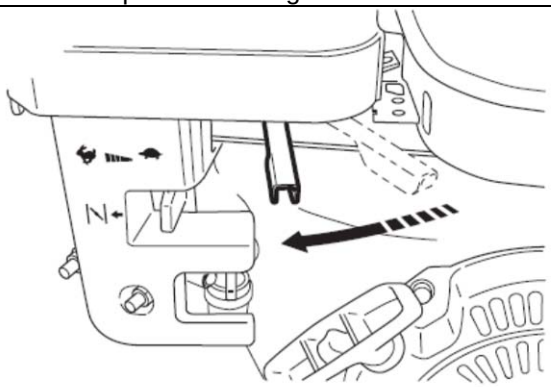
Pull The Emergency Stop Switch to the UP Position. NOTE: The Emergency Stop Switch is located on the machine's Console.



Pull the starter grip lightly until you feel resistance, then pull briskly. **CAUTION:** Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.



As the engine warms up, gradually move the choke lever to the OPEN position (fully to the right)



Position the throttle control lever for the maximum engine speed (fully to the Left).

To stop the engine, move the Throttle Control Lever fully to the Forward Position (fully to the right), press the Emergency Stop Switch (Down Position), and then turn the engine switch to the OFF position. Turn the fuel valve to the OFF position.

Never transport the machine with the Fuel Valve in the ON position. Never Store the machine with the Fuel Valve in the ON position. Never Transport a machine with the blade installed.

C. Water Supply

Pressurized source: Turn the water control to full "ON" when using wet cutting blades. The required flow rate is 4-6 gallons per minute.

D. Operating the Saw

1. For blade installation instructions ***see section II. Operation sub heading A. Installing the Blade***. For the engine starting instructions, see the

Engine manual and follow the instructions located in section II. ***Operation sub heading B. Starting the Engine***.

2. Check the Engine Oil level. See Engine Manual for details.

3. Raise the saw to the full upright position. Do not let the blade come in contact with the ground.

4. Maneuver the saw to the desired starting point.

5. If wet cutting, connect the water supply to the saw.

6. Follow the instructions for starting the engine found in the Engine manual.

7. If wet cutting, turn on the water supply at the source and then open the water valves on the saw. Make sure that there is a minimum of 4-6 gallons per minute of water flow!!

8. Be sure the engine is running at full throttle!!!

9. Slowly lower the blade by rotating the hand wheel clockwise until the desired depth of cut is reached. Use a reasonable rate of feed. Do not force the blade into the cut!!

10. When the end of the cut is reached, slowly raise the blade out of the cut by rotating the Hand Wheel counter-clockwise until the blade is at least one (1) inch above the ground.

11. Only move the saw in reverse with the blade in the raised position.

13. When moving the saw to a new location, be sure the blade is not touching the ground. Always pay close attention to where you are moving and where the blade is at all times.

E. Cutting Technique

Lower the blade into the concrete to the required depth by turning the hand wheel clockwise.

Reduce the forward pressure if the saw begins to stall.
Note: For deeper cuts (4 inches or more), several cuts should be made in incremental steps of 1-1/2 to 2 inches until the desired depth of cut is reached.

Push the saw steadily forward using the front pointer as a guide. Exert enough forward pressure so that the engine begins to labor, but does not slow down. If the saw begins to stall, reduce the forward movement until full rpm is restored to the blade. If the saw stalls, raise the blade out of the cut before restarting. Avoid excessive side pressure or twisting of the blade in the cut.

Additional Guide Lines For Sawing:

- Understand and follow all of the instructions in this owner's manual.
- If wet cutting, turn on the water supply so that there is a minimum of 4-6 gallons per minute of water flow!!
- In critically hard aggregate, more than a single pass may be needed to cut the desired depth.
- If the saw stalls in the cut, immediately stop the forward speed and raise the blade out of the cut. If this is not done the belts can fail or the blade may be damaged.
- Go slowly with a new blade until it opens up, that is, until the diamonds can be seen and felt.

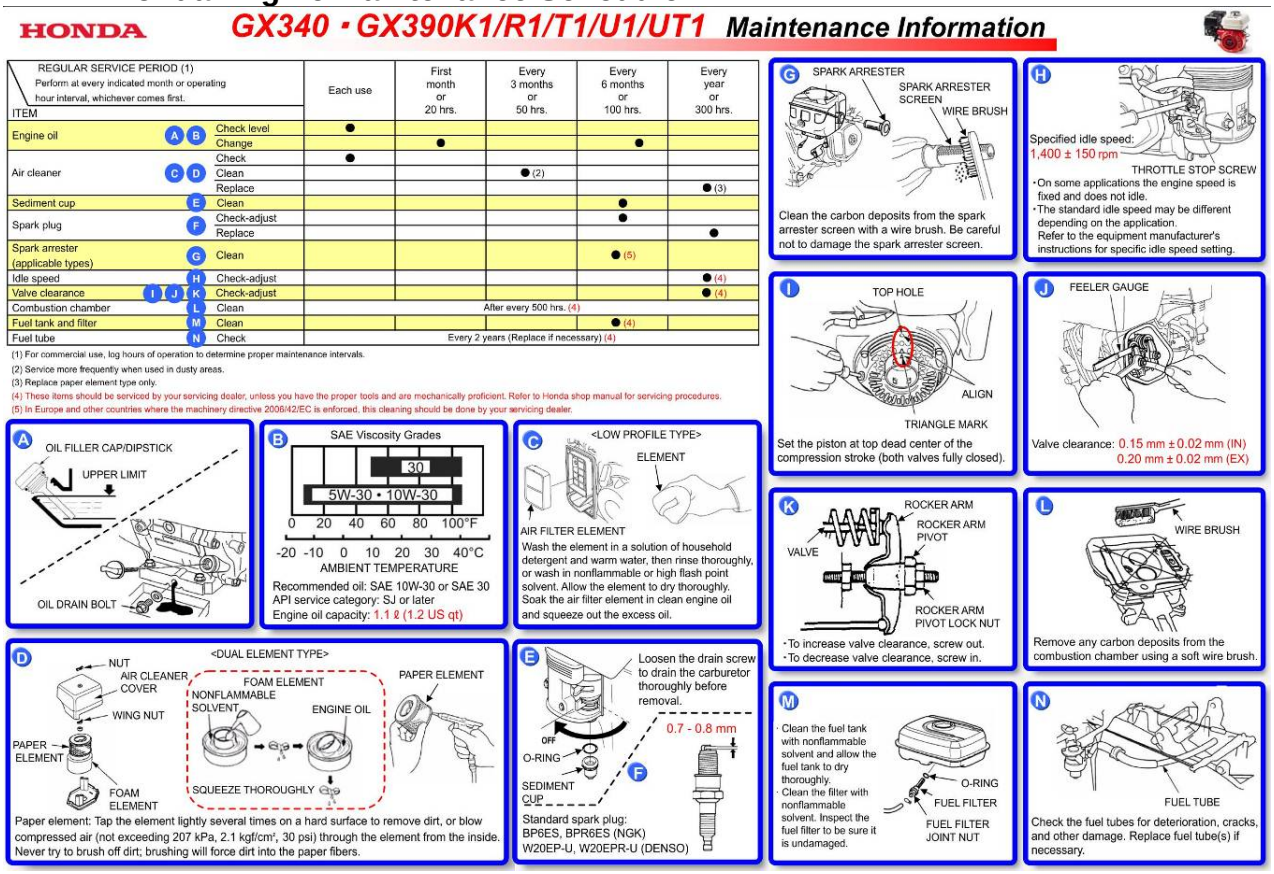
III. MAINTENANCE

A. Engine

Follow the below schedule for engine maintenance. NOTE: Check the Honda Engine manual that came with the engine for any changes to the maintenance schedule. If the charts have any differences, follow the chart in the Honda Engine Manual. Norton does not warranty the engine. If any warranty or service of the engine is required contact your nearest Honda service center, or from the Internet: http://engines.honda.com/dealer-locator

Honda engine (refer to owner's manual for complete maintenance.)

Honda Engine Maintenance Schedule



Subaru Engine Maintenance Schedule

Periodic Maintenance Schedule table **MS2230**

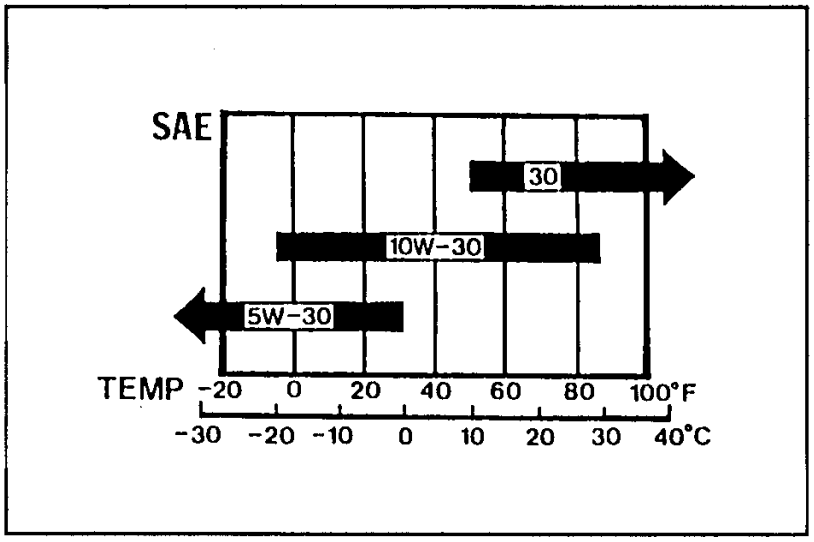
Maintenance Items	Every 8 hours (Daily)	Every 50 hours (Weekly)	Every 200 hours (Nonthly)	Every 500 hours	Every 1000 hours
Clean engine and check bolts and nuts	● (Daily)				
Check and refill engine oil	● (Refill daily up to upper level)				
Change engine oil (*Note 1)	● (Initial 20 hours)	● (Every 100 hours)			
Clean spark plug		● (Every 100 hours)			
Clean air cleaner		●			
Clean spark arrester (Optional part)		● (Every 100 hours)			
Replace air cleaner element			●		
Clean fuel cup			●		
Clean and adjust spark plug and electrodes			●		
Replace spark plug				●	
Remove carbon from cylinder head (*Note 2)				●	
Check and adjust valve clearance (*Note 2)				●	
Clean and adjust carburetor (*Note 2)				●	
Replace fuel lines					● (Yearly)
Overhaul engine if necessary (*Note 2)					●

*Note 1: Initial oil change should be performed after first twenty (20) hours of operation. Thereafter change oil every hundred (100) hours. Before changing oil, check for a suitable way to dispose of old oil. Do not pour it down into sewage drains, onto garden soil or into open streams. Your local zoning or environmental regulations will give you more detailed instructions on proper disposal.

*Note 2: As to the procedures for these items, please refer to the SERVICE MANUAL or consult your nearest service dealer.

Check the engine oil level before each use when the engine is cool and the engine is level. Add oil if the level is low. The oil level should be within the operating range (see the engine owner's manual for details).

Only use a high-detergent, premium quality motor oil certified to meet or exceed U.S. automobile manufacturer's requirements for Service Classification SG, SF/CC, or CD. Motor oils will show the classification on the container. A SAE viscosity of 10W-30 is recommend by Honda for general, all temperature use. Please consult the below chart or contact your local Honda service center for the proper viscosity for your temperature range.



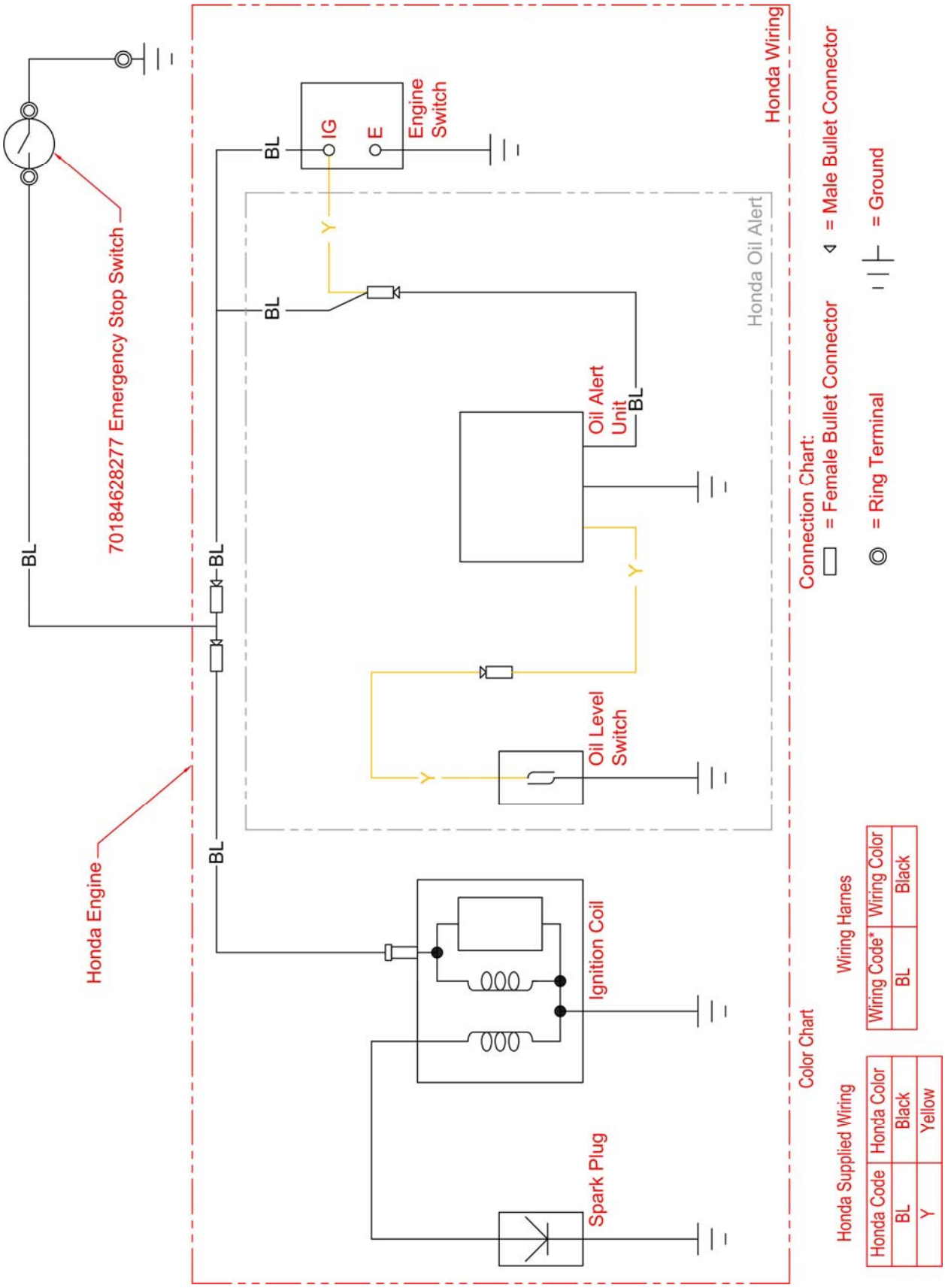
Always refer to the engine manual for more detailed information on checking the oil, changing oil, and oil capacity, air filter changes, and fuel type to use. Use only Honda air filters. Do not clean the air filter with gasoline or other flammable solvents. A fire or explosion could result. To clean, follow the instructions found in the Honda engine manual.

Dry Cutting Engine Maintenance

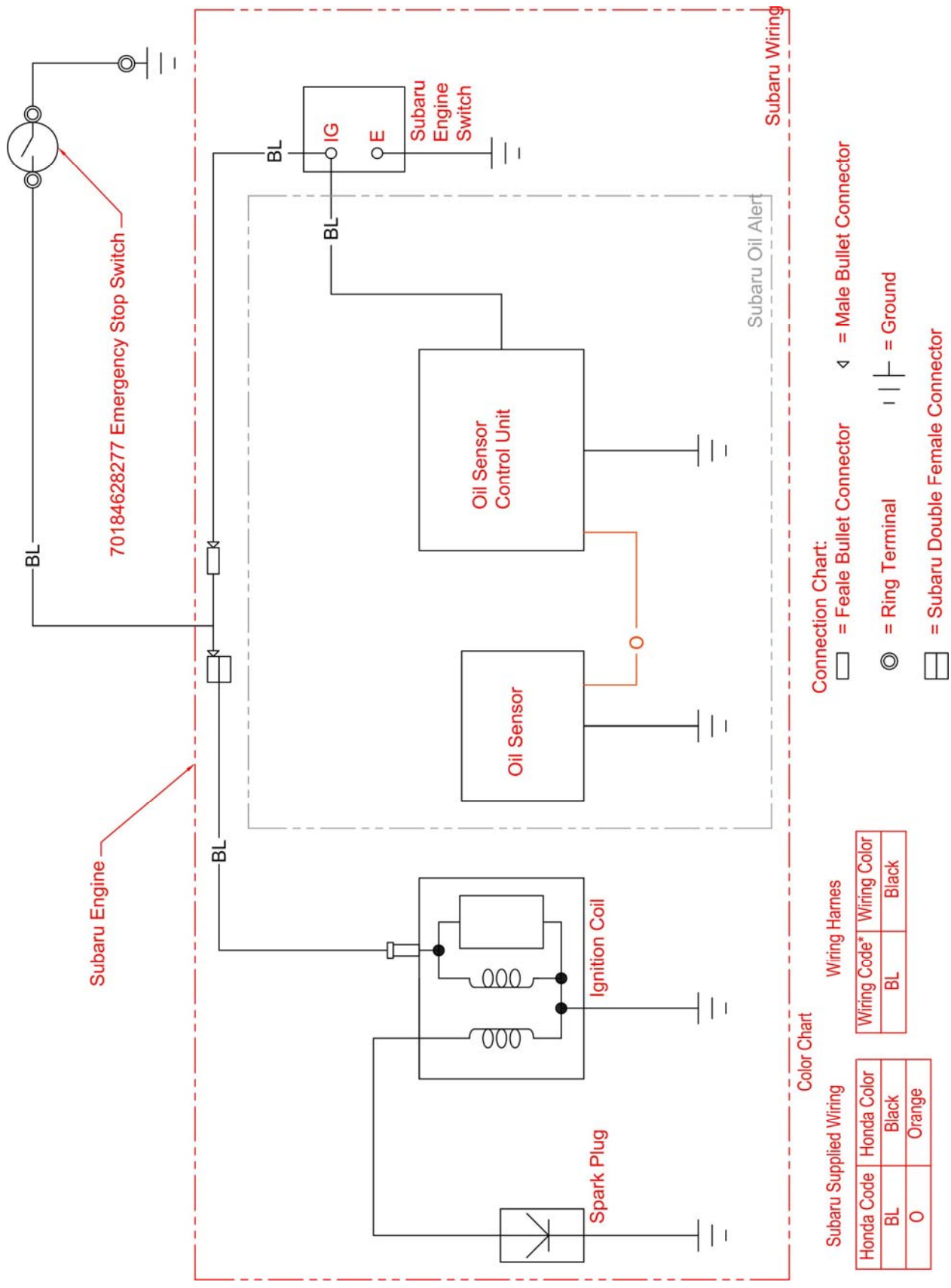
- When operating the engine in dry cutting or dusty environments the following is required:
- Engine oil changed more often.
- Every 50 hours (or more often if conditions require) clean all of the engine cooling fins.
- Every 25 hours (or more often if conditions require) clean the engine pre-cleaner.
- Every 100 hours (or more often if conditions require) replace the air filter. If the engine is equipped with a reusable air cleaner, clean and re-oil it.
- Check and clean the air filter after each use. Replace as needed.

B. Wiring Diagram

C13PE 13HP Honda



C14PE 14HP Subaru



C. Bearings

Re lubrication type bearings must be re-lubricated weekly to assure long life. The grease used should conform to the NLGI grade two and be free of any chemical impurities such as free acid or free alkali, dust, rust, metal particles or abrasives.

For best results, bearings should be re-lubricated while in operation. ***Note: Due caution for personal safety must be observed when servicing rotating equipment.*** The grease should be pumped in slowly until a slight bead forms around the seals. This bead, in addition to acting as an indicator of adequate re-lubrication, provides additional protection against the entry of foreign matter. If necessary to re-lubricate while the bearing is idle refer to re-lubrication table for maximum grease capacity for the various size bearings.

Shaft Size	Maximum Grease Capacity of Bearing Chamber in Ounces
1/2"' to 3/4"	1/8
7/8" to 1-3/16"	3/8
1-1/4" to 1-1/2"	5/8



Improper Maintenance Of Bearings Is Not Covered By Any Warranty. Over Lubrication Will Damage A Bearing. Grease Protruding From The Sides Of The Bearing Is A Sign Of Over Lubrication. Not Lubricating Bearings Will Damage The Bearing Unit. Damage Caused By Over or Under Lubricating Bearings Is Not Covered By Any Warranty.

D. V-Belts

Warning: Never make adjustments to belts or pulleys while engine is running!

The best tension for a belt drive is the lowest tension at which the belts will not slip under full load.

To adjust the C13PE Belt Tension:

The C13PE uses a simple single point tensioning system for the belt tensioning. The Belt Tensioning Assembly can be found behind the engine and is located near the Operator's Left Side Rear Engine Mounting Bolt. The Belt Tensioning Device is designed to pull or push the engine from the center which helps to reduce the Engine from twisting during the Belt Tensioning process. This new system is designed to be simple to install and to maintain with the tools equipped with the machine.

Insure that the Engine ON/OFF Switch is in the OFF position and that the Spark Plug is disconnected before making any adjustment to the Belt tension.

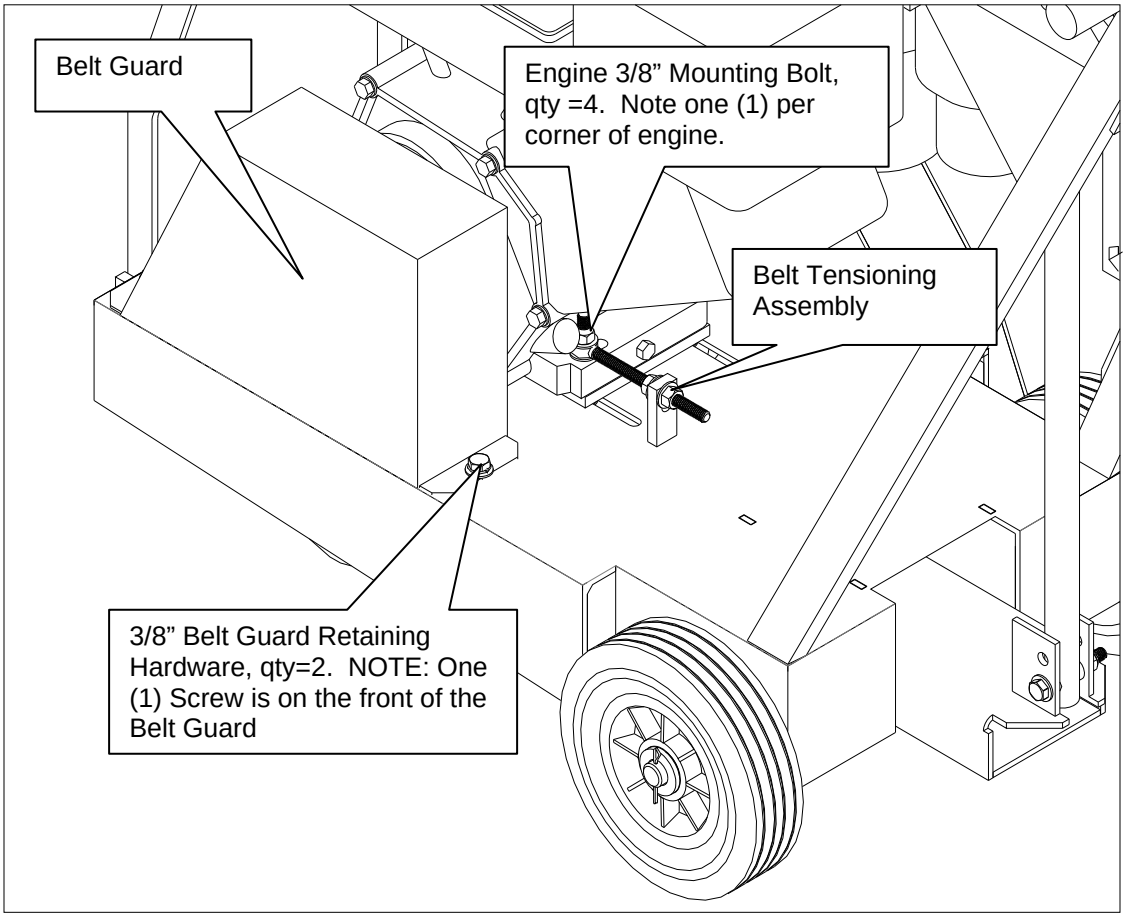


Figure: C13PE Belt Tensioning System

1. Review the locations of the C13PE Belt Tensioning system before proceeding. (See ***Figure: C13PE Belt Tensioning System*** on the previous page).
2. Remove the Belt Guard by loosening and removing the two (2) 3/8" Belt Guard Retaining Hardware sets.
3. Check belt tension by pushing up or down at the center top span of the belt. The belt should move around 3/8" to ½" up and down. If adjustment is needed go to step 4. If no adjustment is required, replace belt guard and tighten all of the 3/8" Belt Guard Retaining Hardware.
4. Slightly loosen the four (4) 3/8" Engine Mounting Bolts. NOTE: The four 3/8" Engine Mounting Bolts will need to remain snug during the belt tensioning process. Not keeping the 3/8" Engine Mounting Bolts snug may allow the engine to twist in the mounting slots which may result in the pulleys becoming missed aligned.
5. Loosen the two (2) 3/8" Jam Nuts on the C13PE Belt Tensioning Assembly (See ***Figure: C13PE Belt Tensioning Assembly*** below).

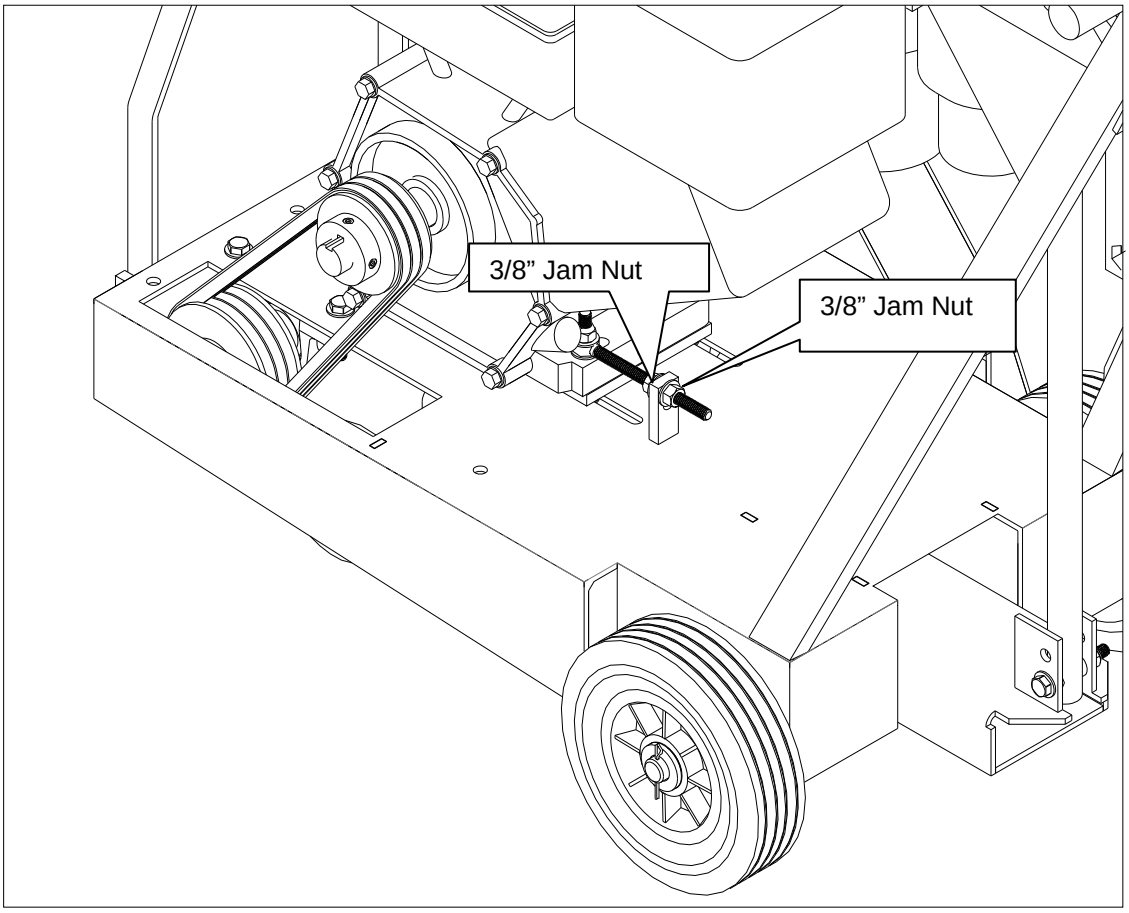


Figure: C13PE Belt Tensioning Assembly

6. To apply tension to the Belts tighten (turn clockwise) the rear 3/8” Jam Nut until the required Belt Tension is achieved. To loosen the Belts turn the front 3/8” Jam Nut counter clockwise until the required Belt Tension is achieved. (See ***Figure: C13PE Belt Tensioning Jam Nut Directions***). NOTE: Do not over tighten the belts as too tight of belts can break Engine Output Shafts, Blade Shafts, Belts, and cause premature Bearing Failures. Failures due to too tight of Belts are not covered by any warranty. Too loose of Belts will cause the Belts to slip under load, and may cause burning of the Belts and is not covered under any warranty.

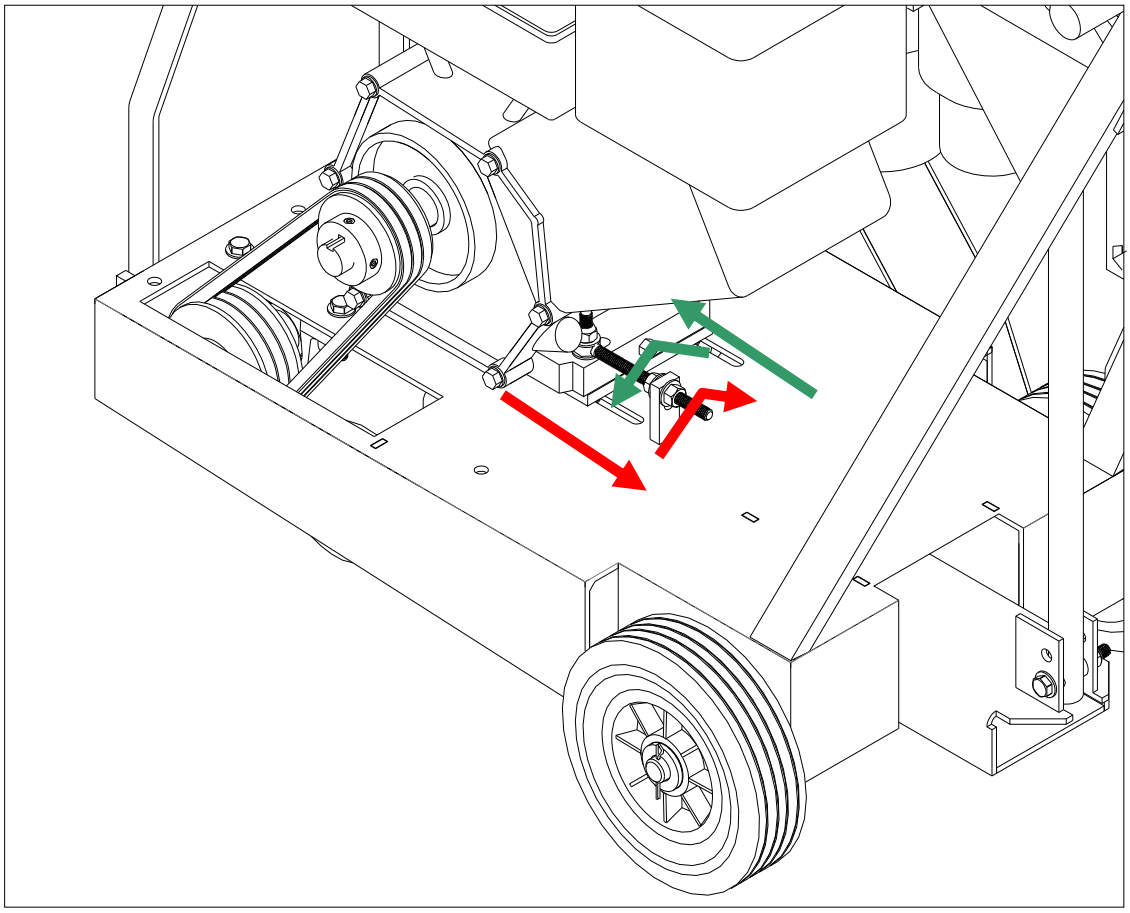


Figure: C13PE Belt Tensioning Jam Nut Directions

7. Tighten the four (4) 3/8” Engine Mounting Bolts.
8. Replace the Belt Guard and replace and tighten the 3/8” Belt Guard Retaining Hardware.
9. Run the machine for around 15 minutes and recheck the belt tension. If the Belts slip under load increase the belt tension.

Remember, too much tension shortens belt and bearing life!

Check the belt tension frequently during the first day of operation. Check the belt tension periodically thereafter and make any necessary adjustments.

To align the Pulleys:

1. Review the locations of the C13PE Belt Tensioning system before proceeding. (See ***Figure: C131PE Belt Tensioning System*** on page 15).
2. Remove the Belt Guard by loosening and removing the three 3/8 Belt Guard Retaining Bolts.
3. Line up a straight edge along the out side face of both pulleys. (See ***Figure: Pulley Alignment*** to the right.)

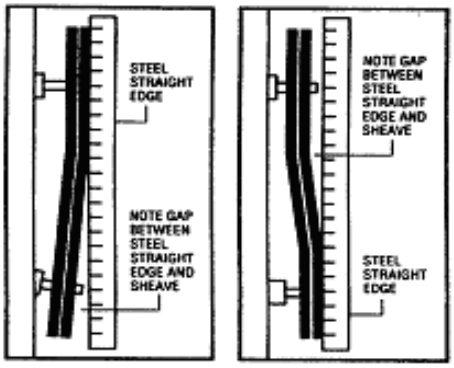


Figure: Pulley Alignment

4. Misalignment will show up as a gap between the pulley face and the straight edge.
5. To correct the misalignment move one pulley in or out as required.

Main Causes of Belt Failures:

Premature Belt failure can be attributed to the following issues: Tension (too much or too little), Pulley Misalignment, Damaged Pulleys, Improper Handling or Storage, Incorrect Blade Specification for Material Being Cut, and Cutting Too Deep.

Symptom	Possible Cause	Corrective Action
Belt Breakage	Too Much Tension	Re-tension Belts
	Excessive Shock Load	Reduce Load/ Check Blade Specification
	Pulley Out Of Round	Replace Pulley
Burning of Belt	Too Little Belt Tension	Increase Belt Tension
	Excessive Load (Cutting Full Depth)	For Best Performance Only Cut only 1-/2" to 2" Per Pass
	Containments On Belts	Replace Belts and Find Source Of Containments
	Incorrect Blade Specification	Replace Blade With One Designed For Material Being Cut

Belt Failure Table Continued From Previous Page

Symptom	Possible Cause	Corrective Action
Belt Tearing/Ripping	Pulley Misalignment	Align Pulleys
Belt Rolling Off Pulley	Pulley Misalignment	Align Pulleys
Belt Cracking	Extremely Low Temperature at Startup	Warm Machine Before Use
	Exposure To Chemicals or Lubricates	Locate Source of Containments and Replace Belts.



Belts are a normal wear item and are not covered under warranty.

E. Depth Control

The depth control (raising screw) consists of a threaded rod, which feeds into a steel nut. In order to keep the two parts working smoothly it is necessary to keep the rod free from dirt and sludge as much as possible. Cleaning the threaded rod with a rag after each use will prevent sludge from collecting in the tube assembly and protect the threads. It is a good practice to keep the raising screw threads lubricated, as the slurry generated during cutting will cause premature thread wear. Two (2) revolutions of the Raise Lower Handle will change the depth of cut by ¼".

The bearing used to support the raising screw should be checked after each use to make sure it is turning freely and lubricated. If the bearing requires re lubrication lithium base grease is recommended.

F. Inspections and Cleaning

For long life and better machine performance follow the inspection and cleaning schedule below.

Regular Service Period Preformed At Every Indicated Period →		**After First Hour of Work**	**Beginning Of Day**	**During Blade Change**	**End Of Day**	**Once A Week**	**After Failure**	**After Damage**
Whole Machine	Inspect For Damaged or Missing Components	**X**	**X**			**X**	**X**	**X**
	Clean		**X**			**X**		
Blade Collars	Clean			**X**				
Belt Tension	Check	**X**				**X**	**X**	**X**
Water Hose, Water Fittings, and Nozzles	Clean		**X**			**X**		
	Inspect		**X**			**X**		**X**
Depth Screw	Grease					**X**		
Engine	Clean					**X**		
Reachable Hardware	Tighten					**X**		
Bearings (Blade Shaft and Depth Control)	Grease*					**X**		
Wheels	Inspect	**X**	**X**			**X**	**X**	**X**

* = See Bearing Maintenance of This Manual Before Greasing



Replace any damaged or missing components before using machine.

IV. PARTS LIST SECTION

A. Ordering Information

1. List model number and serial number of machine from the Machine's Serial Number Plate.
2. List UPC number, part number, and Description of part DO NOT use the item number. It is best to use the UPC number when ordering.
3. Wherever alternate parts are shown due to product improvement, inspect the part you have and provide additional description as necessary.
4. Specify mode of shipping desired, such as, parcel post, truck, U.P.S., best way, etc.

For the nearest Norton Clipper distributor call **254-918-2310**

Common Replacement Parts

Description	Part Number	UPC
3VX300 Set of three (3)	247304	70184647698
Blade Shaft Nut ¾-16 Left Hand Thread (Operators Right Side Of Saw)	227156	70184673903
Collar Tight	247203	
Collar Loose Assembly (With Pin)	247202	
Bearing Blade Shaft (1) (No Hardware)	227175	70184673905
Wheel 4X1-1/2X3/4 Front (1)	227162	70184674102
Wheel 8X2-1/2X3/4 Rear	227148	70184674103
Wrench Open End	238212	70184628071
Wrench Open End	238213	70184628074

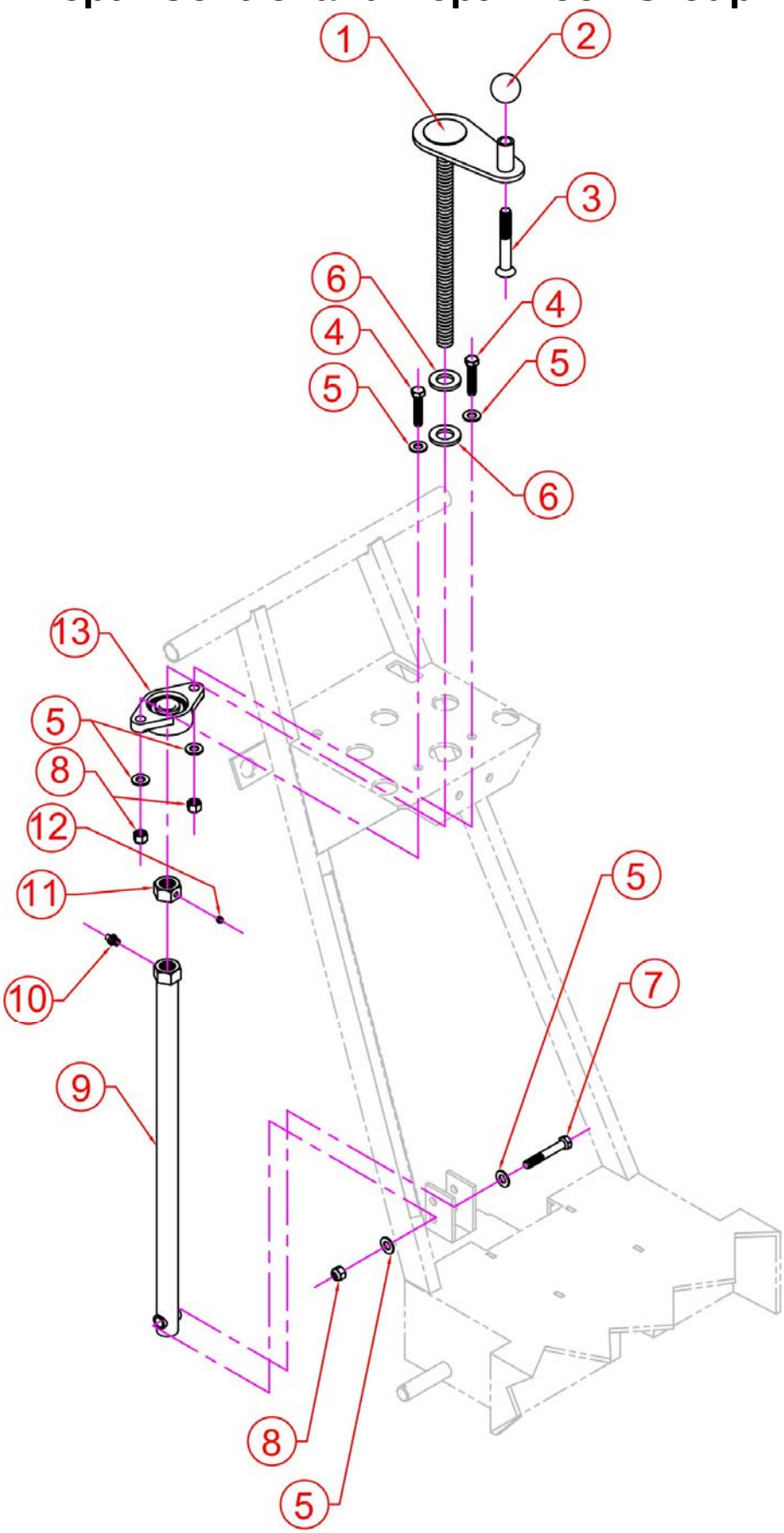
NOTE: All Parts Are Sold As Individual (each) Unless Noted Otherwise

Kitted items are shown in a phantom lined box within the parts drawing.

Blades Use Only Norton Diamond Blades. Contact your local Norton Clipper Distributor or our Customer Service at 254-918-2310 for the best blade for the application.

All parts are designated as either Service Parts (S) or Wear Parts (W) in the Type column in the parts listing. Wear parts are worn out through normal use of the machine. The wear period depends on the intensity of use of the machine, handling, and maintenance of the machine. Wear parts must be serviced and eventually changed following the indications of the manufacturer. Any wear due to normal use of the machine will not be considered as a case of warranty for items designated as Wear Parts (W). For best performance and life Genuine Norton Clipper replacement parts should always be used. Changes to part specifications, are subject to change with out notice.

Depth Control and Depth Lock Group

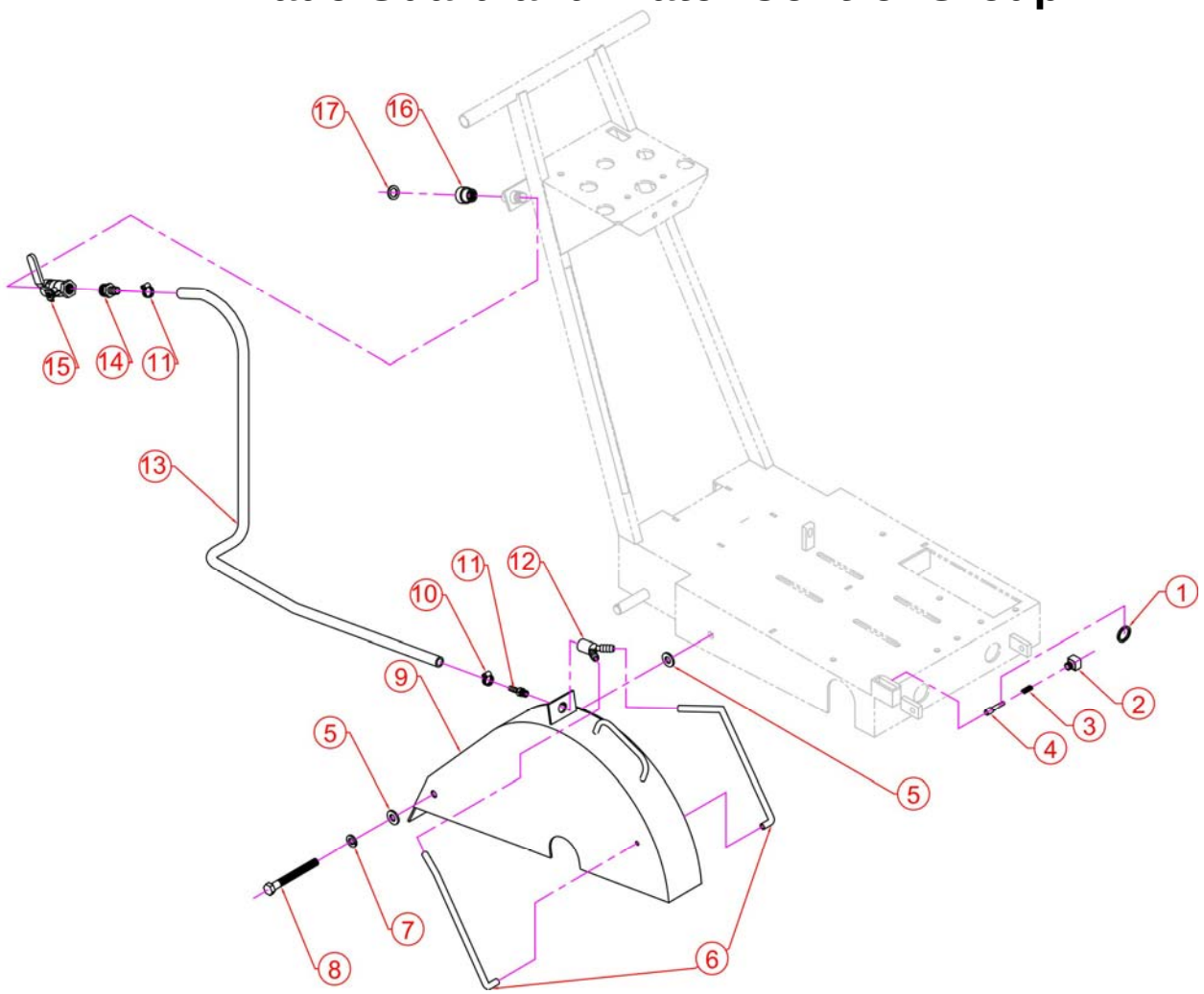


Depth Control and Depth Lock Group

Item	Part No	UPC No	Description	QTY	Type	NOTES
1	247801	70184647692	Hand Wheel Weldment C13PE	1	S	Hand Wheel Body and Raise Screw
2	238202	70184628279	Ball Knob	1	S	
3	247805	70184647693	Screw 1/2"-13 UNC x 3 Socket Head	1	S	Sold As Each
4	8041056	70184649906	Screw 3/8"-16 UNC x 2-1/2 Hex Head Cap	2	S	Sold As Each
5	8172009	70184650123	Washer 3/8" SAE	6	S	Sold As Each
6	8172015	70184650129	Washer 3/4 SAE	2	S	Sold As Each
7	8041056	70184649906	Screw 3/8"-16 UNC x 2-1/2 Hex Head Cap	1	S	Sold As Each
8	8160003	70184650373	Nut 3/8"-16 UNC Nylock	3	S	Sold As Each
9	238164	70184628181	Depth Screw Tube	1	S	Set Grease Zerk Not Included
10	238234	70184628182	Grease Fitting 1/8" NPT x 11/16"	1	S	1/8" National Pipe Thread Male x 11/16" Long
11	238163	70184628265	Nut ¾"-10 Hex Head for Depth Screw	2	S	Sold As Each
12	407035	70184682129	Screw ¼"-20 x ½" Set Cup Point	1	S	Sold As Each
13	210071	70184650406	Bearing Flange ¾" Bore	1	W	Includes Set Screw

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

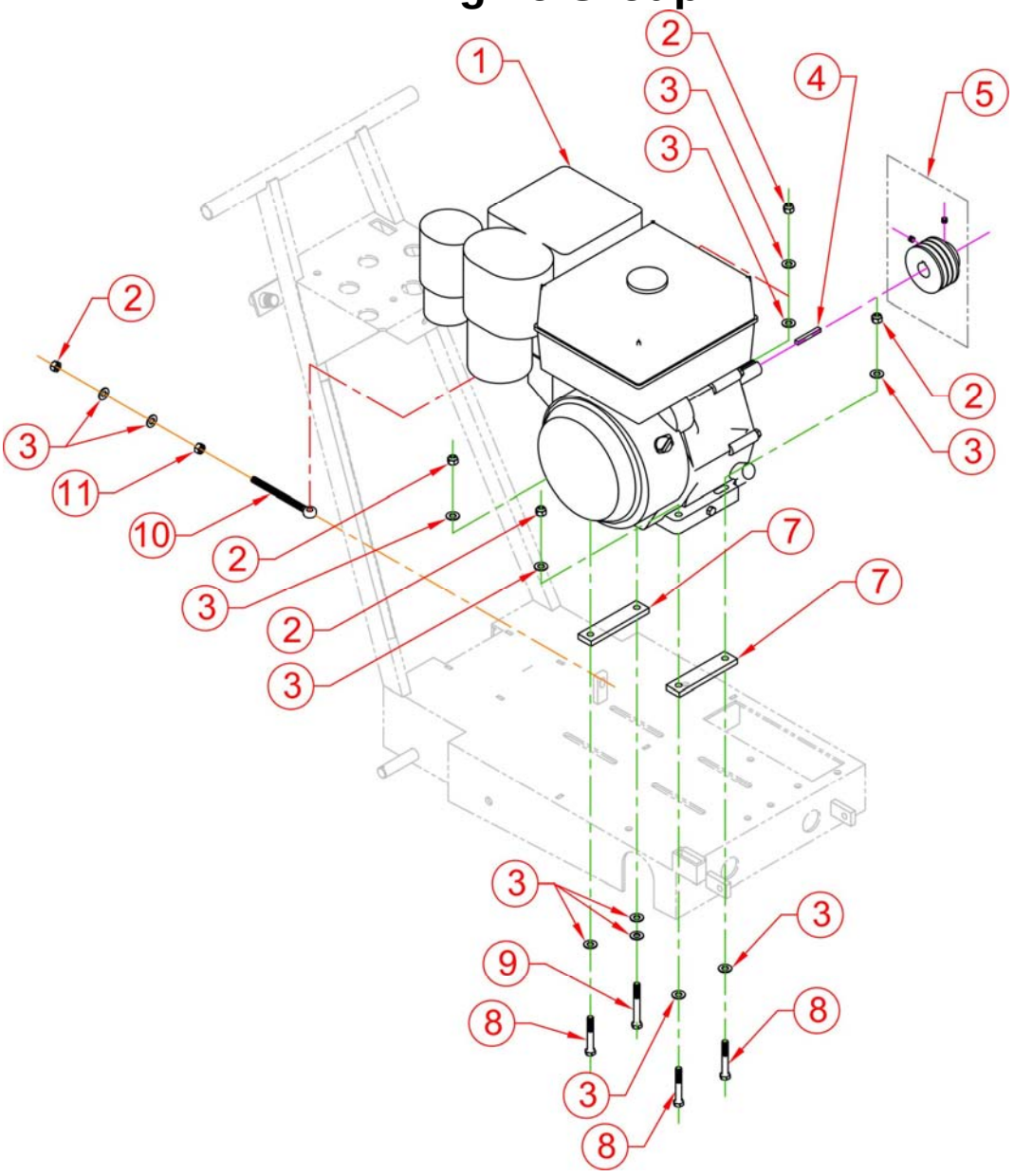
Blade Guard and Water Control Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	238223	70184628501	Ring Guard Lock	1	S	
2	238225	70184628498	Guard Lock	1	S	
3	238224	70184628499	Spring Guard Lock	1	W	
4	238222	70184628500	Pin Guard Lock	1	S	
5	8172011	70184650124	Washer ½" SAE	2	S	Sold as Each
6	082998	70184681299	Nozzel Water (2)	1	W	Set of two (2) Nozzles 5/16" ID x 7/16" OD x 10" Long
7	8177014	70184650154	Washer ½" Spring Lock	1	S	Sold as Each
8	8041107	70184649929	Screw ½"-13 x 4-½" Hex Head Cap	1	S	Sold as Each
9	247106	70184647694	Blade Guard Weldment C13PE	1	S	Blade Guard Weldment Only
10	N1C0113	70184659232	Clamp Hose #10 ½" Wide x ½" TO 29/32"	2	S	
11	9600014	70184650465	Fit Barb Hose 1/4MPT x ½"	1	S	
12	072286	00310004233	Fit Hose "Y"	1	S	
13	0042521	70184683507	Tube 1/2ID X 3/4OD 48" Long	1	S	Use 36
14	9602012	70184626501	Fit Barb Hose ½" MNPT x ½" Male Barb	1	S	½" Male National Pipe Thread Taper x ½" Male Barb Fitting
15	N1C0021	70184659097	Valve Water 1/2"	1	S	
16	N1D0082	70184659115	Swivel Hose ¾" Garden Hose Female x ½" FNPT	1	S	½" Female National Pipe Thread Taper x ¾" Garden Hose Swivel
17	101868	70184650620	Washer Hose 1.00OD x .625	1	W	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

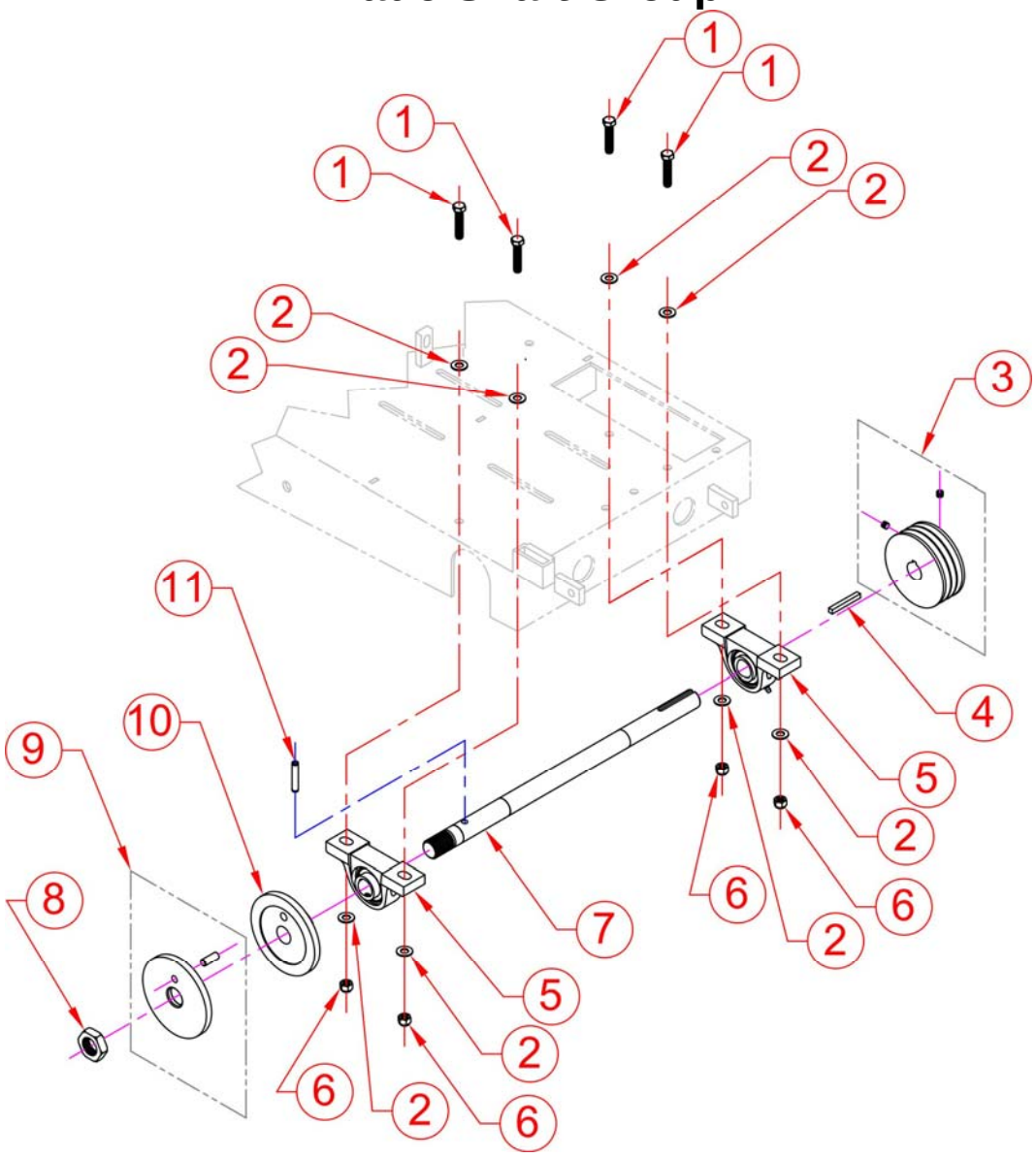
Engine Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	123327	70184671620	Engine 13HP Honda Manual Start GX390UT2QXC9	1	S	Engine Only. C13PE Model Honda Specification GX390UT2QXC9
	247301	70184647814	Engine 14HP Subaru Manual Start EX400D50140	1	S	Engine Only. C14PE Model Subaru Specification EX400D50140
2	8160003	70184650373	Nut 3/8"-16 UNC Nylock	4	S	
3	8172009	70184650123	Washer 3/8 SAE	12	S	Sold Individually (1)
4	9201117	70184649705	Key ¼" x1-½"	1	S	
5	247303	70184647695	Pulley 3.15OD x 1" B 3G 3V	1	S	Includes Set Screws 70184678503 QTY =2
	231239	70184678503	Screw 5/16"-18 UNC x 1/4" Set Cup Point	2	S	Sold Individually (1)
6	247304	70184647698	Belt 3VX300 (3)	1	W	Set of Three (3) Matched 3VX300 Belts
7	247305	70184647696	Spacer Engine C13PE	2	S	Sold Individually (1)
8	8041056	70184649906	Screw 3/8"-16 x 2-½" Hex Head Cap	3	S	
9	8041058	70184649907	Screw 3/8"-16 x 3" Hex Head Cap	1	S	
10	247306	70184647699	Eye Bolt 3/8"-16 UNC x 5"	1	S	
11	8142003	70184650349	Nut 3/8"-16 UNC Hex Jam	1	S	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

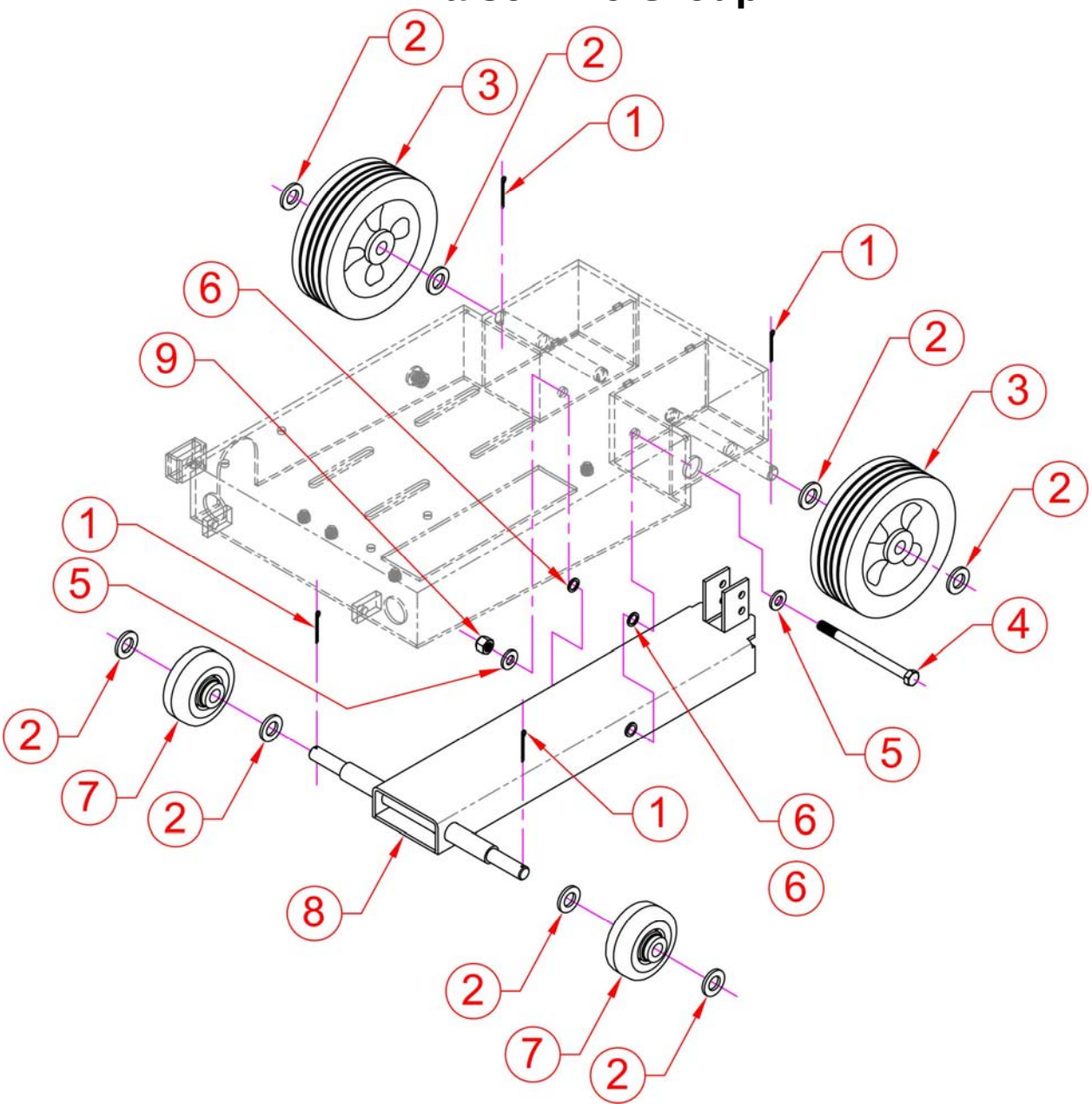
Blade Shaft Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	8041053	70184649903	Screw 3/8” -16 x 1-¾” Hex Head Cap	4	S	
2	8172009	70184650123	Washer 3/8” SAE	8	S	
3	247302	70184647700	Pulley 4.12OD x 1" B 3G 3V	1	S	Includes Set Screws 70184678503 QTY =2
	231239	70184678503	Screw 5/16"-18 UNC x 1/4" Set Cup Point	2	S	Sold Individually (1)
4	9201117	70184649705	Key ¼” x1-½”	1	S	
5	227175	70184673905	Bearing Pillow Bock 1"	2	W	Sold Individually (1) Includes Set Screw and Grease Zerk. Does NOT Include: Hardware
6	8160003	70184650373	Nut 3/8"-16 UNC Nylock	4	S	
7	247201	70184647701	Blade Shaft C13PE	1	S	Blade Shaft Only
8	105376	70184627158	Nut 1-14 UNF Hex Jam Left Hand Thread	1	W	
9	247202	70184647702	Loose Collar W/Pin C13PE	1	W	Includes Pin 3/8” x 1” Dowel 70184650531
	9196110	70184650531	Pin 3/8 x 1 Dowel	1	W	
10	247204	70184647703	Tight Collar C13PE	1	W	
11	9195250	70184647704	Pin 5/16" x 1-3/4" Roll	1	W	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

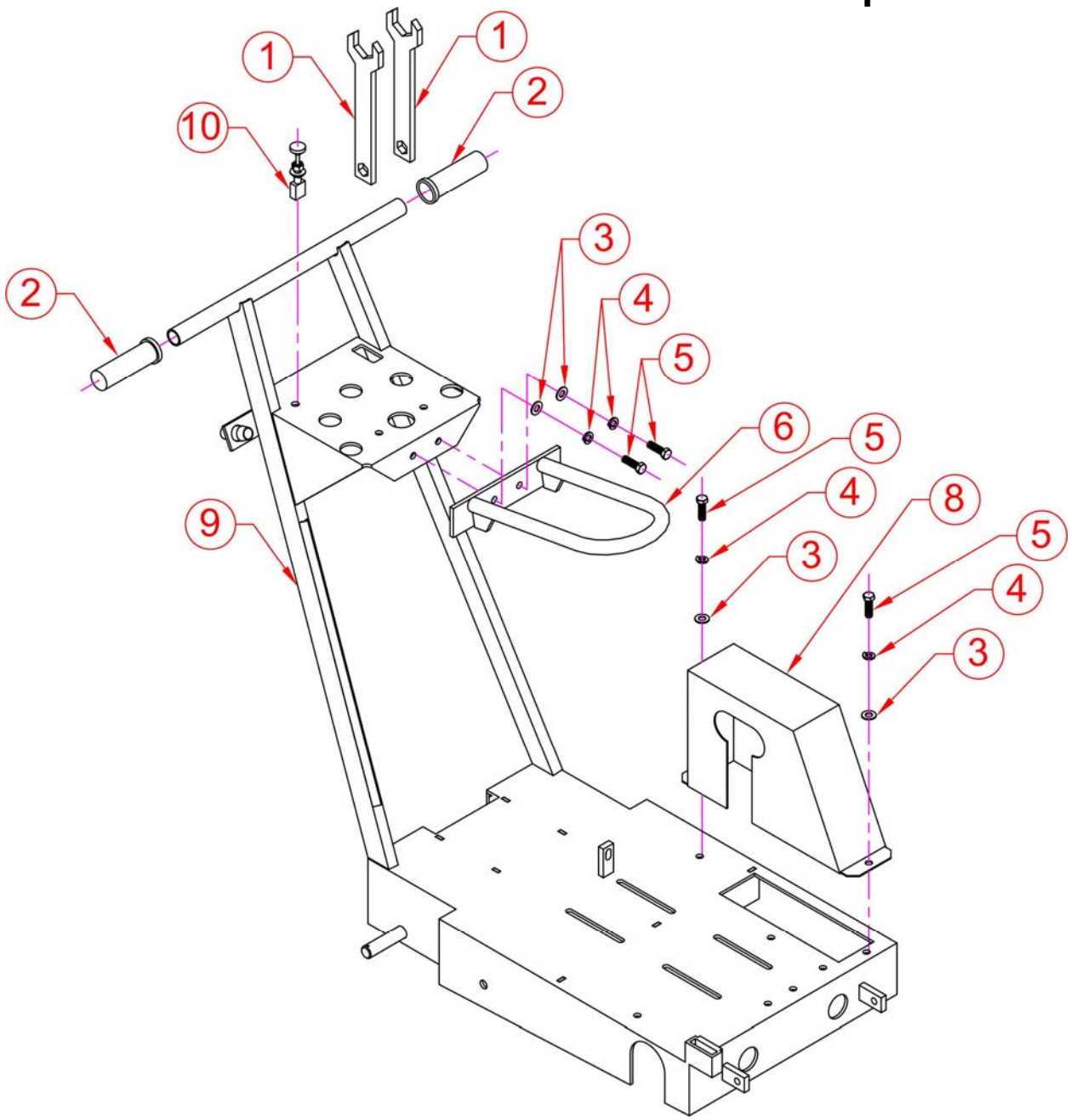
Raise Axle Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	227146	70184674553	Pin Cotter 1/8” x 1-½”	4	W	
2	8172015	70184650129	Washer ¾” SAE	8	S	
3	227148	70184674103	Wheel 8” x 2”-½” x ¾” Rear	2	W	Sold Individually (1)
4	247409	70184647705	Screw ½"-13 UNC x 6-½" Hex Head Cap	1	S	
5	8172009	70184650123	Washer 3/8” SAE	2	S	
6	247406	70184647706	Washer 1/2" Nylon Flat	2	W	
7	227162	70184674102	Wheel 4” x 1-½” x ¾” Front (1)	2	W	Sold Individually (1)
8	247401	70184647708	Raise Axle Weldment C13PE	1	S	Raise Axle Only
9	8160003	70184650373	Nut 3/8"-16 UNC Nylock	1	S	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

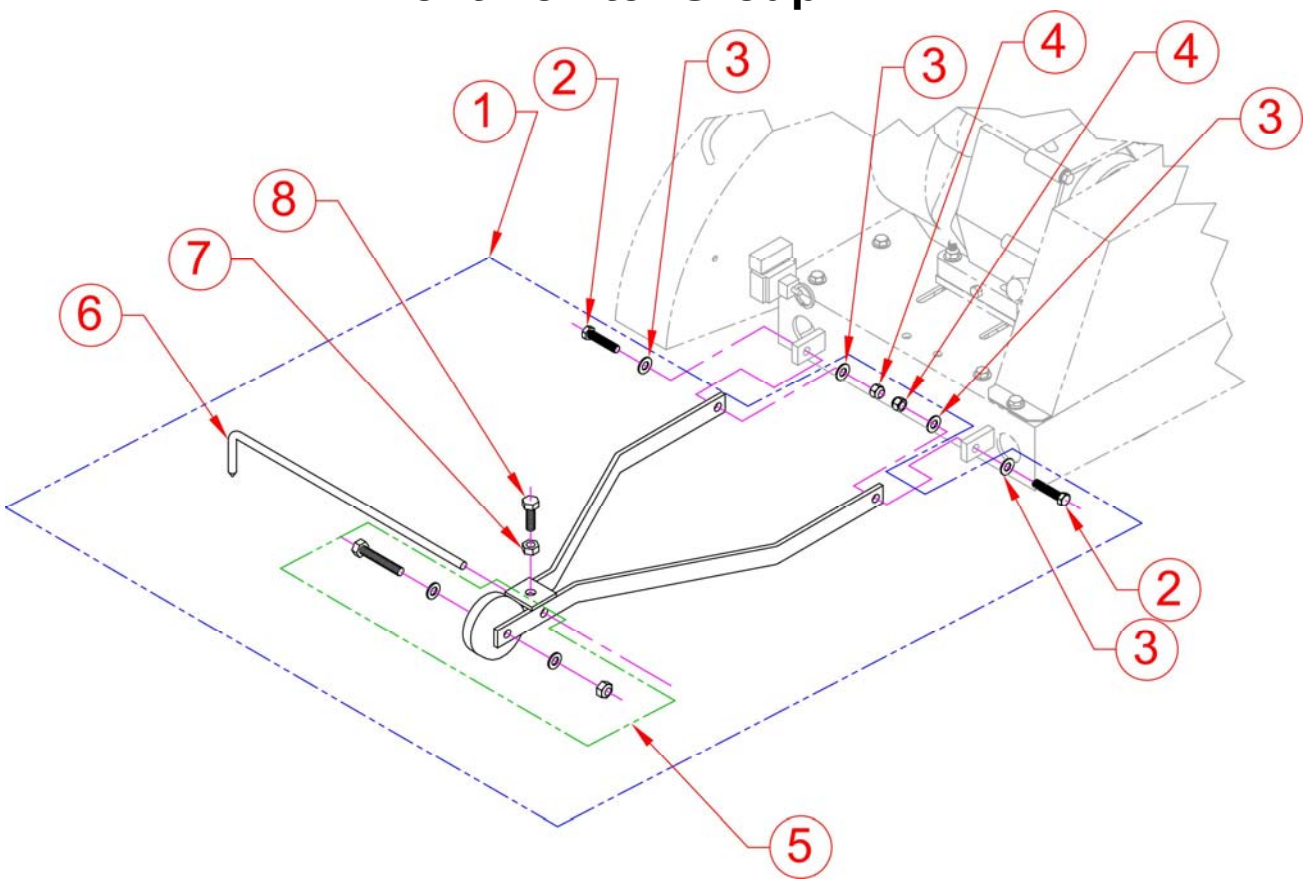
Main Frame and Belt Guard Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	238213	70184628074	Wrench Open End 1-½”	2	W	
2	227101	70184674393	Hand Grip	2	W	Sold Individually (1)
3	8172009	70184650123	Washer 3/8” SAE	4	S	Sold Individually (1)
4	8177012	70184650149	Washer 3/8” Spring Lock	4	S	Sold Individually (1)
5	8041051	70184649901	Screw 3/8”-16 X 1-¼” Hex Head Cap	4	S	Sold Individually (1)
6	247016	70184647708	Lifting Bale Weldment C13PE	1	S	
7	247601	70184647709	Belt Guard Weldment C13PE	1	S	
9	247001	70184647710	Main Frame Weldment C13PE	1	S	Main Frame Weldment Only
10	238229	70184628277	Emergency Kill Switch	1	W	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

Front Pointer Group



Item	Part No	UPC No	Description	QTY	Type	NOTES
1	232127	00310024051	Pointer Assembly	1	S	Includes: Front Pointer Rod, Pointer Frame, Wheel, and Hardware. NOTE: Hardware in 00310024051 is metric but will function without any issues. Pointer Frame Weldment is only available as part of 00310024051
2	8041053	70184649903	Screw 3/8”-16 X 1-¾” Hex Head Cap	2	S	
3	8172009	70184650123	Washer 3/8” SAE	4	S	
4	8160003	70184650373	Nut 3/8-16 Hex Lock	2	S	
5	232126	00310004622	Wheel Pointer W/Hardware	1	S	
6	232125	00310004244	Pointer Rod	1	S	Pointer Rod Only
7	237242	70184627482	Screw M10 X 50 1.5 DIN933 Hex Head Cap Full Thread	1	S	
8	27006	70184681615	Nut M10 1.5 DIN934 Hex Jam	1	S	

Type: S = Service Part, W = Wear Part, All Parts Are Sold As Individual (each) Unless Noted Otherwise

NOTES:

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Saint-Gobain Abrasives
2770 West Washington
Stephenville, TX 76401
Phone: 254-918-2310
Fax: 254-918-2312

NORTON
SAINT-GOBAIN

WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints,**
- **Crystalline silica from bricks and cement and other masonry products, and**
- **Arsenic and chromium from chemically-treated lumber.**

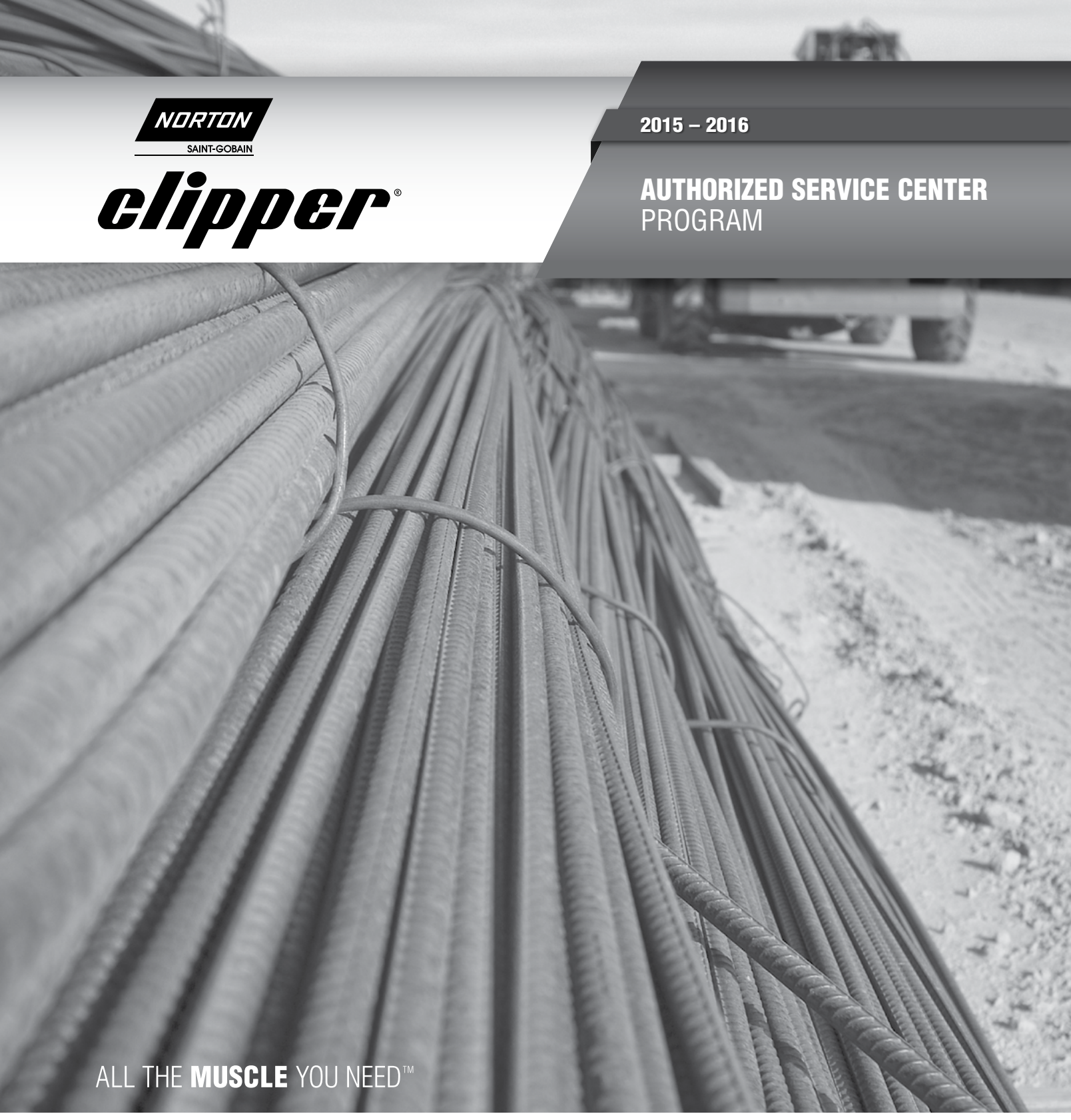
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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clipper®

2015 – 2016

AUTHORIZED SERVICE CENTER PROGRAM



ALL THE **MUSCLE** YOU NEED™

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AUTHORIZED SERVICE CENTER PROGRAM

Enclosed you will find all of the information pertaining to our Norton Clipper Authorized Service Center program. In an effort to service our equipment better, we have formalized this program to include the following information:

- Product Warranty Information
- OEM Service Centers (i.e. Baldor, Honda, etc.)
- Equipment Inspection Verification for Claim
- Warranty Claim Form

Listed below are some of the parameters of this program.

- We will warranty all Norton Clipper equipment against defects in workmanship or materials for a period of one (1) year from the date of invoice to the customer with the exception of:
  - TC405 Hand-Held Tile Saw - 3 Months
  - CTC701 Tile Saw - 3 Months
  - High Speed Cut-Off Saws - 6 Months
- Integral units such as gasoline engines, electric motors, batteries, tires, transmissions, etc., are excluded from this warranty and are subject to the prime manufacturer's warranty.
- All claims will be reviewed and approved based on evaluation of the work being done.
- We will review and approve labor/hour rates for each Authorized Service Center. We expect the labor rates to be within a reasonable range of the national average of $65.00 per hour.
- Payment will primarily be processed as a customer credit. Authorized Service Centers that are not official distributors of our products will be set up as vendors in our system. Payments for repairs, after approval may be sent to our Accounts Payable department at the address below:

  Saint-Gobain Abrasives
  Attn: Accounts Payable
  1 New Bond Street
  Worcester, MA 01615

As an Authorized Service Center for Norton Clipper equipment you will also be recommended to service out of warranty equipment. That transaction will be solely between the Authorized Service Center and the customer requiring repair. When service inquiries are made to us directly we will recommend all of the Authorized Service Centers within a reasonable geographic proximity to the equipment involved. A current listing of our Authorized Service Centers may be found on our website, www.nortonconstructionproducts.com.

We strive to give you prompt warranty claim service. We are committed to processing your claim in a timely manner. In order to avoid delays, please read and submit all the necessary information.

REPAIRS / WARRANTY DISPOSITION REQUESTS

All warranty claims are subject to review prior to credit being issued.

All Norton Clipper equipment is covered by warranty from the time of invoice for a period of one (1) year with the following exceptions:

- TC405 Hand-Held Tile Saw - 3 Months
- High Speed Cut-Off Saws - 6 Months
- CTC701 Tile Saw - 3 Months

To obtain authorization for a warranty claim, contact customer service at (800) 554-8003, you will need the equipment model number and serial number.

All warranty repairs should be done by a Norton Clipper Authorized Service Center or Distributor. The use of outside repair sources could result in a delay or denial of a warranty claim. Please contact customer service for any questions.

The use of aftermarket parts without pre-approval voids the warranty approval. If required, returned products should be carefully packaged and accompanied by a packing slip with a Quality Complaint Form (issued by customer service) and BOL (Bill of Lading).

EQUIPMENT INSPECTION VERIFICATION FORM PROCEDURE

Authorized Service Centers should use the Equipment Inspection Verification Form to help determine if the customer request fits the scope of a return or warranty claim. Authorized Service Centers personnel should complete the form with the help of the requesting customer. This form should be submitted to Customer Service for review to fax: (800) 443-1092. Service Centers should wait for declaration of action from Customer Service before service or a return takes place.

REPLACEMENT AND / OR REFUND OF GOODS

Current stock inventory items returned are subject to a 10% restocking fee.

Non-stock inventory items, special order items and product over one year from the original invoice date will not be accepted without prior written approval from the regional sales manager.

All return products must be accompanied with an RGA (Return Goods Authorization) number assigned by Saint-Gobain Abrasives, Inc. All unauthorized returns will not be accepted.

Any piece of equipment that is physically or cosmetically altered (i.e. distributor labels/decals, missing parts etc.) will be subject to an additional processing fee of $50.00 in addition to total cost of replacement parts.

All products returned for replacement or refund should be in the original cartons and must be accompanied by a packing slip with the following information:

- Warranty Claim Form
- Your company name, address and account number
- List of items returned & reason(s) for return(s)
- Original invoice information for each item

If your claim includes a necessary return or exchange, the customer service representative will provide the return shipment location for product assigned to each Warranty Claim Form.

Shipment Location:

DCE (Distribution Center East)
Saint-Gobain Abrasives, Inc.
1001 Perry Road
Plainfield, IN 46168
317-837-0700

WARRANTY REPLACEMENT PARTS PROCEDURE

Norton Distributor Authorized Service Centers

- Submit standard purchase order for warranty parts. Orders will be processed and invoiced. After warranty service has taken place the Authorized Service Center will submit the following documentation to Customer Service; Warranty Claim. Credit will be issued against warranty claim to account.

Non-Distributing Authorized Service Centers

- Submit standard purchase order for warranty parts. Orders will be processed and invoiced. After warranty service has taken place the Non-distributing Authorized Service Center will submit the following documentation to Customer Service; Warranty Claim. A check will be issued to offset the warranty work.

OEM SERVICE CENTER LOCATIONS

For quick, reliable warranty service on various components of Norton Clipper equipment, please refer to this list of authorized service centers. The web sites will provide individual locations or you may contact them directly at the numbers listed. Please remember that all motor warranty work is to be conducted by the motor manufacturer.

ELECTRIC MOTORS

Baldor Electric Motor Company
Phone: 479-646-4711
Fax: 479-648-5792
Web: www.baldor.com/support/service_centers/locator/svc_centers_mtr.asp

DRILL MOTORS

Milwaukee Electric Tool
Phone: 1-800-729-3878
Fax: 1-800-638-9582
Web: www.milwaukeetool.com/parts-service/find-service-center

ENGINES

Briggs & Stratton
Commercial Power (Vangaurd)
Phone: 1-800-999-9333
Web: www.briggsandstratton.com/us/en/support/dealerlocator

Honda
Phone: 770-497-6400
Fax: 678-339-2519
Web: engines.honda.com/dealer-locator

Kubota
Phone: 847-955-2500
Fax: 847-955-2699
Web: www.kubotaengine.com/distributor/engine_usa.html

Subaru Power
Phone: 800-227-6246
Web: www.subarupower.com

VACUUM PUMPS

Gast Manufacturing, Inc.
Phone: 269-926-6171
Fax: 269-927-0808
Web: www.gastmfg.com/distribution.html

HYDRAULIC SYSTEMS

Bucher Hydraulics, Inc.
(Monarc Hydraulic Pumps)
Phone: 616-458-1306
Fax: 616-458-1616
Web: www.bucherhydraulics.com

Eaton Hydraulics
(Hydrostatic Transmissions)
Phone: 800-386-1911 (Inside US)
Fax: 216-523-5000
Web: www.eaton.com/EatonCom/Markets/Hydraulics/DistributorLocator/index.htm

Energy Manufacturing Company
(Hydraulic Cylinders)
Phone: 319-465-3537
Fax: 319-465-5279
Web: www.energymfg.com

Hydro-Gear, Inc.
(Hydrostatic Transmissions)
Phone: 877-728-7410
Fax: 217-728-7665
Web: www.hydro-gear.com

Stone Hydraulics (SPX)
Phone: 800-477-8326 | 800-729-4104 (International)
Fax: 800-765-3826
Web: www.spx.com

EQUIPMENT INSPECTION REQUEST FORM

This is not a warranty claim or return authorization form.

We stand behind Norton products and strive to provide you with only the highest quality products, materials and service. Our highly qualified analysts can provide a thorough evaluation based on accurate information obtained below. Please complete the request and provide as much detail as possible to help us serve you better. Fax the completed form to our customer service department at 800-443-1092. Allow 24 - 48 hours for us to investigate and research. If it is determined that a Quality Complaint Authorization Number is needed, you will receive the number on a form that MUST be sent in with the returned product.

NORTON CUSTOMER ACCOUNT#: _____

DISTRIBUTOR NAME: _____

ADDRESS: _____

CITY/TOWN: _____ STATE/PROVINCE: _____ ZIP/POSTAL CODE: _____

CONTACT NAME: _____ PHONE#: _____ FAX#: _____

SALES ORDER# / INVOICE# / PO# FOR PRODUCT TO BE EVALUATED: _____

DATE OF PURCHASE: _____

UPC#: _____ MODEL#: _____ SERIAL#: _____

WHAT TYPE OF MACHINE IS IT?

NEW USED

GAS/DIESEL ELECTRIC (SINGLE OR 3 PHASE) VOLTAGE: _____

HAS FUEL BEEN ADDED TO THE TANK?

YES NO

HAS THIS UNIT BEEN CONNECTED TO ELECTRICAL POWER?

YES NO

WAS THE DAMAGE ON THE MACHINE DUE TO THE CARRIER?

YES NO

PLEASE PROVIDE A DETAILED PHYSICAL DESCRIPTION OF THE EQUIPMENT ALONG WITH THE ISSUE REQUIRING SERVICE:

SIGNATURE: _____ DATE: _____

NORTON SAINT-GOBAIN

clipper®

Return to:
Saint-Gobain Abrasives, Inc.
2770 West Washington Street
Stephenville, TX 76401-3798
Phone Toll Free: 1 (800) 554-8003
Fax Toll Free: 1 (800) 443-1092
www.**nortonconstructionproducts.com**

FORM #8107

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WARRANTY CLAIM FORM

All information must be completed to avoid a delay in credit processing or possible credit rejection.

NORTON CUSTOMER ACCOUNT#: _____

DISTRIBUTOR NAME: _____

ADDRESS: _____

CITY/TOWN: _____ STATE/PROVINCE: _____ ZIP/POSTAL CODE: _____

CONTACT NAME: _____ PHONE#: _____ FAX#: _____

(CUSTOMER USE ONLY)

UPC#: _____ MODEL#: _____ SERIAL#: _____

Product Owner:

NAME: _____

ADDRESS: _____

CITY/TOWN: _____ STATE/PROVINCE: _____ ZIP/POSTAL CODE: _____

CONTACT NAME: _____ PHONE#: _____ FAX#: _____

DESCRIPTION OF ISSUE:

QTY	PART# / UPC#	DESCRIPTION	PRICE

PARTS TOTAL	_____
MISCELLANEOUS	_____
LABOR	_____
TOTAL CLAIM	_____

NORTON SAINT-GOBAIN

clipper®

Saint-Gobain Abrasives, Inc.
2770 West Washington Street
Stephenville, TX 76401-3798
Phone Toll Free: 1 (800) 554-8003
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www.**nortonconstructionproducts.com**

FORM #8108

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NOTES

NORTON
SAINT-GOBAIN

AUTHORIZED SERVICE CENTER
PROGRAM



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2770 West Washington Street
Stephenville, TX 76401-3798
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Fax Toll Free: 1 (800) 443-1092
www.**nortonconstructionproducts.com**

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