

Handles

Light Duty Plastic

Application

Handle for double doors to keep operators' hands from hitting when opening.

Technical Data

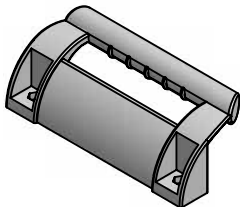
Glass-Fiber Reinforced Plastic
Black Matte Finish

Recommended Fasteners (Order Separately)

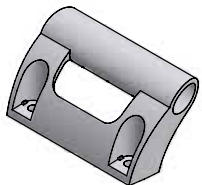
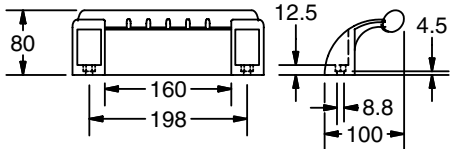
Series	Screws	T-Nuts
40/1.5"	24-316-8	20-058
30	24-312-8	20-058
28	24-312-8	20-057

Ordering Information

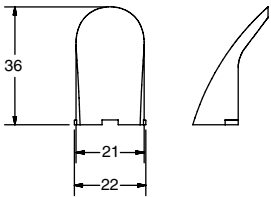
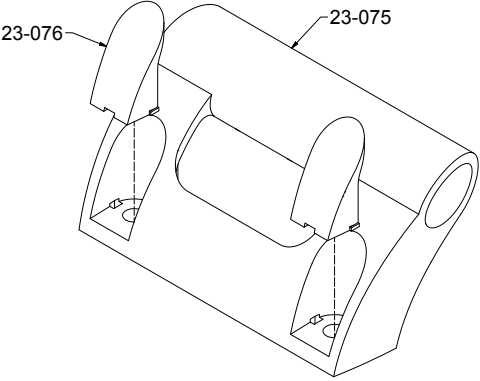
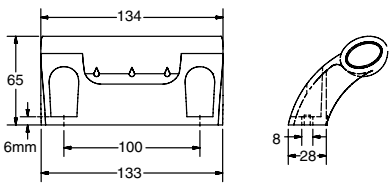
Description	Unit	Weight [g]	Part #
Large Angled Handle	Each	356	23-074
Open Angled Handle	Each	114	23-075
Caps for 23-075	Set	3	23-076



23-074*



23-075

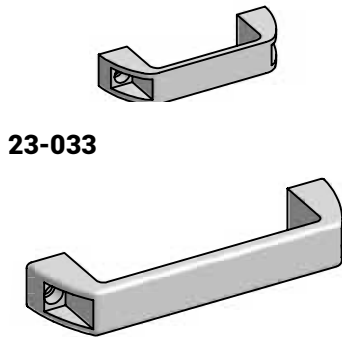


23-076

*No cap available

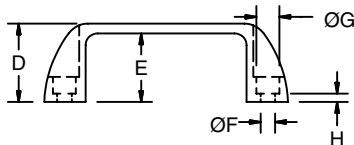
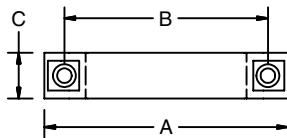
Handles,
Hinges, &
Latches

Plastic Handles



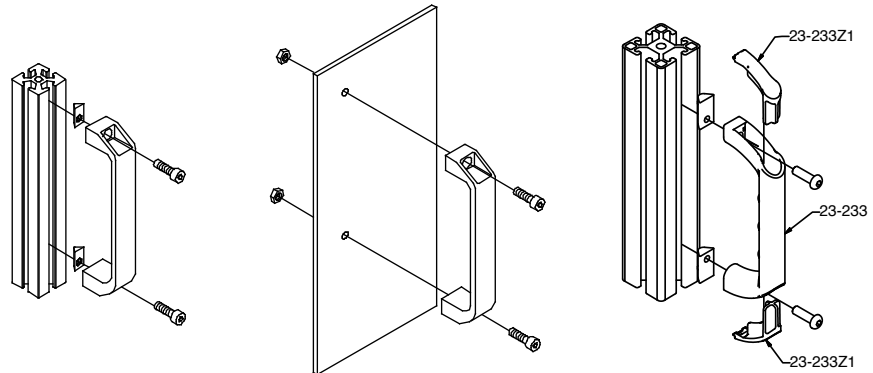
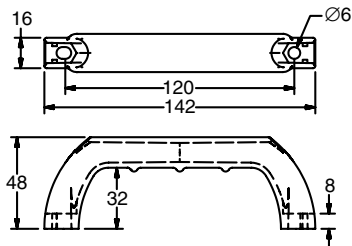
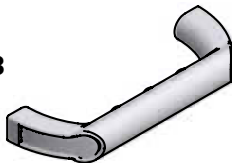
23-033

23-028



See chart for 23-028 and 23-033 dimensions

23-233



Application

Multipurpose handle for mounting onto panels or profiles. Hardware length is determined by applications.

Technical Data

Glass-Filled Nylon, Black

Recommended Fasteners (Order Separately)

Mounting to Profile Only

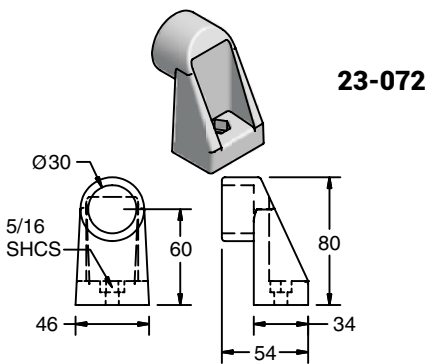
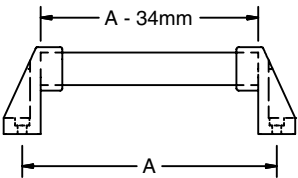
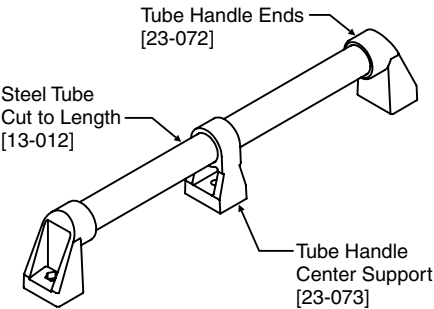
Part #	Series	Screws	T-Nuts
23-033	40	24-318-6	20-056
	30	24-316-6	20-056
	28	24-314-6	20-055
	1.5"	25-110-2	25-009
	1"	25-108-2	25-030
23-028	40/30	24-318-6	20-056
	28	24-316-6	20-055
23-233	20	24-114-5	20-045

Ordering Information

Dimensions								Wgt (g)	Part #
A	B	C	D	E	F	G	H		
112	93.5	21	36	30	6.5	10.5	6	33	23-033
170	152	28	52	45	6.5	10.5	8.5	70	23-028
See Drawing								26.2	23-233
Caps for 23-233 [2 per]								4	23-233Z1

Handles

Tube Handles



Application

Handle allows variable lengths. Order tube cut to length for a custom fit solution.

Cut length = A - 34mm

Technical Data

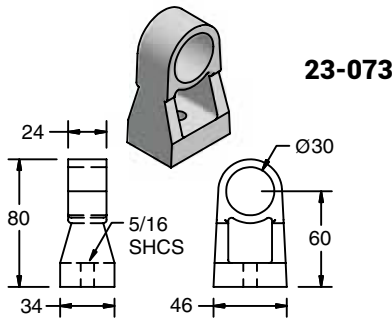
Polyamide, Black
Tube: Coated Steel

Recommended Fasteners (Order Separately)

Part #	Screws	T-Nuts
23-072	25-312-5	25-002
23-073	25-316-5	25-002

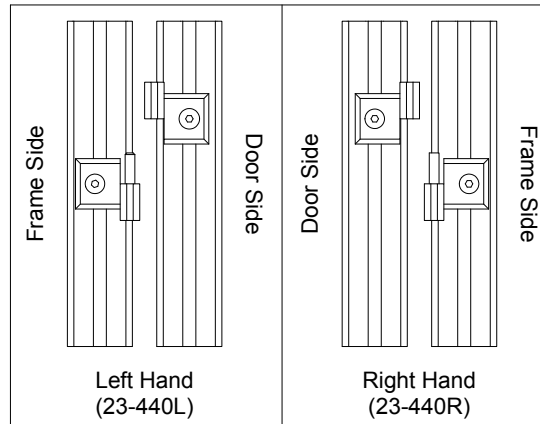
Ordering Information

Description	Unit	Weight [g]	Part #
Tube Handle Ends	Each	12.7	23-072
Center Support for handles over 36"	Each	7.6	23-073
Coated Steel Tube	Max. 2.5 meters	1.52 kg/m	13-012
Cut to Length Service Number			19-007



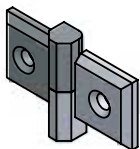
Handles,
Hinges, &
Latches

Lift-Off Hinges

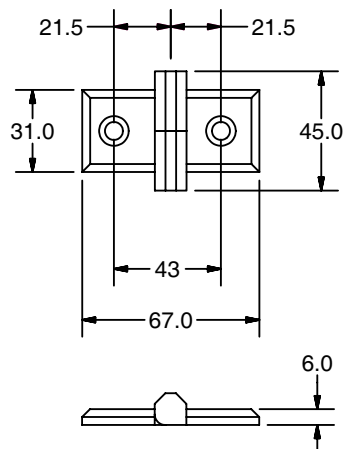


A lift-off hinge, also known as a loose joint hinge, allows a door to be removed from a frame without having to remove the fasteners. This is done by lifting the upper half of the hinge from the pin in the lower half of the hinge.

Lift-Off Hinge 40



23-440



Application

Versatile hinge for 40 series profiles. For lift-off and non-removable door configurations. Two T-slot alignment blocks are included.

Technical Data

Zinc Die-Cast, Black Powdercoat

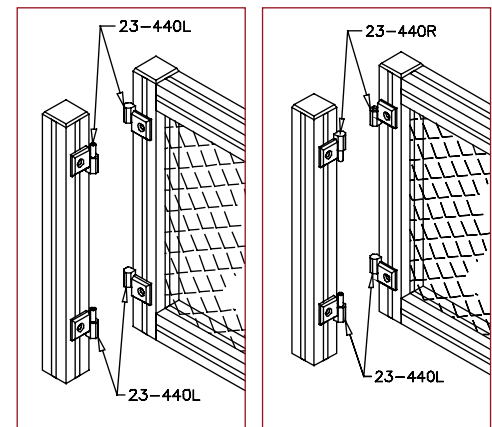
Pin: Steel, Zinc Plated

Recommended Fasteners (Order Separately)

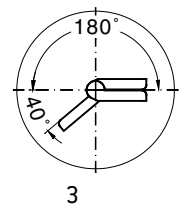
Screws	T-Nuts
24-216-6	20-056

Ordering Information

Description	Unit	Weight (g)	Part #
Lift-Off Hinge 40 Left	Each	70	23-440L
Lift-Off Hinge 40 Right	Each	70	23-440R

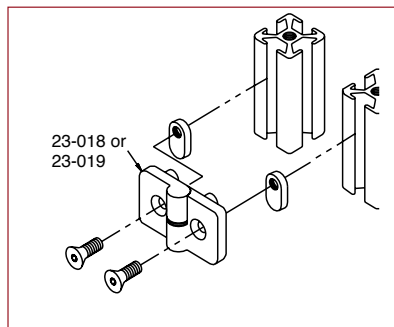


- 1 Lift-Off Door
- 2 Non-removable door
- 3 Range of swing

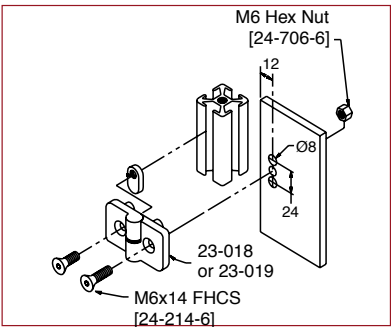


Lift-Off Hinges

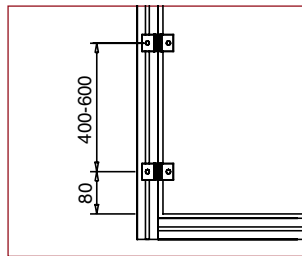
Light Duty 28



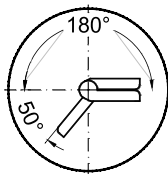
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2

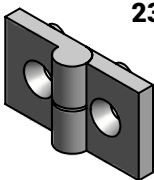


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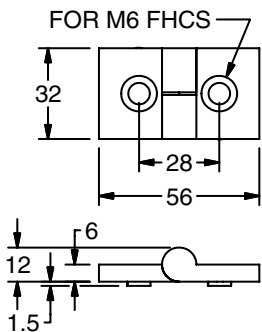


4

- 1-2 Attaching Light Duty Hinges 28 to 28 Series profiles and panels
3 Placement of hinges on panels
4 Range of swing



23-018 & 23-019



Application

For light doors and lids constructed of 28 Series profiles or light panel material.

Technical Data

Glass-Filled Nylon, Black
Max Force: 100 N [22 lbf]

Recommended Fasteners (Order Separately)

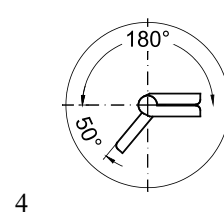
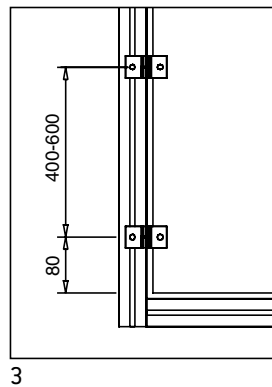
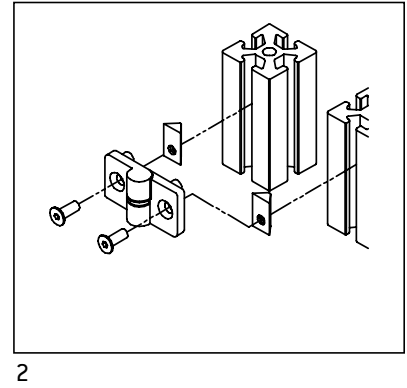
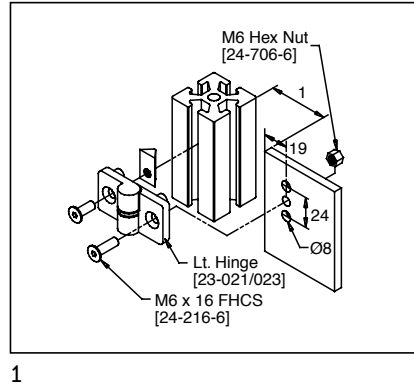
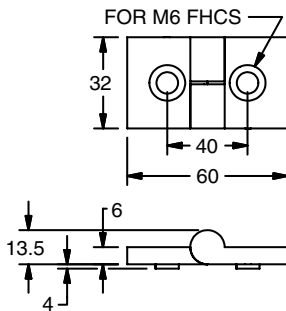
Screws	T-Nut	Hex Nut
24-212-6	20-055	24-706-6

Ordering Information

Description	Unit	Weight (g)	Part #
Light Duty Hinge 28, Right	Each	17	23-018
Light Duty Hinge 28, Left	Each	17	23-019

Light Duty 40

23-021 & 23-023



- 1-2 Attaching Light Duty Hinges 40 to 40 Series profiles and panels
- 3 Placement of hinges on panels
- 4 Range of swing

Application

For light doors and lids constructed of 40 Series profiles or light panel material

Technical Data

Glass-Filled Nylon, Black
Max Force: 100 N (22 lbf)

Recommended Fasteners (Order Separately)

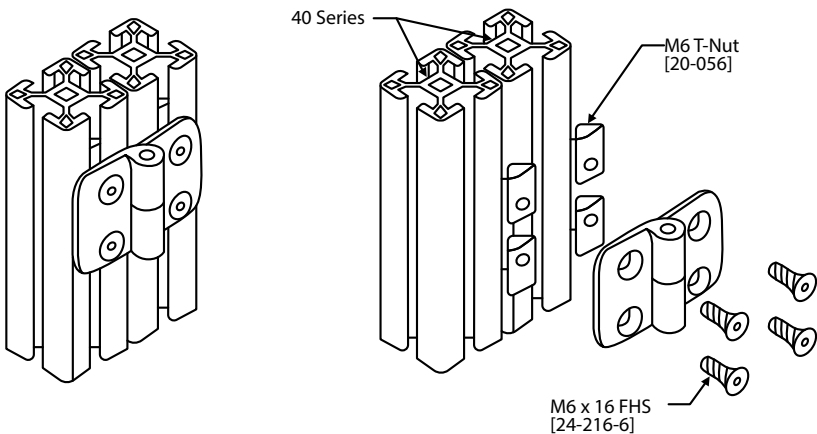
Series	Screw	T-Nut	Hex Nut
40	24-216-6	20-080	24-706-6

Ordering Information

Description	Unit	Weight [g]	Part #
Light Duty Hinge 40, Right	Each	21	23-021
Light Duty Hinge 40, Left	Each	21	23-023

Lift-Off Hinges

Medium Duty Plastic (Metric)



Application

High-quality plastic hinges for constructing medium duty guard/enclosure doors.

Technical Data

Glass-Filled Nylon, Black
Stainless Steel Pin

Max Force:
23-535: 400 N [90 lbf]
23-545: 450 N [100 lbf]
23-550: 380 N [85 lbf]

Ordering Information

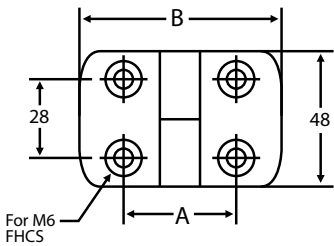
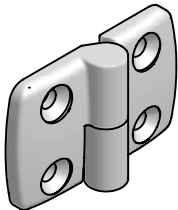
A	B	Hinge Type	Weight (g)	Part #
45	77	Left Side Mount	43	23-545L
		Right Side Mount	41	23-545R
35	59	Left Side Mount	35	23-535L
		Right Side Mount	33	23-545R
30	49	Left Side Mount	28	23-550L
		Right Side Mount	28	23-550R

Application Chart

Mounting Surface 1	Mounting Surface 2	Gap	Left Hinge	Right Hinge
40 Series	40 Series	5	23-545L	23-545R
40 Series	Panel	—		
28 Series	40 Series	1	23-535L	23-535R
30 Series	40 Series	0		
28, 40 Series	Panel	—	23-550L	23-550R
30 Series	30 Series	0		
30, 28 Series	Panel	—		
28 Series	28 Series	7		

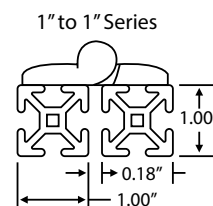
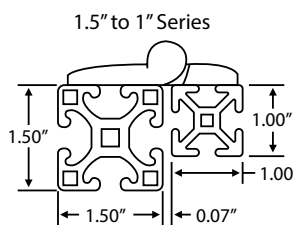
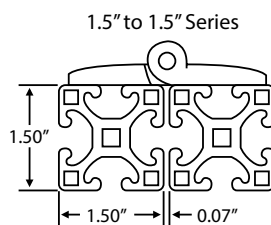
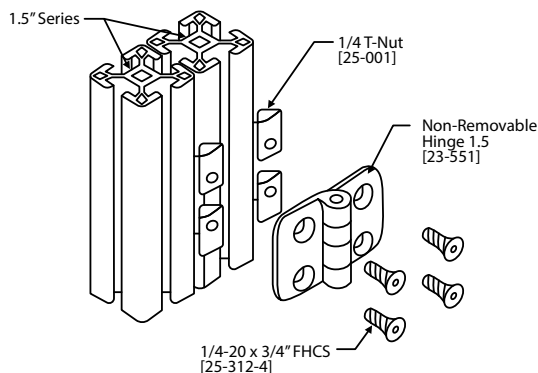
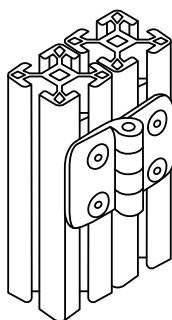
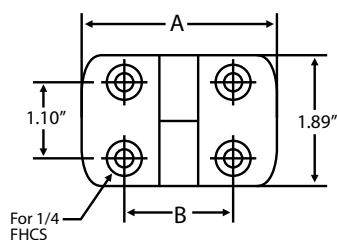
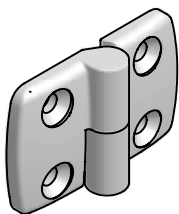
Recommended Fasteners (Order Separately)

Series	Screw	T-Nut	Panel	Screw	T-Nut
28	24-214-6	20-055	6mm Panel	—	—
30	24-214-6	20-056	6mm Panel	24-220-6	24-716-6
40	24-216-6	20-056	8mm Panel	24-220-6	24-716-6



Lift-Off Hinges

Medium Duty Plastic (Inch)



Application

High-quality plastic hinges for constructing medium duty guard/enclosure doors.

Technical Data

Glass-Filled Nylon, Black
Stainless Steel Pin

Max Force:
23-550: 380 N (85 lbf)
23-551: 400 N (90 lbf)
23-552: 400 N (90 lbf)

Recommended Fasteners (Order Separately)

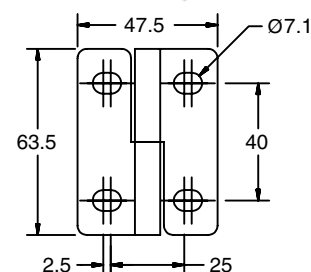
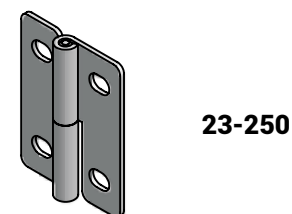
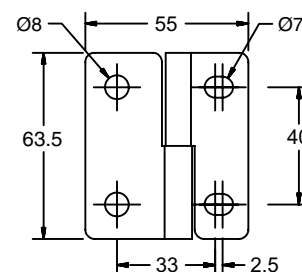
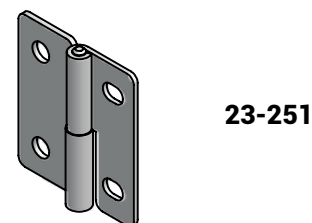
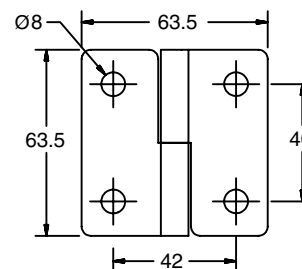
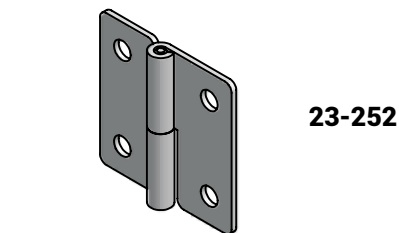
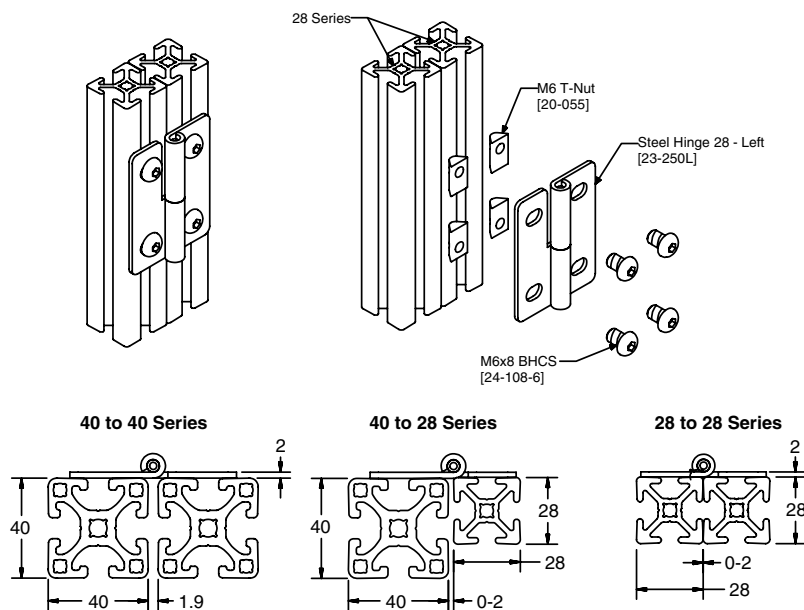
Series	Screws	T-Nuts
1.5"	25-212-4	25-001
1"	25-208-4	25-031

Ordering Information

A	B	Hinge Type	Weight (g)	Part #
2.74"	1.57"	Left Side Mount, 1.5" to 1.5"	43	23-551L
		Right Side Mount, 1.5" to 1.5"	41	23-551R
1.93"	1.18"	Left Side Mount, 1" to 1"	28	23-550L
		Right Side Mount, 1" to 1"	28	23-550R

Lift-Off Hinges

Steel



Handles,
Hinges, &
Latches

Application

Steel hinges for constructing guard/enclosure doors. Lift-off option allows access into enclosure. Specify a left hand or right hand lift-off hinge set depending on required direction of door opening.

Technical Data

Steel, Black Zinc Plated

Recommended Fasteners (Order Separately)

Series	Screws	T-Nuts
40	24-112-8	20-058
28	24-108-6	20-055
1.5"	25-108-4	25-001
1"	25-106-4	25-031

Ordering Information

Description

Steel Hinge 40/1.5" - Left
 Steel Hinge 40/1.5" - Fixed
 Steel Hinge 40/1.5" - Right
 Steel Hinge 40/1.5" to 28/1" - Left
 Steel Hinge 40/1.5" to 28/1" - Fixed
 Steel Hinge 40/1.5" to 28/1" - Right
 Steel Hinge 28/1" - Left
 Steel Hinge 28/1" - Fixed
 Steel Hinge 28/1" - Right

Unit*	Weight (g)	Part #
Each	18	23-252L
Each	18	23-252***
Each	18	23-252R
Each	14	23-251L
Each	14	23-251**
Each	14	23-251R
Each	13	23-250L
Each	13	23-250*
Each	13	23-250R

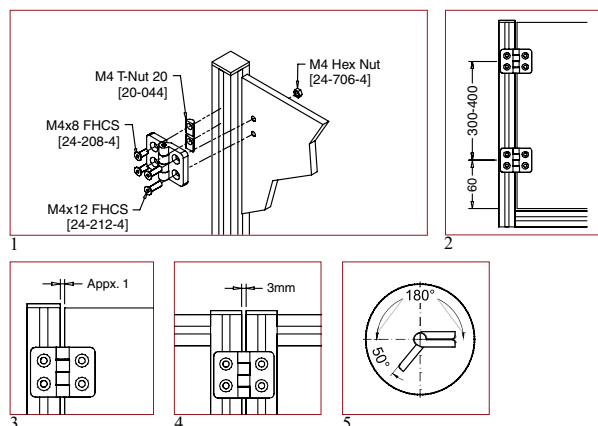
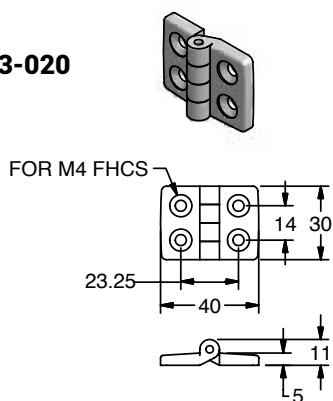
*Order 23-250L & 23-250R

**Order 23-251L & 23-251R

***Order 23-252L & 23-252R

Light Duty 20

23-020



- 1 Assembly of Hinge 20 on panel
- 2 Hinge positions
- 3-4 Clearance dimensions
- 5 Range of swing

Application

For light doors and lids constructed of 20 Series profiles

Technical Data

Glass-Filled Nylon, Black
Max Force: 200 N [45 lbf]

Recommended Fasteners (Order Separately)

Screws	T-Nuts
24-208-4	20-044

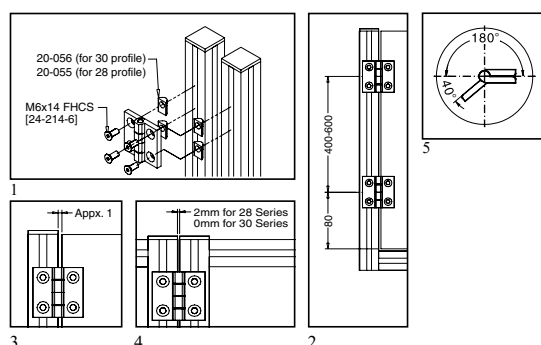
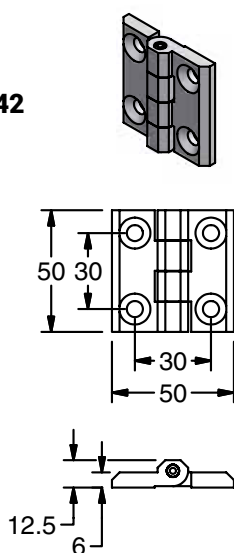
Ordering Information

Description
Hinge 20 Series

Unit Each
Weight (g) 7
Part # 23-020

Medium Hinge 30/28

23-242



- 1 Assembly of Medium Hinge 30/28 on profiles
- 2 Hinge positions
- 3-4 Clearance dimensions
- 5 Range of swing

Application

Suitable for medium loads such as machine and guard doors. Can be used with 30 or 28 Series profiles.

Technical Data

Zinc Cast, Black Powdercoat
Pin: Stainless Steel
Max Force: 1000 N [225 lbf]

Recommended Fasteners (Order Separately)

Series	Screws	T-Nut
30	24-214-6	20-056
28	24-214-6	20-055

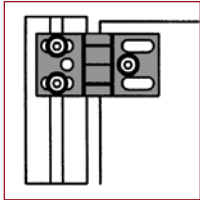
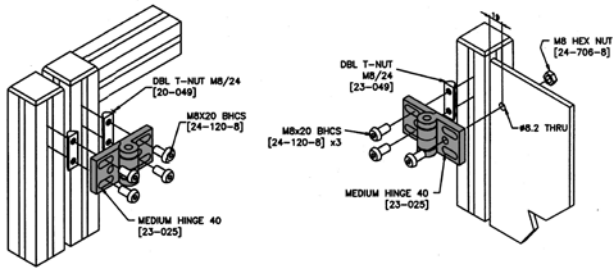
Ordering Information

Description
Medium Hinge 30/28

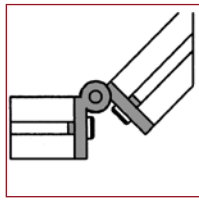
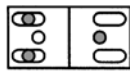
Unit Each
Weight (g) 86
Part # 23-242

Hinges

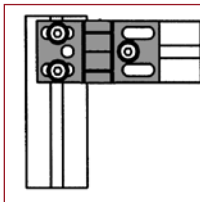
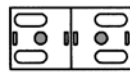
Medium Hinge



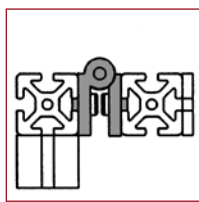
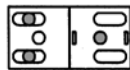
1 Fastening to vertical profile and panel element (all anti-torsion pins removed).



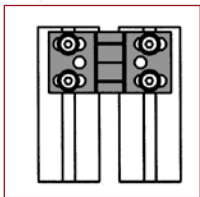
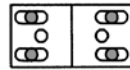
5 End face fastening of two profiles (with anti-torsion pins).



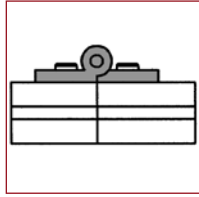
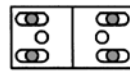
2 Fastening to vertical and horizontal profiles (2 anti-torsion pins removed).



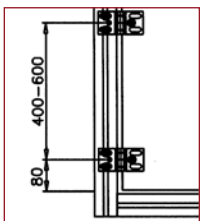
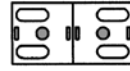
6 Connection of two horizontal profiles (all anti-torsion pins removed).



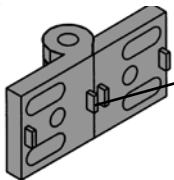
3 Fastening to vertical profiles (all anti-torsion pins removed).



7 Connection of two horizontal profiles (with anti-torsion pins)

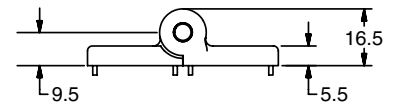
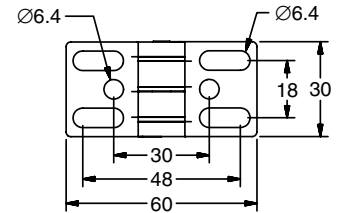
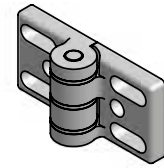


4 Positioning of hinges on a panel.

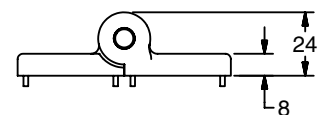
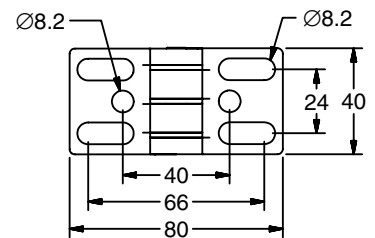
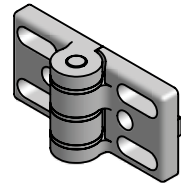


Anti-torsion pins can be removed with a screwdriver

23-024



23-025



Handles,
Hinges, &
Latches

Application

Suitable for medium loads such as machine and guard/enclosure doors, and as an angle connecting element for profiles. Fastens to T-Slot or profile face with integral anti-torsion pins for precise squaring.

Technical Data

Zinc Cast, Galvanized, Black

Max Force:

23-024: 350 N (78 lbf)

23-025: 500 N (112 lbf)

Recommended Fasteners (Order Separately)

Series	Screw	T-Nut
40	24-120-8	20-058
30	24-116-6	20-056

Ordering Information

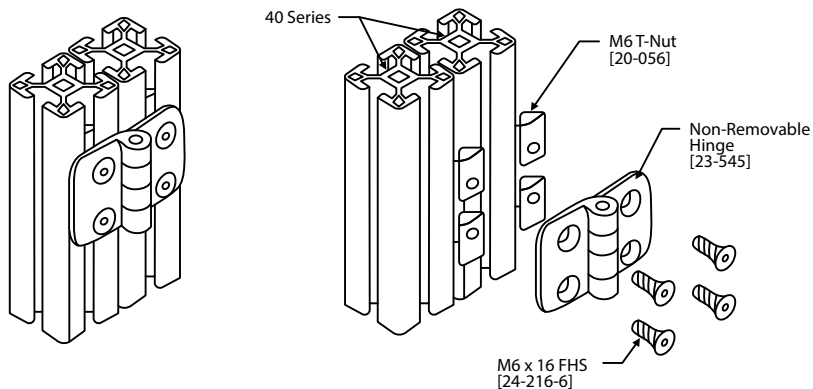
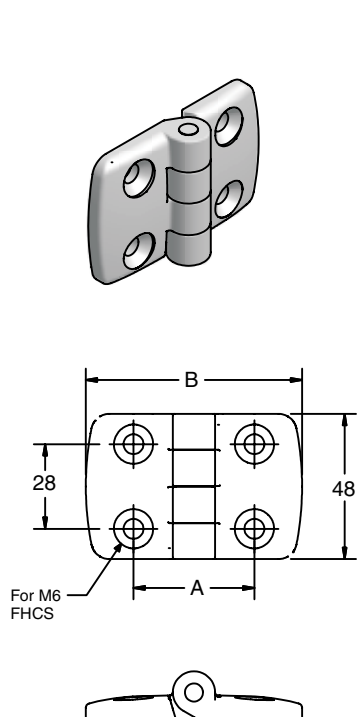
Description

Medium Hinge 30

Medium Hinge 40

Unit	Weight (g)	Part #
Each	180	23-024
Each	180	23-025

Medium Duty Plastic (Metric)



Application

High-quality plastic hinges for constructing medium duty guard/enclosure doors.

Technical Data

Glass-Filled Nylon, Black
Stainless Steel Pin

Max Force:

23-535: 400 N (90 lbf)

23-545: 450 N (100 lbf)

23-550: 380 N (85 lbf)

Ordering Information

A	B	Hinge Type	Weight (g)	Part #
45	77	Non Removable	43	23-545
35	59	Non Removable	35	23-535
30	49	Non Removable	28	23-550

Application Chart

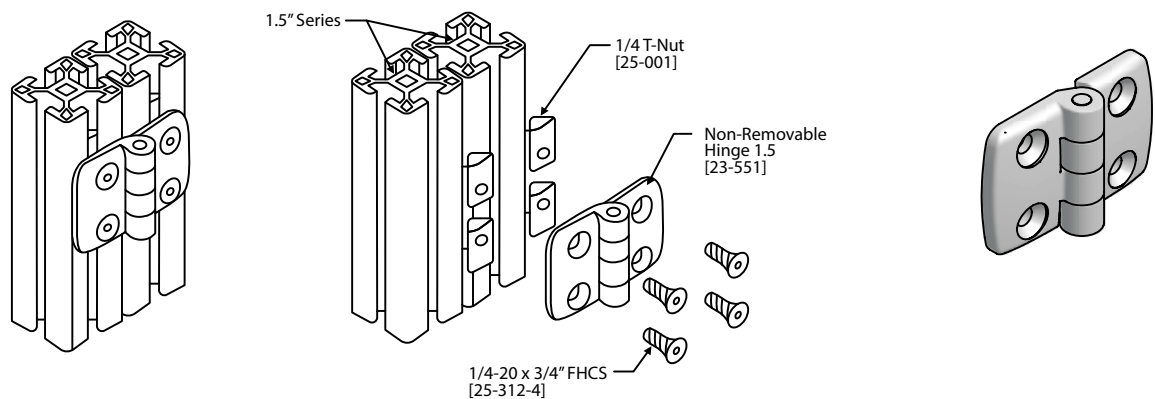
Mounting Surface 1	Mounting Surface 2	Gap	Non-Rem Hinge
40 Series	40 Series	5	23-545
40 Series	Panel	—	
28 Series	40 Series	1	23-535
30 Series	40 Series	0	
28, 40 Series	Panel	—	
30 Series	30 Series	0	23-550
30, 28 Series	Panel	—	
28 Series	28 Series	7	

Recommended Fasteners (Order Separately)

Series	Screw	T-Nut	Panel	Screw	T-Nut
28	24-214-6	20-055	6mm Panel	—	—
30	24-214-6	20-056	6mm Panel	24-220-6	24-716-6
40	24-216-6	20-056	8mm Panel	24-220-6	24-716-6

Hinges

Medium Duty Plastic (Inch)



Application

High-quality plastic hinges for constructing medium duty guard/enclosure doors.

Technical Data

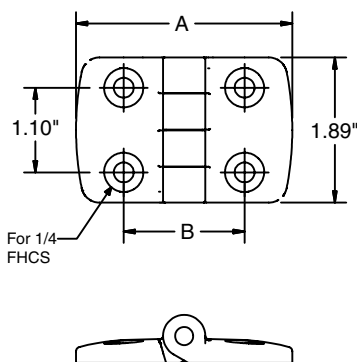
Glass-Filled Nylon, Black
Stainless Steel Pin

Max Force:

23-550: 380 N [85 lbf]

23-551: 400 N [90 lbf]

23-552: 400 N [90 lbf]



Recommended Fasteners (Order Separately)

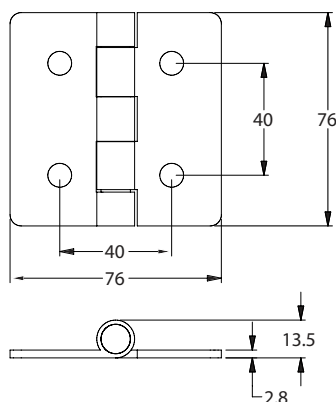
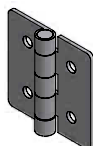
Series	Screws	T-Nuts
1.5"	25-212-4	25-001
1"	25-208-4	25-031

Ordering Information

A	B	Hinge Type	Weight (g)	Part #
2.74"	1.57"	Non Removable, 1.5" to 1.5"	43	23-551
2.28"	1.38"	Non Removable, 1.5" to 1"	35	23-552
1.93"	1.18"	Non Removable, 1" to 1"	28	23-550

Butt Hinge 40

23-011
23-011B



Application

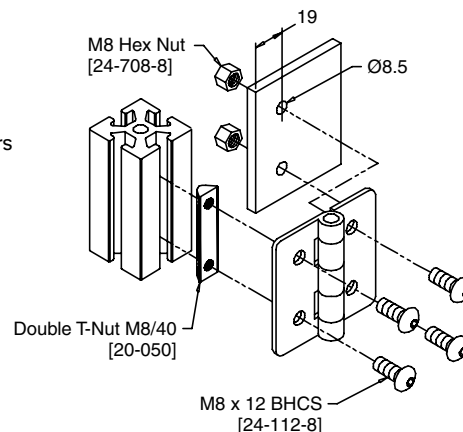
Steel hinge for constructing profile framed doors or panel doors.

Technical Data

Steel, Zinc Plated or Black Powdercoat.
Max Force: 250 N (56lbf)

Recommended Fasteners (Order Separately)

Mounting	Screws	T-Nuts	Hex Nuts
To 40 Series (Per Hinge Side)	24-112-8	20-050	—
To Panel (Per Hinge Side)	24-112-8	—	24-708-8

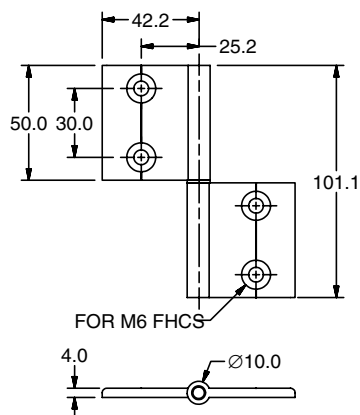
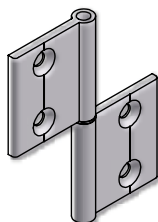


Ordering Information

Description	Unit	Wgt (g)	Part # (Clear)	Part # (Black)
Butt Hinge 40	Each	160	23-011	23-011B

Concealed

23-225



Application

For inside or concealed door or lids. Used with 40 and 1.5" Series profiles using M6 T-nuts. Concealed hinges are stackable to create non-removable hinges. To create a stackable hinge, order an additional hinge half and an additional hinge pin.

Technical Data

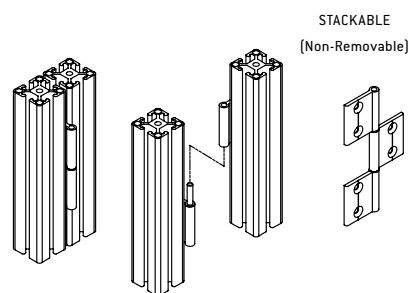
Wings: Aluminum, Clear Anodized
Bolt: Stainless Steel
Max Force: 225 N (50 lbf)

Recommended Fasteners (Order Separately)

Screws	T-Nuts
24-216-6	20-056

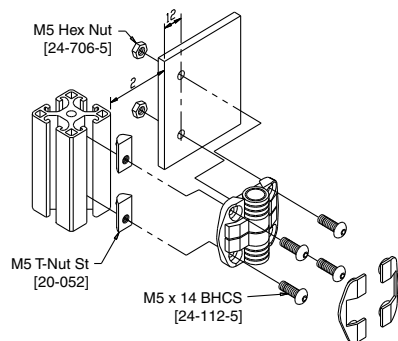
Ordering Information

Description	Unit	Weight (g)	Part #
Full Hinge	Set	39.8	23-225
Half Hinge	Each	24	23-225Z1
Hinge Pin	Each	11.8	23-225Z2



Hinges

Positioning



Application

120° position hinge for swinging doors.

Technical Data

Acetal, Black
Positioning Torque: 1.1 Nm [0.8 ft-lbf]
Max Force: 325 N [73 lbf]

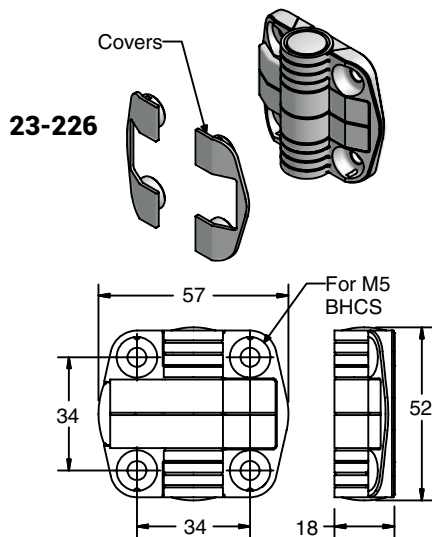
Recommended Fasteners (Order Separately)

Profile to Panel

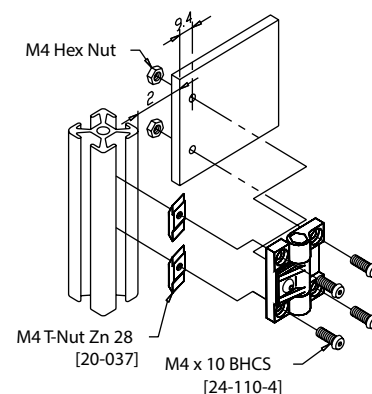
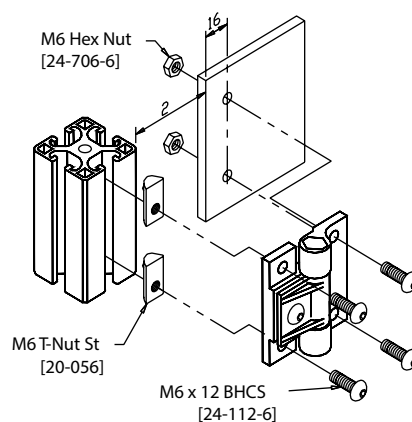
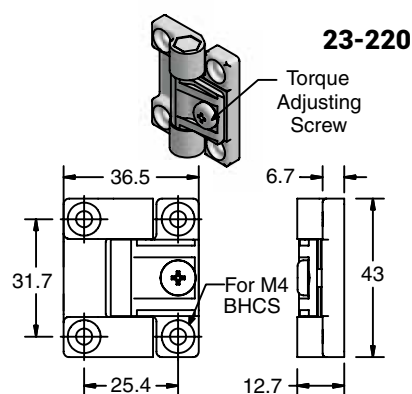
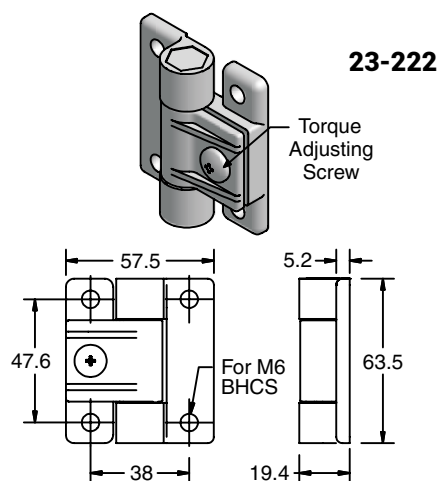
Screws	T-Nut	Hex Nut
24-112-5	20-052	24-706-5

Ordering Information

Description	Unit	Weight (g)	Part #
Positioning Hinge 120°	Each	37	23-226



Adjustable



Application

Adjustable tension hinge for swinging doors to hold door open, partially open or closed. Can also adjust speed of opening or closing. Tighten the torque adjusting screw to increase the holding force and slow the opening and closing speed. Loosen the torque adjusting screw to decrease the holding force and speed up the opening and closing of the door.

Technical Data

Acetal, Black
Polycarbonate Hinge Pin
Max Force:
23-220: 890 N (200 lbf)
23-224: 2000 N (450 lbf)

Recommended Fasteners (Order Separately)

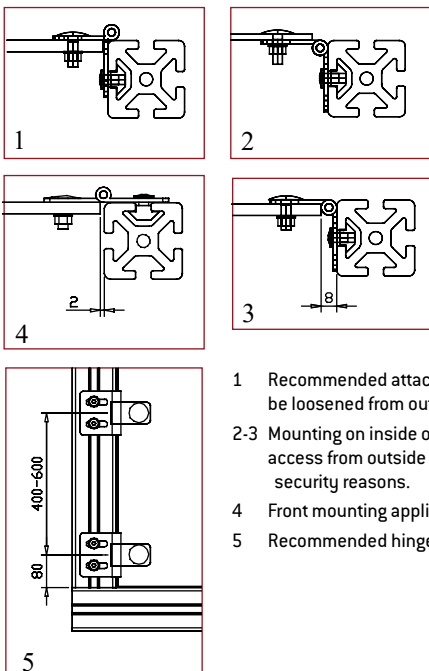
Part #	Series	Screws	T-Nut	Hex Nut
23-222	40	(2) 24-112-6 (2) M6 sized for panel	(2) 20-056	(2) 24-706-6
	1.5"	(2) 25-110-4	(2) 25-001	(2) 25-706-4
23-220	28	(2) 24-110-4 (2) M4 sized for panel	(2) 20-037	(2) 24-706-4
	1"	(2) 25-106-1	(2) 25-045	(4) 25-043

Ordering Information

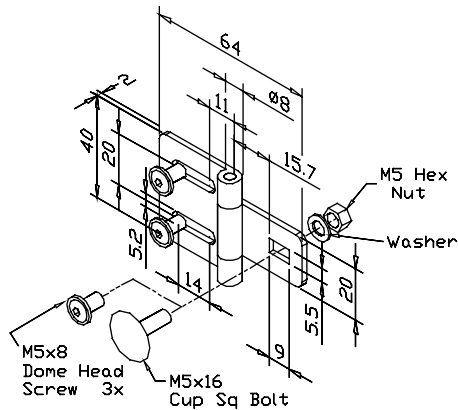
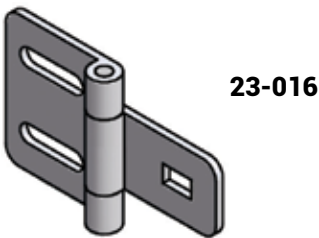
Description	Unit	Weight (g)	Part #
Adjustable Hinge 40/1.5"	Each	42	23-222
Adjustable Hinge 28/1"	Each	38	23-220

Hinges

Panel Hinge



- 1 Recommended attachment. Hinge cannot be loosened from outside. Door swings 180°
- 2-3 Mounting on inside of doors or lids where access from outside is not desired for security reasons.
- 4 Front mounting applications
- 5 Recommended hinge positions



Application

For outside or inside of doors and lids. Used with 40, 30, 28, 20 and 1.5" Series profiles using M5 T-nuts.

Technical Data

Steel, Black

Includes: M5x16 cup square bolt, M5 hex nut, M5 washer, three M5x8 dome head screws.

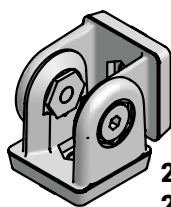
Order M5 T-nuts separately. Different hardware may be required, depending on application; order separately.

Max Force: 250 N (56 lbf)

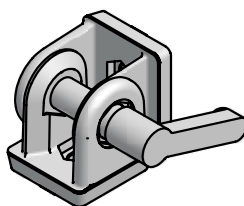
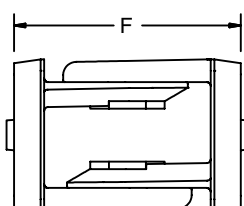
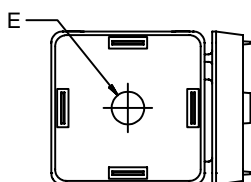
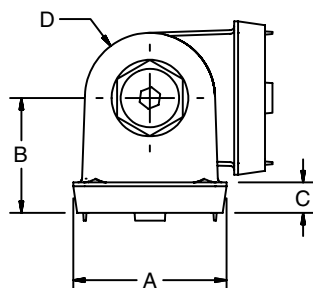
Ordering Information

Description	Unit	Weight (g)	Part #
Panel Hinge	Set	51	23-016

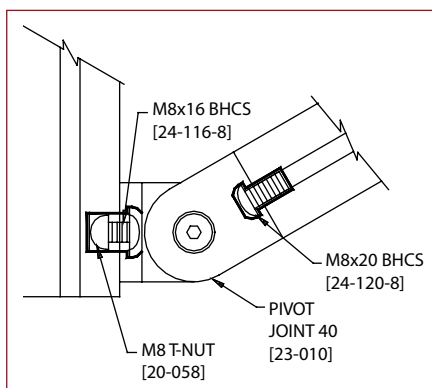
Pivot Joint



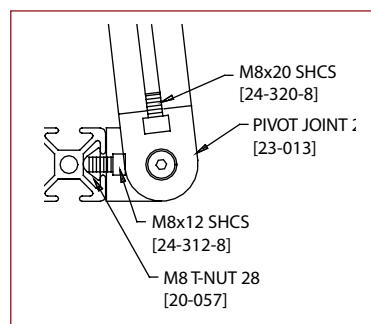
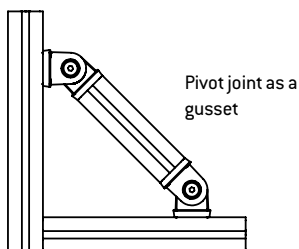
23-010 (B)
23-013 (B)
23-260
23-262



23-014 (B)
23-015 (B)
23-261
23-263



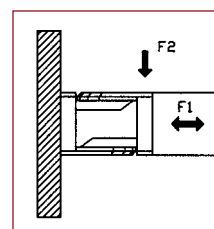
Attaching Pivot Joint 40
to 40 series profiles



Attaching Pivot Joint 28
to 28 series profiles

	Load — N (lbs)	
	F1	F2
23-010: Pivot Joint 40		
Fixed connection:	5000 (1124)	2500 (1502)
Movable connection:	750 (168)	750 (168)
23-013: Pivot Joint 28		
Fixed connection:	1600 (360)	800 (180)
Movable connection:	250 (56)	250 (56)

Series	Dimensions					
	A	B	C	D	E	F
40	40	30	9	40	8.5	60
28/30	28	22.5	7	27	8.3	45
1.5"	1.57"	1.18"	0.16"	1.34"	0.335"	2.36"
1"	1.10"	0.89"	0.28"	1.04"	0.260"	1.78"



Application

For connecting profiles at various angles from 0° to 180°. Eliminates the need for a miter cut. Die-cast inserts provide alignment with the profile end and prevents rotation.

Technical Data

Zinc Die-Cast, Galvanized
Finishes available: Clear or Black (B)

Recommended Fasteners (Order Separately)

Series	Attachment to T-Slot		Attachment to End of Profile
	Screws	T-Nut	Screws
40	24-116-8	20-058	24-120-8
28/30	24-312-8	20-057	24-320-8
1.5"	25-110-5	25-002	25-112-5
1"	25-108-4	25-031	25-112-4

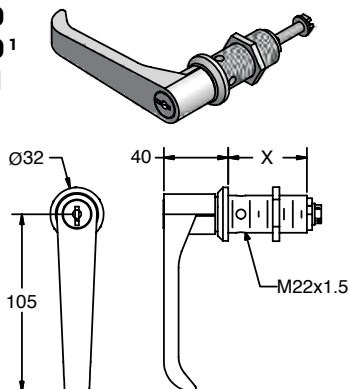
Pivot Joints

Ordering Information

Series	Description	Unit	Weight (g)	(Clear)	(Black)
40	Pivot Joint	Each	370	23-010	23-010B
	Pivot Joint with Clamp Handle	Each	410	23-014	23-014B
30, 28	Pivot Joint	Each	110	23-013	23-013B
	Pivot Joint with Clamp Handle	Each	180	23-015	23-015B
1.5"	Pivot Joint	Each	320	23-262	
	Pivot Joint with Clamp Handle	Each	410	23-263	
1"	Pivot Joint	Each	110	23-260	
	Pivot Joint with Clamp Handle	Each	180	23-261	

Quarter Turn Handle

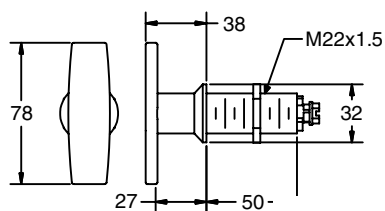
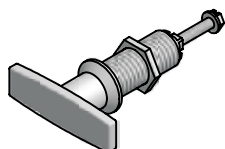
23-038¹
23-039
23-040¹
23-041



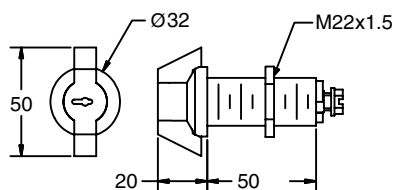
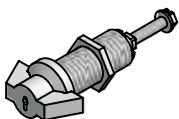
23-038, 23-039: X = 50

23-040, 23-041: X = 40

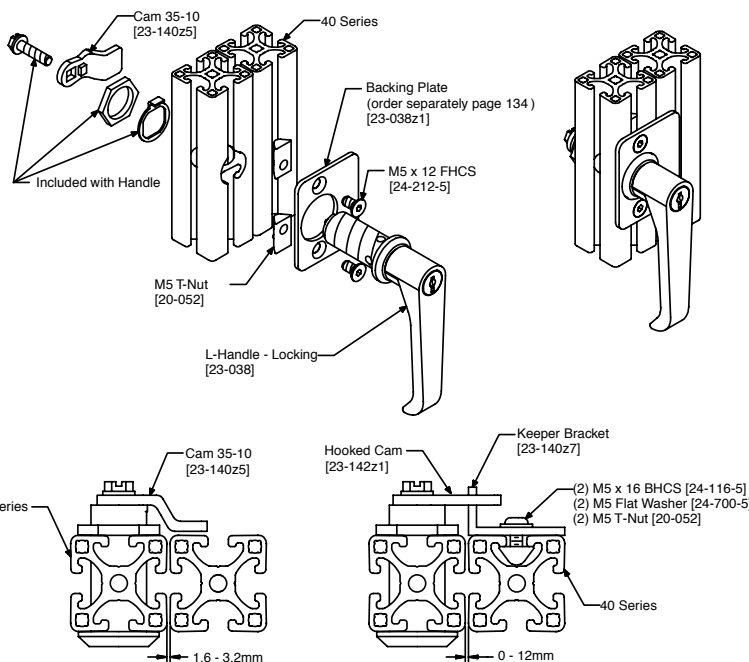
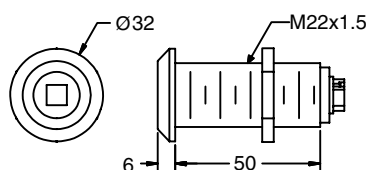
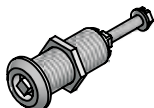
23-133



23-134¹



23-135²



Application

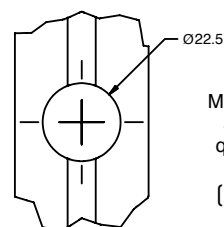
Used for swinging, sliding or bifold door applications. Latch mounts through machined hole in extrusion.

Technical Data

Handle: Polyamide, Black

Housing/Insert: Zinc Die-Cast, Black Powdercoat.

Service Charge 19-018



Machining for any of the quarter turn locks.
(19-018)

Ordering Information

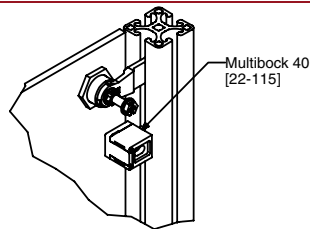
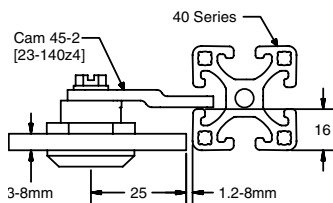
Profile Series	Description	Unit	Weight [g]	Part #
40	L-Handle, Locking*	Each	201	23-038
	L-Handle, Non-Locking*	Each	201	23-039
	T-Handle, Non-Locking*	Each	200	23-133
	Wing Knob, Locking*	Each	160	23-134
	Square Insert*	Each	50	23-135
28/30	L-Handle, Non-Locking*	Each	201	23-041
	L-Handle, Locking ¹ *	Each	201	23-040

* All locks come keyed alike except 28 Series; special keying options available as special order. Order spare key separately [see page 157].

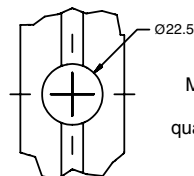
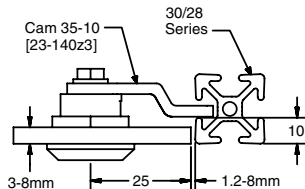


Latches

Quarter Turn Handle



Add a multiblock as a door stop for panel doors.



Machining for any of the quarter turn lock.
(19-018)

Application

Used for swinging door applications. Latch mounts directly to panel.

Ordering Information

Description

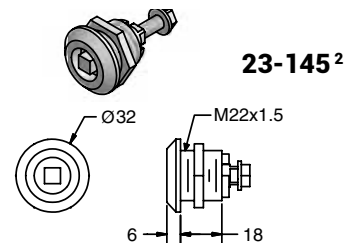
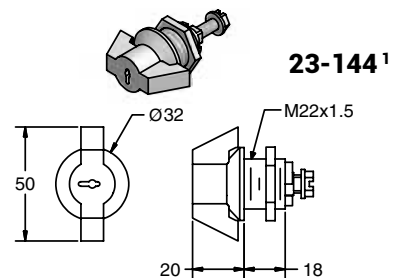
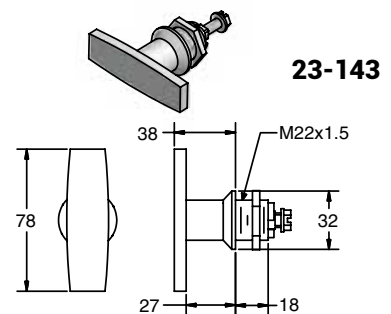
T-Handle, Non-Locking
Wing Knob, Locking*
Square Insert*

Unit	Weight [g]	Part #
Each	135	23-143
Each	90	23-144
Each	50	23-145

*All Locks come keyed alike; special keying options available as special order.
Order spare key separately (see page 154).

Technical Data

Handle: Polyamide, Black
Housing/Insert: Zinc Die-Cast, Black Powdercoat.
Service Charge 19-018

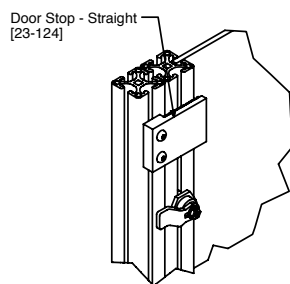


Cams & Keys

Application

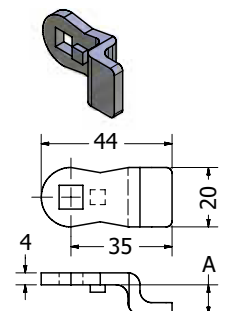
Various cams and keys for the quarter turn latches. You must order one cam per quarter turn lock.

Part #	Dimension A
23-140Z3	8
23-140Z4	2
23-140Z5	10
23-140Z6	-2

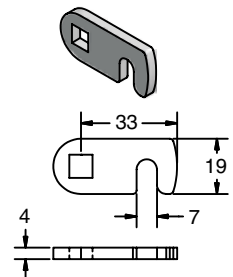


Add a door stop to swinging door to create a positive stop.

23-140Z4
23-140Z5
23-140Z6



23-142Z1



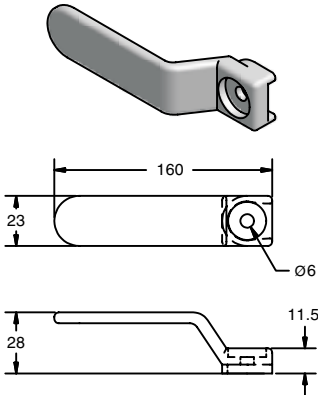
Ordering Information

Description

Cam 35-10 [offset 8]
Cam 35-16 [offset 2]
Cam 35-8 [offset 10]
Cam 35-20 [offset -2]
Hooked Cam
1 Spare Key for 23-038/23-040 & 23-134/23-144
2 Square Key for 23-135/23-145

Unit	Weight [g]	Part #
Each	22	23-140Z3
Each	22	23-140Z4
Each	18	23-140Z5
Each	20	23-140Z6
Each	13	23-142Z1
Each	4	23-140Z1
Each	4	23-140Z2





23-159

Inside Handle

Application

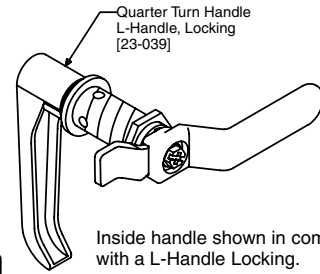
Can be combined with any of our quarter turn handles to extend operation to inside of door.

Technical Data

Polyamide, Red

Recommended Fasteners (Order Separately)

Quarter Turn Handle Part #	Screw	Washers
23-038, 23-039, 23-133	24-345-6	24-707-6, 24-711-6
23-040, 23-041	24-335-6	24-707-6, 24-711-6



Inside handle shown in combination with a L-Handle Locking.

Ordering Information

Description

Inside Handle

Unit

Each

Weight [g]

0.9

Part

23-159

Keeper Bracket

Application

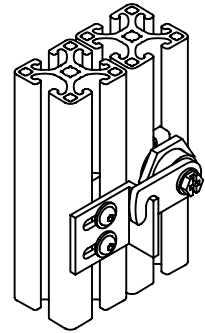
Keeper brackets are used with a hooked cam on bifold or sliding doors.

Technical Data

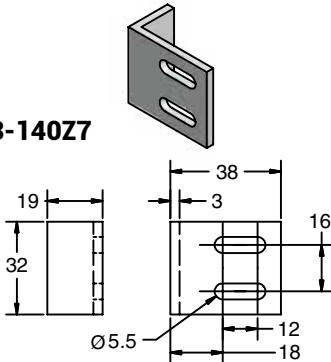
Aluminum, Clear Anodized

Recommended Fasteners (Order Separately)

Series	Screw	Washer	T-Nut
40	24-116-5	24-700-5	20-052
1.5"	25-110-2	25-700-2	25-009



23-140Z7



Backing Plate

Ordering Information

Keeper Bracket

Unit

Each

Weight [g]

13

Part

23-140Z7

Application

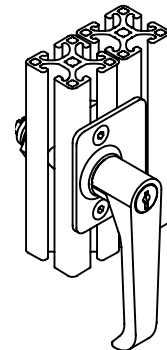
Backing plates can be added to a quarter turn latch and provide a positive stop for the door.

Technical Data

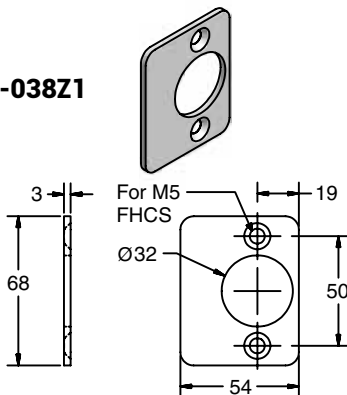
Steel, Matte Black Powder Coated

Recommended Fasteners (Order Separately)

Screws	T-Nut
24-212-5	20-052



23-038Z1



Ordering Information

Backing Plate

Unit

Each

Weight [g]

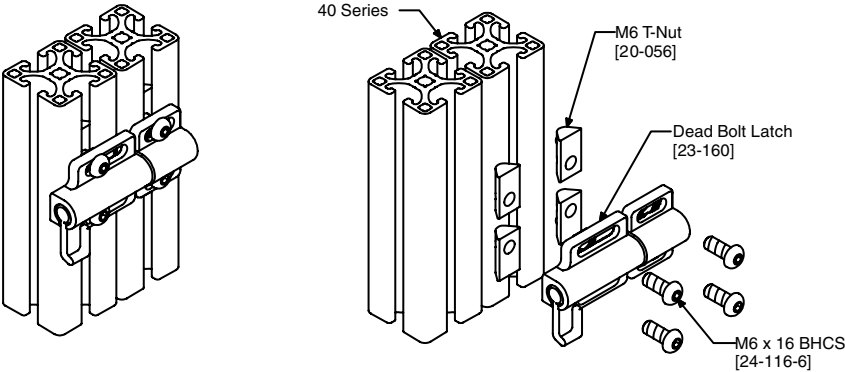
4.5

Part

23-038Z1

Door Latches

Deadbolt



Application

Designed to secure doors using a spring loaded latch mechanism. Combine with a door stop for an effective latching solution.

Technical Data

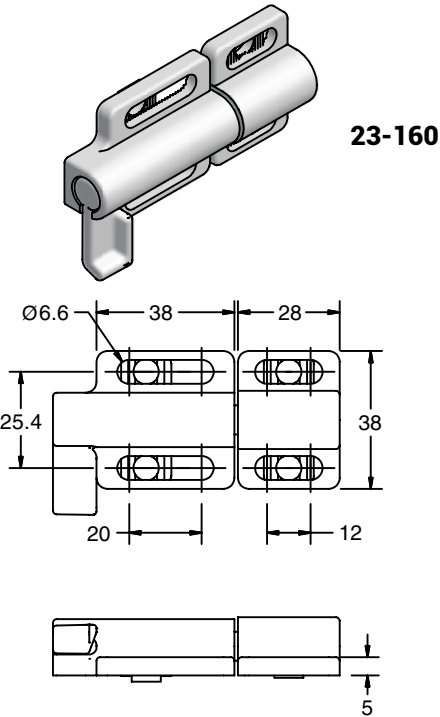
Die-Cast Zinc, Clear

Recommended Fasteners (Order Separately)

Profile Series	Screws	T-Nut
40	24-116-6	20-056
28/30	24-112-6	25-055
1.5"	25-110-4	25-001
1"	25-108-4	25-031

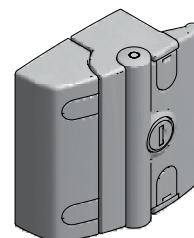
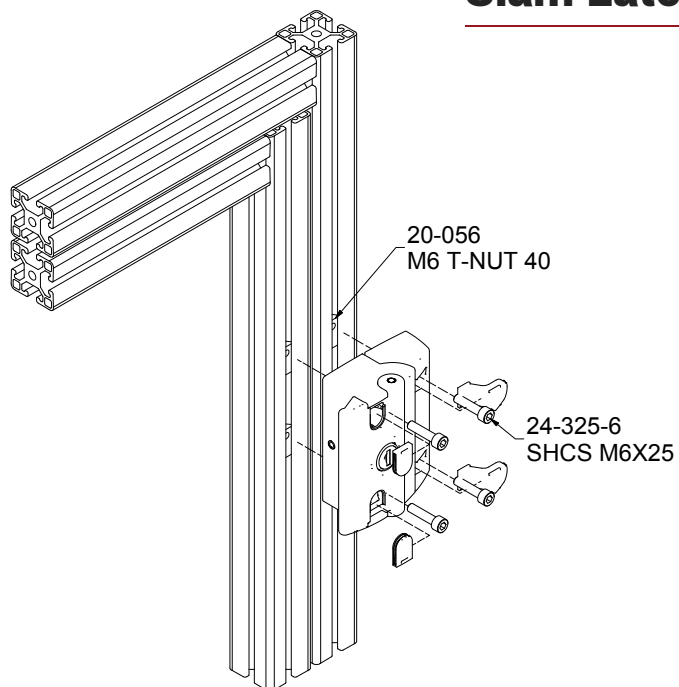
Ordering Information

Description	Unit	Weight [g]	Part #
Dead Bolt Latch Each	9	23-160	

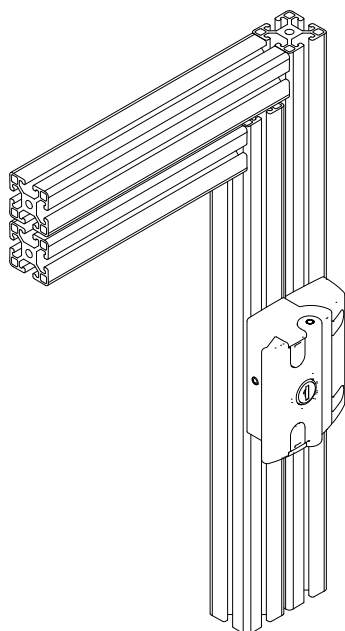
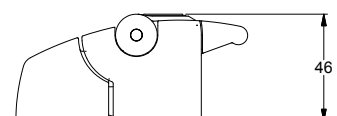
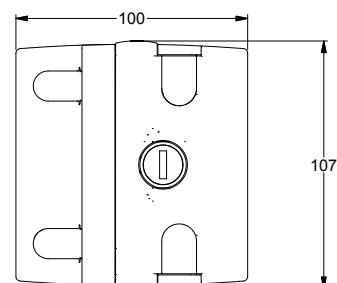


Handles,
Hinges, &
Latches

Slam Latch



23-155
23-156



Application

High strength latch designed to securely close door to the frame. An optional key locking version is available for extra security. Use with 40 and 1.5" Series only.

Ordering Information

Description

Slam Latch - Locking*

Slam Latch - Non-Locking

*All locks come keyed alike; special keying options available as special order.

Technical Data

Die-Cast Zinc, Black

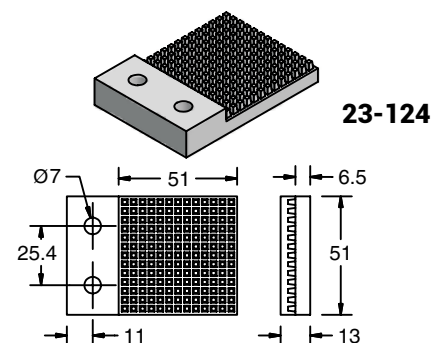
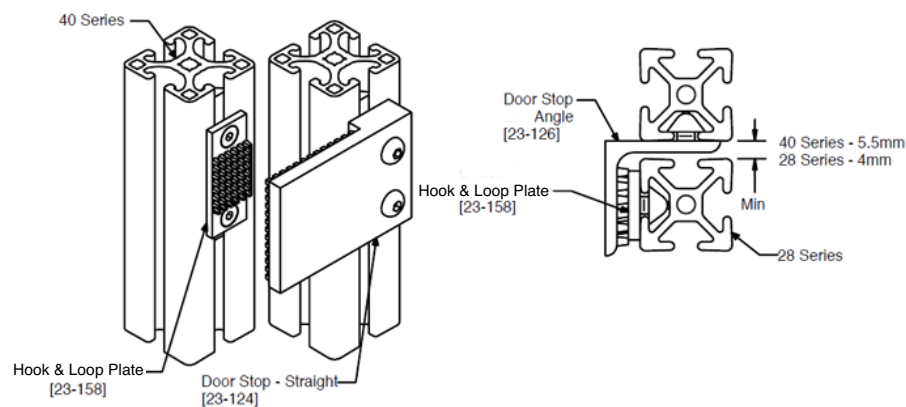
Recommended Fasteners (Order Separately)

Screw	T-Nut
24-316-6	20-056

Unit	Weight (g)	Part #
Each	370	23-155
Each	340	23-156

Door Catches

Light Duty Door Stops



Application

Door Stops provide a positive stop to keep the door lined up with a frame. A Hook & Loop plate can be added to create a light-duty catch.

Technical Data

Aluminum, Clear Anodized with Hook & Loop Pad

Recommended Fasteners (Order Separately)

Profile Series	Fastener	Part # 23-124	Part # 23-125	Part # 23-158
40/30	Screws	25-114-4	25-210-4	25-208-2
1.5"	T-Nuts	25-001	25-001	25-009
28	Screws	25-112-4	25-208-4	25-208-2
	T-Nuts	25-055	25-055	20-038
1"	Screws	25-112-4	25-206-2	25-206-2
	T-Nuts	25-031	25-030	25-030

Ordering Information

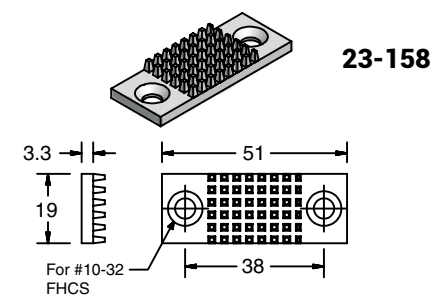
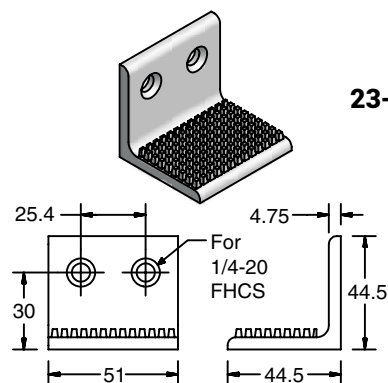
Description

Door Stop - Straight

Door Stop - Angle

Hook & Loop Plate

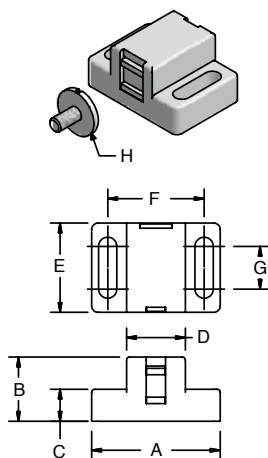
Unit	Weight (g)	Part #
Each	91	23-124
Each	91	23-125
Each	9	23-158



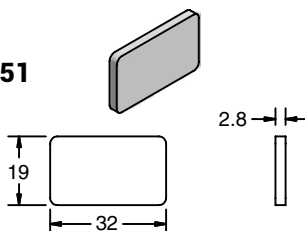
Handles,
Hinges, &
Latches

Magnetic Catches

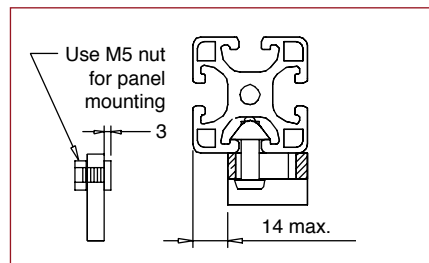
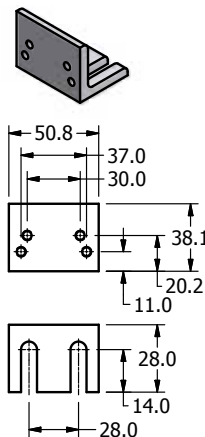
23-045
23-046



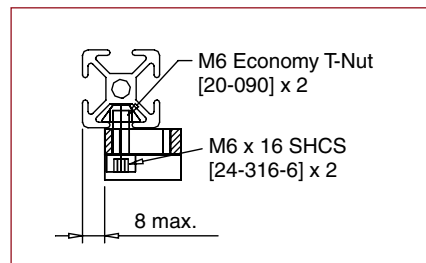
23-051



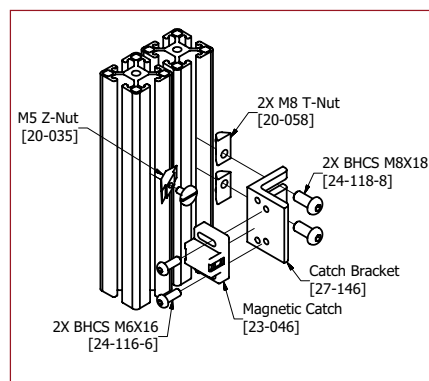
27-146



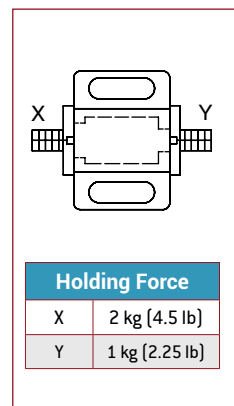
1



2



3



4

- 1 Mounting to 40 Series profile
- 2 Mounting to 28 Series profile
- 3 Assembly Bracket on 40 Series profile
- 4 Holding force for 23-046

Holding Force

X	2 kg [4.5 lb]
Y	1 kg [2.25 lb]

Application

Quick catch for swinging or sliding doors. For different holding strengths, rotate catch 180°. Adjustable mounting position using slotted holes and appropriate mounting bracket if needed. Complete with pan head screw, or add optional plate for smooth mounting

Technical Data

25-043 & 23-046 Magnetic Catch: Glass-Filled Nylon

23-051 Strike Plate: Steel, Zinc Plated with pressure sensitive adhesive backing.

27-146 Mounting Bracket: Aluminum, Clear Anodized.

Ordering Information

Series	A	B	C	D	E	F	G	H	Wgt (g)	Part #
40, 30, 28, 1.5"	40	20	10	18.32	27.8	30	12.9	M5x12	38	23-046
20, 1"	28	14	6	12	17	20	7.7	M4x5	9	23-045
All	See drawing								8	23-051

Magnetic Catches

Recommended Fasteners (Order Separately)

Magnetic Catch Mounting Options

Series	Part #	Type	Mounted to Extrusion	Mounted to Bracket (Part Number 27-146)
40	23-046	Screw	24-120-6	24-116-6
		T-Nut	20-056	—
30	23-046	Screw	24-316-6	24-116-6
		T-Nut	20-090	—
28	23-046	Screw	24-316-6	24-116-6
		T-Nut	20-090	—
20	23-045	Screw	24-110-4	Extrusion Only
		T-Nut	20-044	
1.5"	23-046	Screw	25-112-4	24-116-6
		T-Nut	25-001	—
1.0"	23-045	Screw	25-108-2	Extrusion Only
		T-Nut	25-030	

Magnet Mounting Options

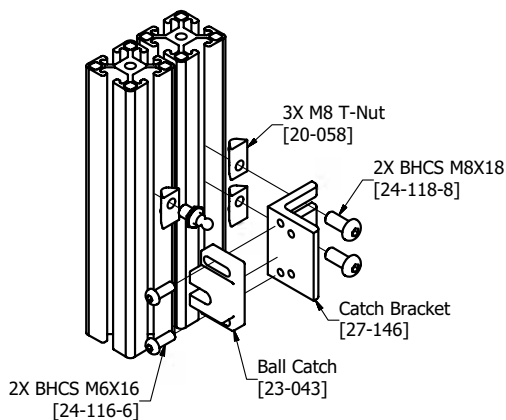
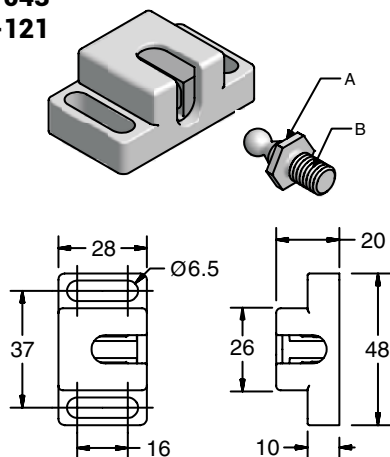
Series	Part #	Type	Screw (comes with the catch)	Strike Plate (Part Number 23-051)
40	23-046	T-Nut	20-035	—
30	23-046	T-Nut	20-038	—
28	23-046	T-Nut	20-038	—
20	23-045	T-Nut	20-045	—
1.5"	23-046	T-Nut	20-035	—
1.0"	23-045	T-Nut	Strike Plate Only	—

Bracket Mounting Options

Series	Part #	Type	Mounted to Extrusion	
40	27-146	Screw	24-118-8	
		T-Nut	20-058	
30	27-146	Screw	24-116-8	
		T-Nut	20-058	
28	27-146	Screw	24-114-8	
		T-Nut	20-057	
1.5"	27-146	Screw	25-110-5	
		T-Nut	25-002	

Ball Catch

23-043
23-121



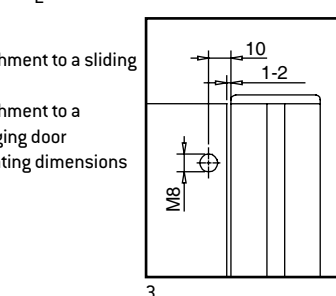
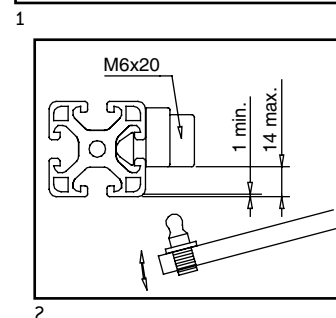
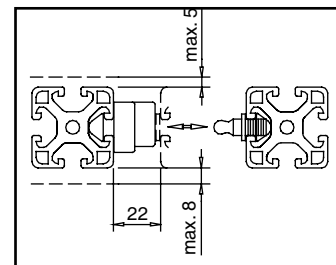
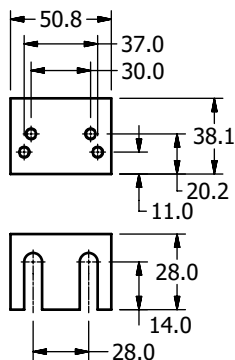
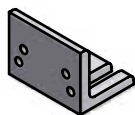
Application

Catch for use on swinging and sliding doors. Brackets can be used to mount the catch in the location that you desire.

Technical Data

Housing: Glass-filled Nylon, Black
Ball Screw: Stainless Steel
Bracket: Aluminum, Anodized
Holding Strength: 3-5 kg (6-110 lbs)

27-146



- 1 Attachment to a sliding door
- 2 Attachment to a swinging door
- 3 Mounting dimensions

Ordering Information

Series	Description	A (Hex)	B (Thread)	Unit	Wgt (g)	Part #
40	Ball Catch	13	M8	Each	23	23-043
40/1.5"	Ball Catch	1/2"	1/4-20	Each	29	23-121

Recommended Fasteners (Order Separately)

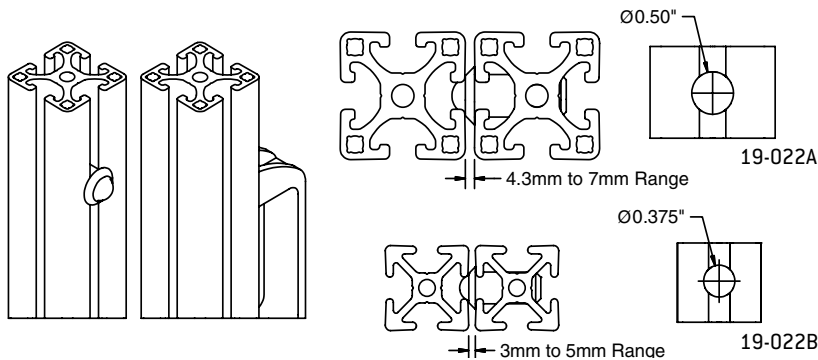
Series	Part #	Type	Mounted to Extrusion	Mounted to Bracket (Part Number 27-146)
40	23-043	Screw	24-120-6	24-116-6
		T-Nut	20-056	—
		T-Nut	20-058	20-058
1.5"	23-121	Screw	25-112-4	24-116-6
		T-Nut	25-001	—
		T-Nut	25-002	25-002

Bracket Mounting Options

Series	Part #	Type	Mounted to Extrusion	
40	27-146	Screw	24-118-8	
		T-Nut	20-058	
1.5"	27-146	Screw	25-110-5	
		T-Nut	25-002	

Door Catches

Ball Plungers



Application

An economical solution to hold swinging doors closed. The ball plunger presses easily into a machined hole in the extrusion, and the force of the ball in combination with a T-Slot on the door frame holds the door closed.

Ordering Information

Profile Series	Description
40, 30 1.5"	Ball Plunger, 1/2" Dia. x 28mm
28, 1"	Ball Plunger, 3/8" Dia x 18mm

* Requires service 19-022A ** Requires service 19-022B

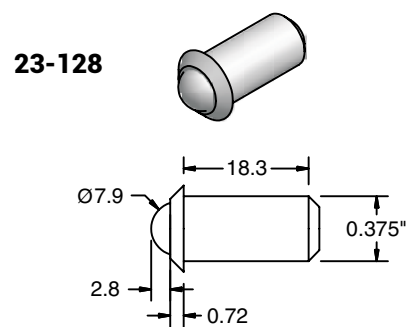
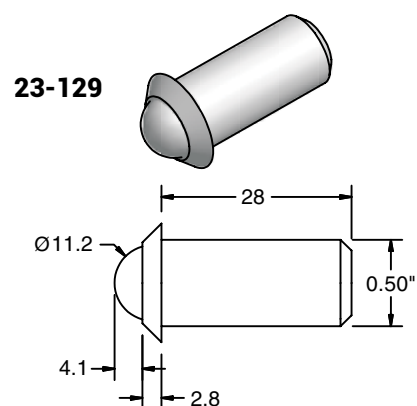
Technical Data

Housing: Steel, Black Oxide

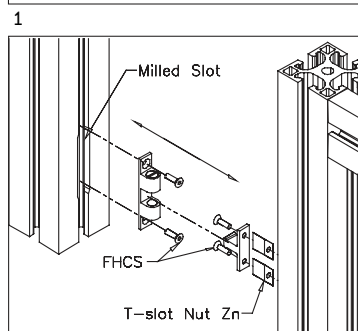
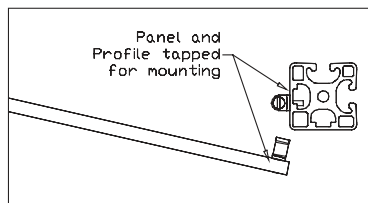
Ball: Nylon

Part#	Holding Strength
23-128	2-6 kg [5-14 lbs.]
23-129	3-8 kg [8-18 lbs.]

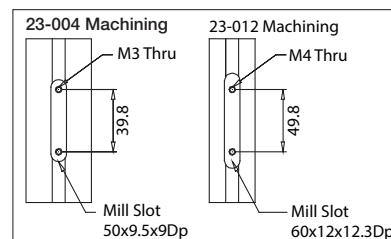
Unit	Weight [g]	Part #
Each	22.7	23-129*
Each	13.6	23-128**



3-Way Ball Catch



2



3

- 3-Way Ball Catch on swinging door
- 3-Way Ball Catch on sliding door
- Machining for catches

Technical Data

Brass, Chrome Finish

Two steel balls for adjustable spring tension

Recommended Fasteners (Order Separately)

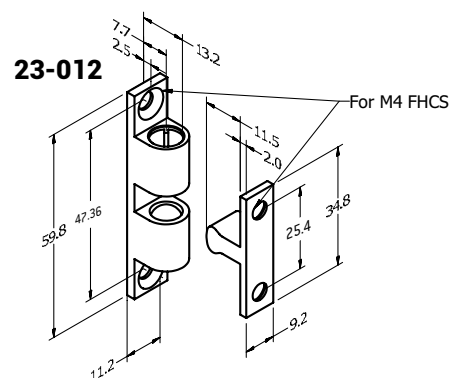
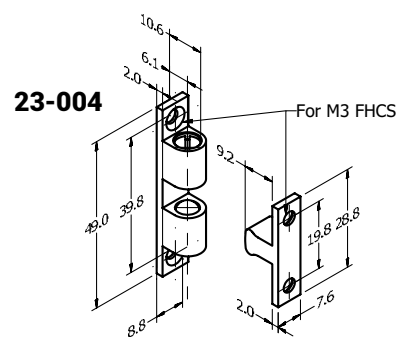
Part # 23-004	(4) 24-210-3
Part # 23-012	(4) 24-208-4

Description

3-Way Ball Catch, Small 28/30

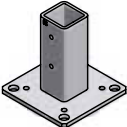
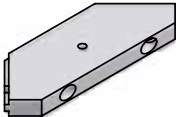
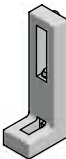
3-Way Ball Catch, Medium 40

Unit	Weight [g]	Part #
Set	26	23-004
Set	40	23-012



Handles,
Hinges, &
Latches

Section 6 - Feet & Casters

Leveling Feet Anti-Vibration Bolt Down	167-169 169 169		Flange Feet	176	
Knuckle Feet	170-171		Hollow King Pin Casters	178	
Knuckle Foot Accessories Rubber Insert Clamping Shoe	172 172		Threaded Casters	179	
Corner Mounting Plate	172		Top Plate Casters	180	
L-Base Leveling Foot Floor Anchor	173 173		Floor Lock	185	
Floor Brackets Economy Floor Brackets	174 175		Adapter Plates Base Plates	184 182-183	