

Mortise Cylinder Deadbolts

4500 Series — Heavy Duty, Professional Deadbolt

The Ilco Mortise Cylinder Deadbolt is heavy duty and made for professional installation. This lock can be installed on virtually any wood or metal door of any thickness.

- Sold with or without Cylinder
- Available Single Cylinder with ADA Turn Lever, Double Cylinder, Dummy and IC Core Housing
- Single Cylinder model has field reversible handing
- Accepts standard US thread mortise cylinder
- Operates with Lori® fan shaped or Adams Rite® Cam
- Cross bore 1 7/8" - 2 1/8" (47.3mm – 54mm)
- Standard 1" (25.4mm) edge bore
- 3 backsets; 2" (50.8mm), 2 3/8" (60.3mm), 2 3/4" (70mm)
- Drive in or screw in bolts



DOOR THICKNESS	CYLINDER LENGTH
1 3/8"-1 3/4"	15/16" (23.8mm)
1 3/4"-1 7/8"	1" (25.4mm)
1 7/8"-2 1/8"	1 1/8" (28.6mm)
2 1/8"-2 3/8"	1 1/4" (31.7mm)
2 3/8"-2 5/8"	1 3/8" (34.9mm)
2 5/8"-2 7/8"	1 1/2" (38.1mm)
2 7/8"-3 1/8"	1 5/8" (41.2mm)
3 1/8"-3 3/8"	1 3/4" (44.4mm)
3 3/8"-3 5/8"	1 7/8" (47.6mm)
3 5/8"-3 7/8"	2" (50.8mm)



Mortise Cylinder Deadbolt ACCESSORIES & PARTS

Front/Faceplate

4500-xx-5012	1" (25.4mm) for 2" (50.8mm) & 2 3/8" (60.3mm) Bolts
4510-xx-5012	1 1/8" (28.6mm) for 2 3/4" (69.8mm) Bolts Strikes
4500-xx-5011	For Wood Jam with Reinforcer
4500-xx-5013	For Steel Jam with Dust Box
4500-83-2000	Dust Box only

Housing for Bolts

4500-84-5003	For 2 3/8" (60.3mm) & 2 3/4" (69.8mm) Backsets
4900-84-5005	For 2" (50.8mm) Backsets Thumbturn Lever /Rose Assembly
4500-xx-5016	Thumbturn Lever assembly for 4500 Series
4500-82-2007	Thumbturn Tailpiece only
4500-82-2008	Long Thumbturn Tailpiece -1 1/4" (31.7mm)

Screws

4200-98-4011	Cam Screw
4500-82-4014	Housing Screw 8/32 X 1" (25.4mm)
4500-xx-4018	Thumbturn Lever Rose Assembly Screws

4500-xx-4025	Long Rose Screws for Thick Doors
4500-99-4015	Set Screw
4500-80-1017	3" (76.2mm) Screw for HD Strike
4500-xx-1036	3/4" (19.05mm) Screw for standard Strike/Front

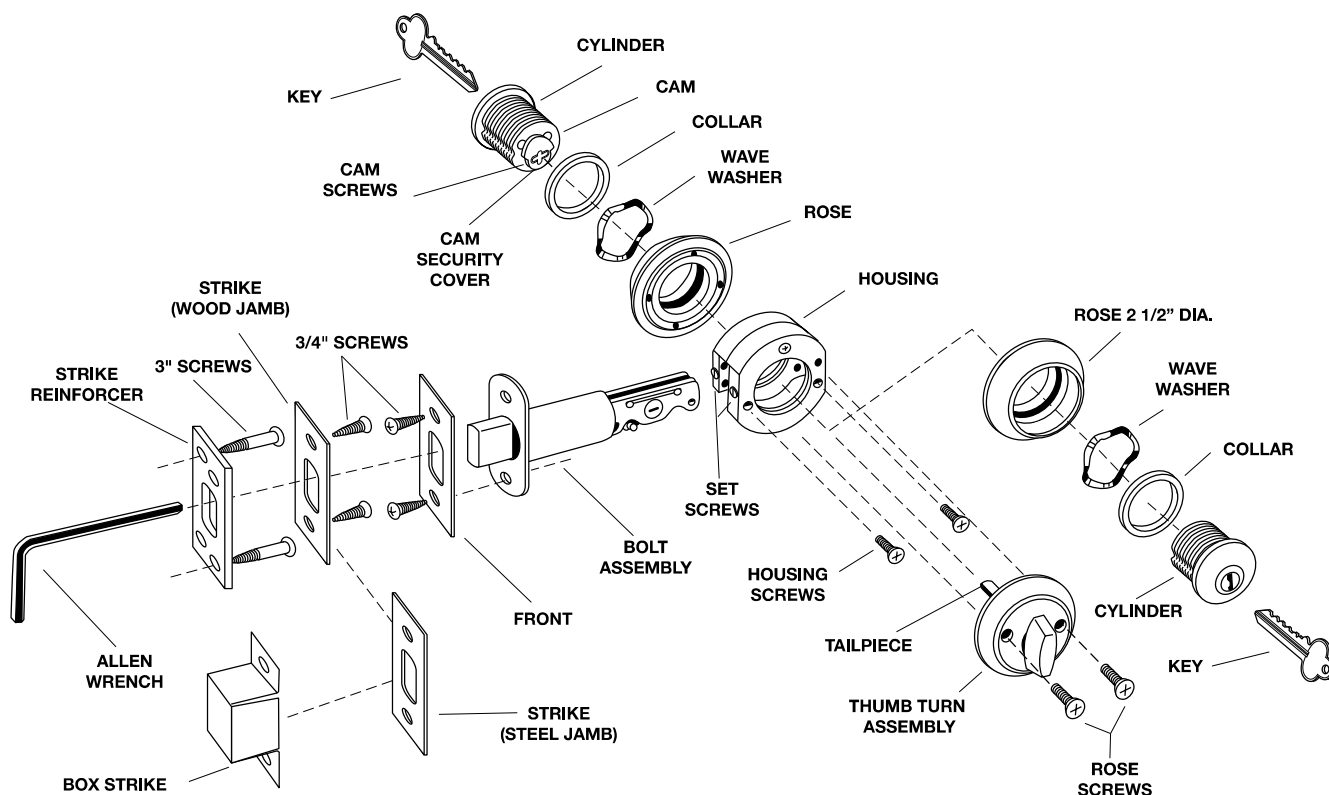
Collars & Roses

4500-xx-5017	Outside Rose
861E-xx-10	5/32" (3.97mm) Aluminum Collar
4500-81-4020	Wave Washer
4500-xx-5025	Spacer for Use With SFIC & Schlage LFIC

Miscellaneous

4500-80-4016	5/64" (1.98mm) Long Shank Allen Wrench
863R-00-10	Deadbolt Fan Cam for Mortise Cylinder
4500-80-2013	Security Cover for Cam/Keyway
4500-82-1012	Steel Strike Reinforcer, less screws
4500-xx-5050	2 1/4" (57.1mm) Thick Door Kit for 4510 with 1 1/4" (31.7mm) Cylinder

"xx" indicates insert finish.



How To Order Mortise Deadbolts

45 - 2 - 4 - 04 - 26D - 5 - 2 - 5 - AA - KA2

1	2	3	4	5	6	7	8	9	10
DESIGN	FUNCTION	BOLT / BACKSET	STRIKE	FINISH	CYLINDER OPTION	CYLINDER SIZE	NUMBER OF PINS	KEYWAY	KEYING
1 DESIGN	2 FUNCTION	3 BOLT / BACKSET	4 STRIKE	5 FINISH	6 CYLINDER	7 CYLINDER LENGTH *	8 NUMBER OF PINS	9 KEYWAY	10 KEYING
45 Standard	1 Single Cylinder 2 Double Cylinder 8 Classroom Function	0 No Bolt 2 2" Backset, 1" Front 3 2 3/4" Backset, 1" Front 4 2 3/4" Backset, 1 1/4" Front Drive-In Bolt 5 2 3/4" Backset 6 2 3/4" Backset	03 Regular Duty (Optional/Steel) 04 Heavy Duty (Standard/Wood)	03P Bright Brass Permanent 04 Satin Brass 05 Antique Brass 10 Satin Bronze 10B Oil-Rubbed Bronze 26D Satin Chrome 26 Bright Chrome 32D Satin Stainless Steel	0 Complete Deadbolt Less Cylinder 2 Dummy Outside 3 ADA Turnknob Inside 4520 Series Only 4 Mortise Turnknob Cylinder Inside 4520 Series Only 5 Standard Keyed Cylinder 6 Captive Turnknob Cylinder Inside 4520 Series Only 8 I.C. Housing - 6 pin 9 I.C. Housing - 7 pin 10 LFIC Schlage HSG	1 1 5/8" Long 2 1" Long 4 1 1/8" Long 5 1 1/4" Long * 1 3/8" - 2" mortise cylinders can be ordered separately.	5 5 Pins 6 6 Pins	See How to Order Cylinders Pages for Keyway Options See How to Order Cylinders Pages for Keying Options	

STOCK LIST

45-1-4-04-26D-0
45-2-4-04-26D-0
45-1-3-04-03P-0
45-1-4-04-26D-5-2-5-SC-KD
45-1-6-04-26D-0

Cylinders

How to Order Cylinders...

How to Order Cylinders

Example: Standard 1 inch, 5 pin mortise cylinder, Arrow keyway with Adams Rite cam, satin chrome finish, keyed alike in pairs.



BH+

7 1 6 5

AA

2 - 2 6 D

- K A 2

Add 'BH' prefix for Bump Halt Bump Resistance Technology.

MODEL NO.

KEYWAY

CAM OR
TAILPIECE

FINISH

KEYING

1

Model Numbers

Mortise Cylinders					Turn Knob Rim Cylinders	
Model	Description				Model	Description
7124	3/4"	(19 mm)	4 Pin		7011	Turnknob Rim Cylinder
7155	1 1/8"	(23.8 mm)	5 Pin		Turn Knob Mortise Cylinders	
7165	1"	(25.4 mm)	5 Pin		Model	Description
7185	1 1/8"	(28.6 mm)	5 Pin	Drilled 6 Pin	7151	1 1/8" (23.8 mm) Turn Knob
7186	1 1/8"	(28.6 mm)	6 Pin		7161	1" (25.4 mm) Turn Knob
7205	1 1/4"	(31.7 mm)	5 Pin	Drilled 7 Pin	7181	1 1/8" (28.6 mm) Turn Knob
7206	1 1/4"	(31.7 mm)	6 Pin	Drilled 7 Pin	7201	1 1/4" (31.7 mm) Turn Knob
7207	1 1/4"	(31.7 mm)	7 Pin		7221	1 3/8" (34.9 mm) Turn Knob
7225	1 3/8"	(34.9 mm)	5 Pin	Drilled 7 Pin	7241	1 1/2" (38.1 mm) Turn Knob
7226	1 3/8"	(34.9 mm)	6 Pin	Drilled 7 Pin	7261	1 5/8" (41.2 mm) Turn Knob
7227	1 3/8"	(34.9 mm)	7 Pin		7281	1 3/4" (44.4 mm) Turn Knob
7245	1 1/2"	(38.1 mm)	5 Pin	Drilled 7 Pin	7301	1 7/8" (47.6 mm) Turn Knob
7246	1 1/2"	(38.1 mm)	6 Pin	Drilled 7 Pin	7321	2" (50.8 mm) Turn Knob
7247	1 1/2"	(38.1 mm)	7 Pin		ADA7151	1 5/8" (23.8 mm) ADA Turn Knob
7265	1 5/8"	(41.2 mm)	5 pin		ADA7161	1" (25.4 mm) ADA Turn Knob
7266	1 5/8"	(41.2 mm)	6 pin		ADA7181	1 1/8" (28.6 mm) ADA Turn Knob
7285	1 3/4"	(44.4 mm)	5 pin		ADA7201	1 1/4" (31.7 mm) ADA Turn Knob
7286	1 3/4"	(44.4 mm)	6 pin		ADA7221	1 3/8" (34.9 mm) ADA Turn Knob
7305	1 7/8"	(47.6 mm)	5 pin		ADA7241	1 1/2" (38.1 mm) ADA Turn Knob
7306	1 7/8"	(47.6 mm)	6 pin		ADA7261	1 5/8" (41.2 mm) ADA Turn Knob
7325	2"	(50.8 mm)	5 pin		ADA7281	1 3/4" (44.4 mm) ADA Turn Knob
7326	2"	(50.8 mm)	6 pin		ADA7301	1 7/8" (47.6 mm) ADA Turn Knob
					ADA7321	2" (50.8 mm) ADA Turn Knob
					41651	1 5/8" (23.8 mm) Captive Turn Knob
					41671	1 1/8" (28.6 mm) Captive Turn Knob
Key-In-Knob Cylinders					Rim Cylinders	
Model	Description				Model	Description
15395	5 Pin	Universal Lockset/Leverset/Padlock			7075	5 Pin Cylinder with screw cap
15396	6 Pin	Universal Lockset/Leverset/Padlock			7076	6 Pin Cylinder with screw cap
15495	5 Pin	Cylindrical Deadbolt			Dummy Rim Cylinders	
15496	6 Pin	Cylindrical Deadbolt			Model	Description
15695	5 Pin	Emtek Cylindrical Deadbolts			7010	1 1/8" (28.6 mm) Dummy Rim Cylinder
15696	6 Pin	Emtek Cylindrical Deadbolts			Dummy Mortise Cylinders	
15795	5 Pin	Sargent 6 Line, 10 Line, T Zone			Model	Description
15796	6 Pin	Sargent 6 Line, 10 Line, T Zone			7150	1 5/8" (23.8 mm) Dummy
15985	5 Pin	Combination Knob/Deadbolt			7160	1" (25.4 mm) Dummy
15995	5 Pin	Combination Knob/Deadbolt			7180	1 1/8" (28.6 mm) Dummy
15996	6 Pin	Combination Knob/Deadbolt			7200	1 1/4" (31.7 mm) Dummy

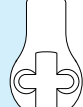
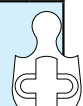
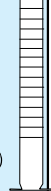
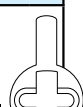
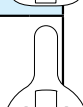
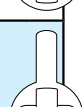
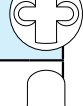
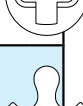
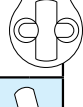
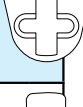
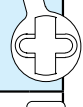
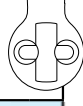
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Keyways

Arrow AA 1179	Sargent LA-LC GB LA-LC	Schlage SX C-K, 1145
Corbin 60 CA 1001EH	Sargent RA-RC GC RA-RC	ILCO® UA X1054K
Corbin 67 CB 1001EN	Kwikset KS 1176	Lori L100 Eagle 11929 Harloc 700
Corbin 77 CC R1001EN	Lockwood LA 1004	UB Lori 90 6 pin only UD Centric 90
Corbin CD 59A1-A2	Composite NA R1064E	Lori 80 5 pin UE Lori 80
Corbin/ Russwin CE L4	Composite NB HR1	Weiser E Falcon WA 1054WB 1054WC
Dominion 1054F DA S54F	Russwin RA 5981R N1011P	Weiser WE P1555
Schlage Everest EA C123	Russwin D1 RB 1011D1	Yale 8 YA 999
Schlage Everest EB C145	Schlage C SC 1145	Yale YG Yale GA
Segal 9 FA (1022)	Schlage E SE 1145E	
Sargent LA GA 1007LA	Schlage F SF 1145F	

Minimum Order of
10 each per item.

3 Cams & Tailpieces

1 Standard (863G)		13 22PR-E-RM (863K)		10 Long Standard 2 3/4" (60.3mm) 862B for 7075	
2 Adams Rite (863A)		15 Schlage L (863M)		14 Long Lazy Action 2 3/4" (60.3mm) 862L for 7075	
3 Clover (863D)		16 Sargent/Yale (863N)			
4 Narrow (863E)		17 Segal/ Emhardt (863P)			
5 Marks Cam (863F)		18 Lori Deadbolt (863R)			
6 Yale (863)		19 Clover Corbin/ Russwin Best (863S)			
7 Sargent Offset (863U)		20 Adams Rite 4070 (863T)			
11 14PR-RM (863H)		23 Falcon/ Saflok (863V)			
12 22PR-A-RM (863J)					

4 Finish Codes

Code	Description	US#	BHMA
03	Bright Brass	03	605
03P	Bright Brass Permanent	03	605
04	Satin Brass	04	606
05	Antique Brass	05	609
10	Satin Bronze	10	612
10B	Oil Rubbed Bronze	10B	613
26	Bright Chrome	26	625
26D	Satin Chrome	26D	626
28	Clear Aluminum Anodized	28	628
29	Black Aluminum	19	622
32	Bright Stainless Steel	32	629
32D	Satin Stainless Steel	32D	630
46	Duracolor Brown Aluminum	46	624

All finish codes are ANSI/BHMA E (equivalent in appearance to category A) codes and do not reflect the product's base material.

Master Keys

Master keys will be sent separately from the cylinders via certified mail, return receipt requested. Name and address for this package must be supplied with the cylinder order.

5 Keying Codes

Code	Description
KA	All keyed alike
KD	Keyed different
KA2	Keyed alike in pairs
KA4	Keyed alike in fours
0B	0 bitted - Blade Height
MK^Φ	Master keyed
GMK^Φ	Grand master keyed

^Φ When requesting MK or GMK, an additional Keying Code is required (KA, KD, KA2, etc.)
Example: 7165AA2-26D-MK/KA2

Chart below indicates stock KA biting combinations this does not apply to any other keying code.

Factory Keyed Alike Combinations

YA .019 (OEM)	SC .015 (OEM)
13335	13531
14251	15513
14455	24642
24158	26264
34532	31315
34562	31515
41224	33563
41242	34032
41255	34562
41256	35315
41263	42642
41321	44634
42131	46246
42145	51315
43244	54645
43263	55313
44254	62646
45324	64254
43356	66464
14544	78348



Mortise Cylinders

Ilco Mortise Cylinders are machined from solid brass bar stock, engineered and manufactured to OEM specifications. Master Key and Grand Master Key quality, and are re-keyable to original manufacturers systems. The broad selection of models and components within our line provides you with the flexibility to cover numerous applications.

- Thread size: 1.150 x 32 UNS.
- Cylinder face: 1.360 (34.5mm) diameter

Mortise Cylinders — Keyed

- 13 finishes - 03, 03P, 04, 05, 10, 10B, 26, 26D, 28, 29, 32, 32D, 46
- 31 keyways
- 17 cams
- 11 lengths listed below
- Factory master keying/construction master keying available



Model	Length (A)	Pinning
7124	3/4" (19mm)	4 Pin
7155	1 5/16" (23.8mm)	5 Pin
7165	1" (25.4mm)	5 Pin
7185	1 1/8" (28.6mm)	5 Pin (drilled 6)
7186	1 1/8" (28.6mm)	6 Pin
7205	1 1/4" (31.7mm)	5 Pin (drilled 7)
7206	1 1/4" (31.7mm)	6 Pin (drilled 7)
7207	1 1/4" (31.7mm)	7 Pin
7225	1 3/8" (34.9mm)	5 Pin (drilled 7)
7226	1 3/8" (34.9mm)	6 Pin (drilled 7)
7227	1 3/8" (34.9mm)	7 Pin
7245	1 1/2" (38.1mm)	5 Pin (drilled 7)
7146	1 1/2" (38.1mm)	6 Pin (drilled 7)
7247	1 1/2" (38.1mm)	7 Pin
Models available with Schlage C keyway only:		
7265	1 5/8" (41.2mm)	5 Pin (drilled 6)
7266	1 5/8" (41.2mm)	6 Pin
7285	1 3/4" (44.4mm)	5 Pin (drilled 6)
7286	1 3/4" (44.4mm)	6 Pin
7305	1 7/8" (47.6mm)	5 Pin (drilled 6)
7306	1 7/8" (47.6mm)	6 Pin
7325	2" (50.8mm)	5 Pin (drilled 6)
7326	2" (50.8mm)	6 Pin

