



CM Cam Locks

Selection

- Removable core options provide maximum flexibility
- Fixed core options provide simple, economic solutions
- Sealed housings are available
- Multiple finishes
- A broad selection of lock housing and cam sizes available

Notes

All CM Cam Lock housings, cams, and lock core components are ordered separately for maximum configuration flexibility with minimal inventory investment. To determine the perfect CM Cam Lock components for your needs, simply follow the **Selection Guide** on the next page.

Cam Lock Options

Removable Core

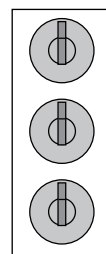
- Multiple key codes
- Tool actuation
- Change key codes in future
- Configure to order



Non Sealed CM-6
Page 188

Sealed CM-3
Page 188

Key Options

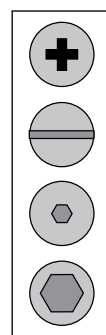


Key alike

Keyed differently

Master keyed, keyed differently

Tool Options



Phillips recess

Slotted

4mm Hex recess

8mm Hex recess

Fixed Core

- Single key code
- Key-locking
- Wing driver
- Integrated housing and lock core



Non Sealed CM-5
Page 189



Sealed CM-2
Page 189



Wing Driver CM-1
Page 190

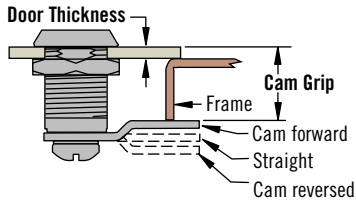
CM Cam Locks Selection



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Cam Lock Selection Guide

1. Once you have determined the **CM Cam Lock** version that best meets your needs, calculate the **Cam Grip** for your application using the illustration below.



Notes: add 0.5 (.02) to your grip when using a sealed product.

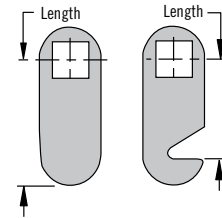
2. In the **TAN** section below, locate the **Cam Grip** calculated for your application. If your grip falls between two values, use the higher value.

Notes: Certain grip values repeat in the table below. Use the value that results in the shortest housing possible based on the **Max. Door Thickness** allowed.

3. From this value, move right horizontally into the **GRAY** section and verify your door thickness falls within the **Max. Door Thickness** listed. Once this is verified, the housing length is selected and is illustrated by the **Housing Length Number**.

4. Returning to your original grip value in the **TAN** section, move down vertically into the **GREEN** section. The **GREEN** section illustrates the cams that are appropriate for your grip.

5. By determining the required cam orientation and length in the **BLUE** section, the appropriate **Cam Part Number** for your application is selected.



6. Proceed to the Cam Lock sections (CM-6, CM-3, CM-2, CM-5, and CM-1) to complete your **Part Number** selection.

Selection Guide

Cam Grips							Max. Door Thickness	 Housing Length Number
20.7 (.813)	17.5 (.688)	14.3 (.563)	11.1 (.438)	8 (.313)	4.8 (.188)	1.6 (.063)	2.4 (.09)	7
25.4 (1.000)	22.2 (.875)	19.1 (.750)	15.9 (.625)	12.7 (.500)	9.5 (.375)	6.4 (.250)	7.1 (.28)	1
31.8 (1.250)	28.6 (1.125)	25.4 (1.000)	22.2 (.875)	19.1 (.750)	15.9 (.625)	12.7 (.500)	13.5 (.53)	2
38.1 (1.500)	34.9 (1.375)	31.8 (1.250)	28.6 (1.125)	25.4 (1.000)	22.2 (.875)	19.1 (.750)	19.8 (.78)	6
44.5 (1.750)	41.3 (1.625)	38.1 (1.500)	34.9 (1.375)	31.8 (1.250)	28.6 (1.125)	25.4 (1.00)	26.2 (1.03)	3
50.8 (2.000)	47.6 (1.875)	44.5 (1.750)	41.3 (1.625)	38.1 (1.500)	34.9 (1.375)	31.8 (1.250)	32.5 (1.28)	4
57.2 (2.250)	54 (2.125)	50.8 (2.000)	47.6 (1.875)	44.5 (1.750)	41.3 (1.625)	38.1 (1.500)	38.9 (1.53)	5
Cam Part Number							Cam Length	Cam Orientation
Cam Reversed			Straight	Cam Forward				
CM-C606	CM-C406	CM-C206	CM-C006	CM-C206	CM-C406	CM-C606	19.1 (.75)	 No Hook
CM-C610	CM-C410	CM-C210	CM-C010	CM-C210	CM-C410	CM-C610	31.8 (1.25)	
CM-C614	CM-C414	CM-C214	CM-C014	CM-C214	CM-C414	CM-C614	44.5 (1.75)	
CM-L606	CM-L406	CM-L206	CM-H006	CM-H206	CM-H406	CM-H606	19.1 (.75)	 Left
CM-L610	CM-L410	CM-L210	CM-H010	CM-H210	CM-H410	CM-H610	31.8 (1.25)	
CM-L614	CM-L414	CM-L214	CM-H014	CM-H214	CM-H414	CM-H614	44.5 (1.75)	
CM-H606	CM-H406	CM-H206	CM-H006	CM-L206	CM-L406	CM-L606	19.1 (.75)	 Right
CM-H610	CM-H410	CM-H210	CM-H010	CM-L210	CM-L410	CM-L610	31.8 (1.25)	
CM-H614	CM-H414	CM-H214	CM-H014	CM-L214	CM-L414	CM-L614	44.5 (1.75)	

Also use the online configurator at www.southco.com



CM Cam Locks

Removable core

- Ideal for applications requiring multiple key codes or tool actuated options
- Sealed version meets NEMA 4 and IP65 water intrusion standards
- Lock cores and cams sold separately
- Master and non-master key codes available

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated
Scalp: stainless steel
(non-sealed only)

Performance Details

Average ultimate load on cam:
180 N (40 lbf)

Installation Notes

See page 183

Accessories

See page 193

Part Number Selection

Housing part number
(no lock core or cam)

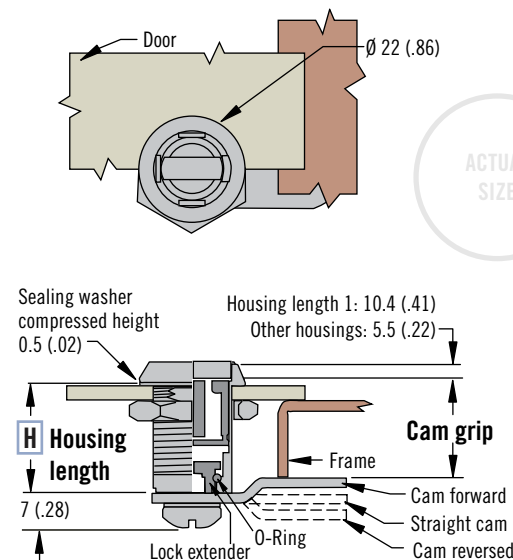
Order housing, lock core and cam separately

Lock core part numbers and installation see page 183

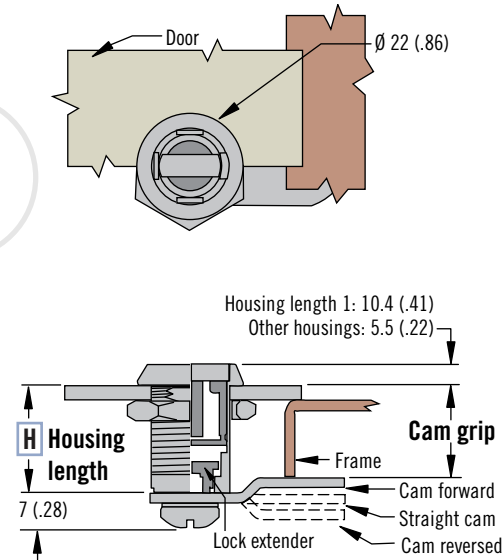
Cam page 191

To select cam part number see grip table page 187

Sealed Disc Tumbler

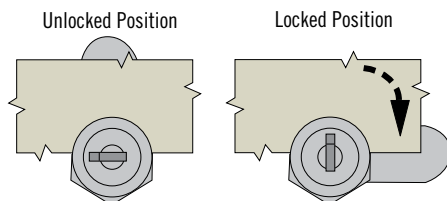


Non-Sealed Disc Tumbler

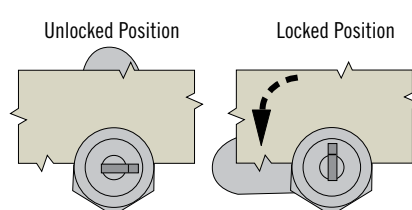


Cam Rotation

R 01 (Clockwise)



R 09 (Counter-Clockwise)



Sealed Version

Max. Door Thickness	Housing Length	H Housing Length Number
7.1 (.28)	16 (.625)	1
13.5 (.53)	22 (.875)	2
19.8 (.78)	28.5 (1.125)	6
26.2 (1.03)	35 (1.375)	3
32.5 (1.28)	41 (1.625)	4
38.9 (1.53)	48 (1.875)	5

Non-sealed version

CM - 3 - H F 1 R - NUB

CM - 6 - H S4 R - NUB

F Finish
B Black powder coated
C Chrome plated

R Rotation
01 Clockwise
09 Counter-clockwise



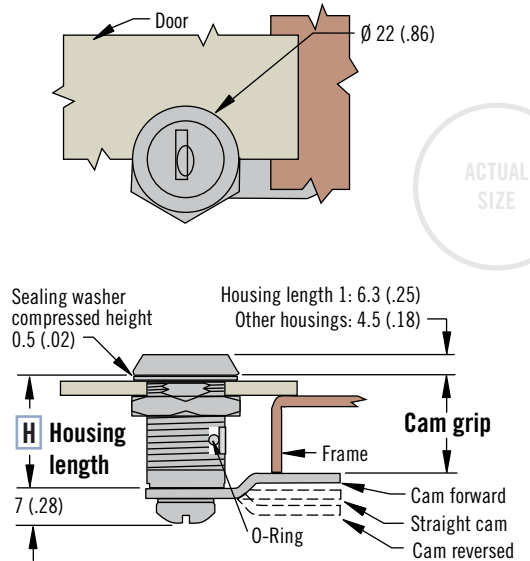
CM Cam Locks

Fixed core

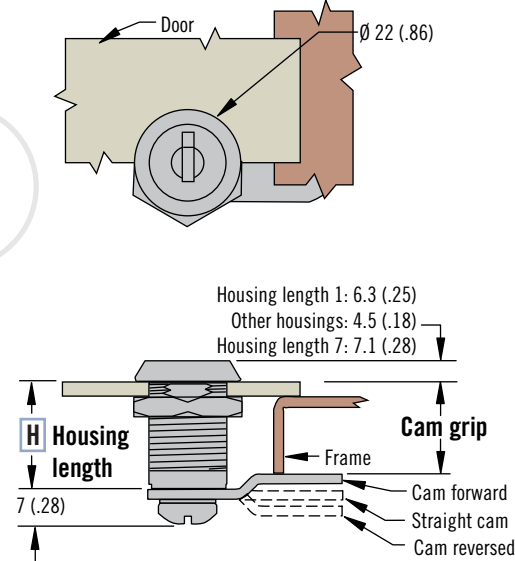


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Sealed Disc Tumbler

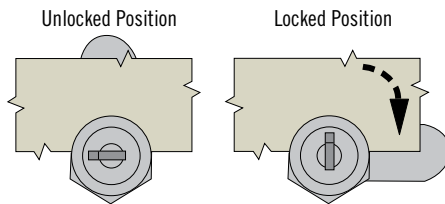


Non-Sealed Disc Tumbler

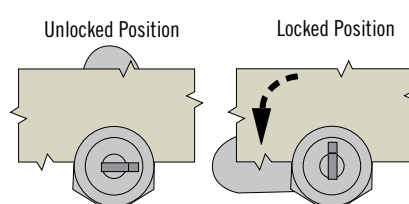


Cam Rotation

R 01 (Clockwise)



R 09 (Counter-Clockwise)



Sealed Version

Max. Door Thickness	Housing Length	H Housing Length Number
2.4 (.09)	11 (.438)	7 Non-Sealed Only
7.1 (.28)	16 (.625)	1
13.5 (.53)	22 (.875)	2
19.8 (.78)	28.5 (1.125)	6
26.2 (1.03)	35 (1.375)	3
32.5 (1.28)	41 (1.625)	4
38.9 (1.53)	48 (1.875)	5

Non-sealed version

CM - 2 - H F 1 R - 2SB

Finish

- B Black powder coated
- C Chrome plated

Rotation

- 01 Clockwise
- 09 Counter-clockwise

CM - 5 - H S4 R - 2TB

- Stainless steel scalp on housing and lock core on non-shuttered style
- Sealed version meets NEMA 4 and IP65 water intrusion standards
- Cams sold separately

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated
Scalp: stainless steel (non-sealed only)

Performance Details

Average ultimate load on cam:
180 N (40 lbf)

Installation Notes

See page 191

Accessories

See pages 193

Notes

Lock: Key code CH751, keyed alike, key removal in locked and unlocked positions (two keys supplied)

Part Number Selection

Lock part number (no cam)

Order lock and cam separately

Cam page 191

To select cam part number see grip table page 187

Notes

CM-2-1 version is sealed but does not meet the NEMA 4 / IP65 standards



CM Cam Locks

Fixed core wing driver

- Sealed to meet NEMA 4 and IP65 water intrusion standards
- Smooth, consistent operation
- Cams sold separately

Material and Finish

Housing: Zinc alloy, chrome plated or black powder coated

Performance Details

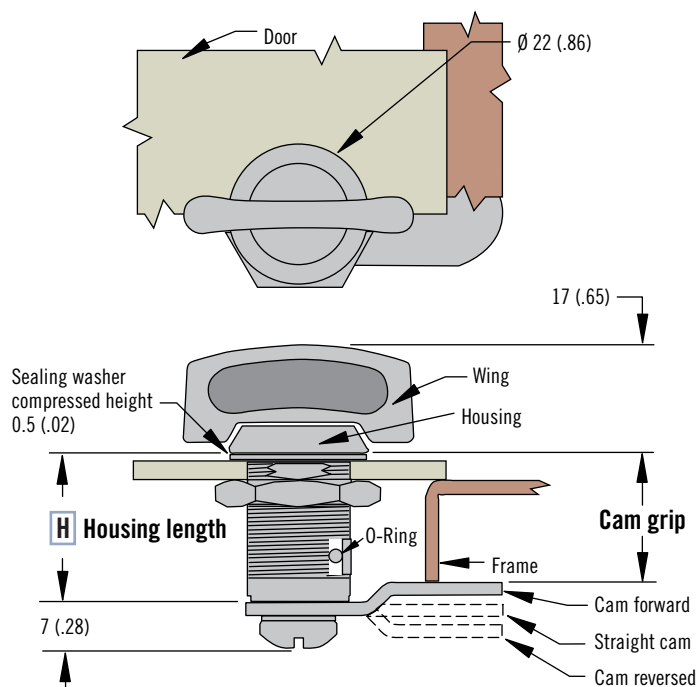
Average ultimate load on cam:
180 N (40 lbf)

Installation Notes

See page 191

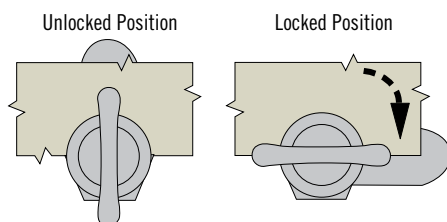
Accessories

See page 193

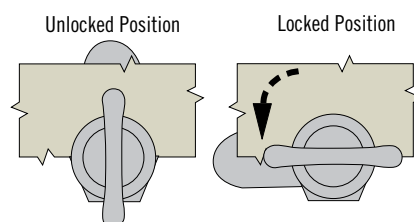


Cam Rotation

R 01 (Clockwise)



R 09 (Counter-Clockwise)



Part Number Selection

Lock part number (no cam)

Order lock and cam separately

Cam page 191

To select cam part number see grip
table page 187

F Housing Finish
B Black powder coated
C Chrome plated

R Rotation
01 Clockwise
09 Counter-clockwise

W Wing Finish
B Black powder coated
C Chrome plated

CM - 1 - H F 1 R - 1 W

H Housing Length Number	Housing Length	Max. Door Thickness
1	16 (.625)	7.1 (.28)
2	22 (.875)	13.5 (.53)
3	35 (1.375)	26.2 (1.03)

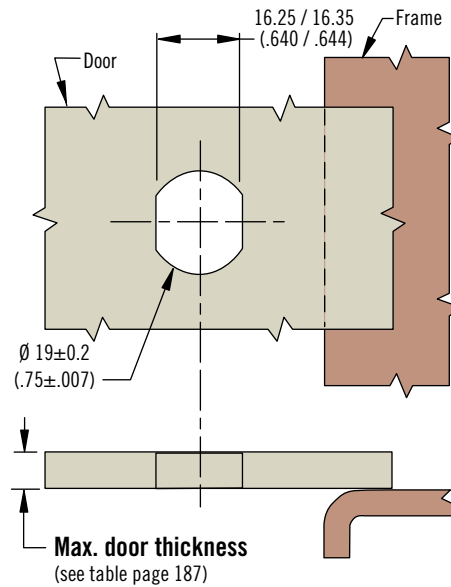
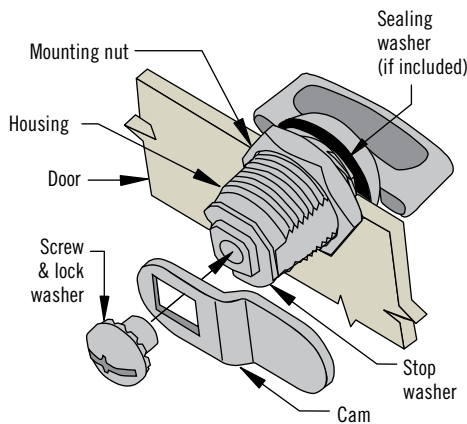


CM Cam Locks

Cams & installation

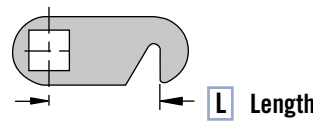
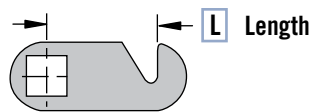
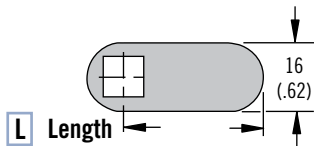
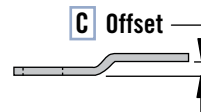
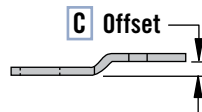
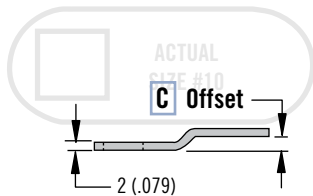


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Installation Notes

1. Place sealing washer onto housing (if included) and put through the mounting hole (see panel preparation).
2. Install mounting nut and tighten to 5 N•m (44 in•lbf).
3. Install cam to assembly. Properly orientate for rotation and grip.
4. Install screw. Tighten to 4 N•m (35 in•lbf).



S C - No hook

S H - Hook type 1

S L - Hook type 2

Material and Finish

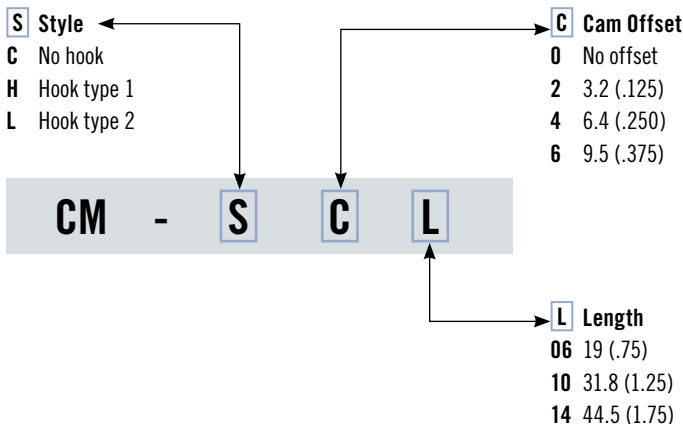
Cam: Steel plated

Part Number Selection

Order lock and cam separately

Cam part number (no lock)

For Lock selection see pages 188 - 190





CM Mini Cam Locks

Fixed core

- **Compact design**
- **Non-shuttered lock core**
- **Cams sold separately**

Material and Finish

Lock: Zinc alloy, chrome plated or black powder coated

Cam: Steel, zinc plated

Performance Details

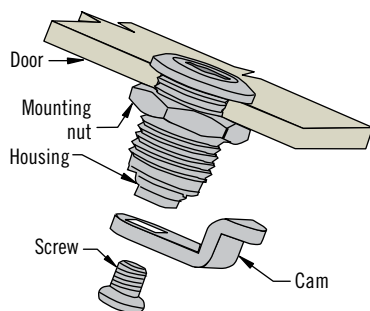
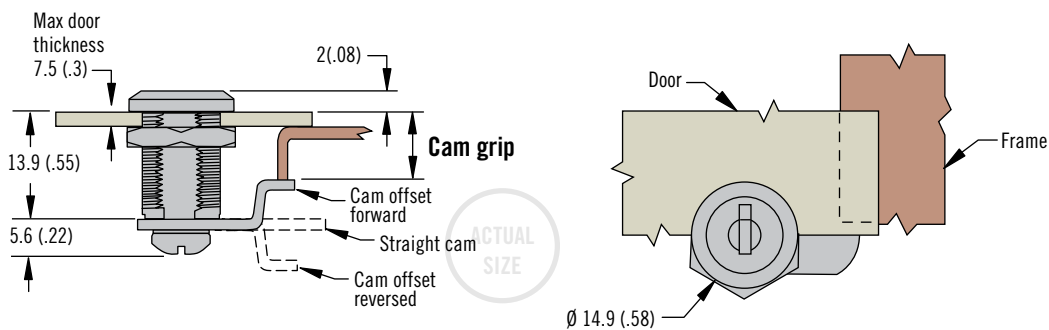
Average ultimate load on cam:
160 N (35 lbf)

Installation Notes

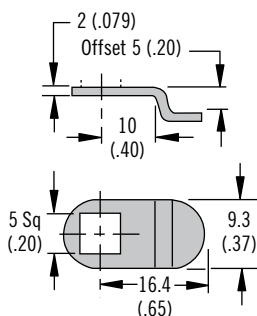
1. Install mounting nut and tighten to 4 N•m (35 in•lbf).
2. Install cam to assembly. Properly orientate for rotation and grip.
3. Install screw. Tighten to 4 N•m (35 in•lbf).

Accessories

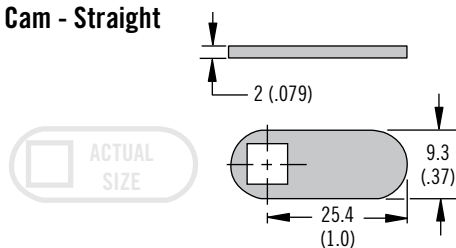
See page 193



Cam - Offset



Cam - Straight



Cam Grip		
Cam Grip	Cam Type	Cam Part Number
9.7 (.38)	Offset forward	CM-M101
15.4 (.61)	Straight	CM-M002
21.3 (.84)	Offset reverse	CM-M101

Part Number Selection

Lock part number (no cam)

Order lock and cam separately

To select cam part number see grip table above

F Housing Finish

- B Black powder coated
- C Chrome plated

S Style

- 12N Wing
- 21B Key-locking

CM - 9 - 1 F 109 - S - KC

KC Key Code

Omit for wing style

KA Keyed alike M01 (2 keys supplied)

KD Keyed differently (10 key codes provided in a non-master key system) M01 to M10 (2 keys supplied)



www.southco.com/CM

Dimensions in millimeters (inch) unless otherwise stated

southco
CONNECT · CREATE · INNOVATE

CM Cam Locks

Accessories · Keys · Spares



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Accessories (Add adjustment value to door thickness when accessory is used)

Metal Dust Cover



Plastic Dust Cover



Pull Tab - In-Line



Pull Tab - Perpendicular



Overmolded Key



Metal Pull Tab



Trim Washer



Prong Washer



Sealing Washer



Plain Key



Item	Part Number	Material	Adjustment Value	Suitable for		
				CM	Mini CM	PT
Metal dust cover	CM-A-10-01	Zinc alloy, chrome plated and stainless steel	0.7 (.027)	✓		✓
Plastic dust cover	90-2	Santoprene, black	2.1 (.085)	✓		✓
Pull tab - In-line	CM-A-08-01	Nylon, black	2.1 (.085)	✓		✓
Pull tab - Perpendicular	CM-A-08-02	Nylon, black	2.1 (.085)	✓		✓
Metal pull tab	CM-A-09	Stainless steel	1.5 (.059)	✓		✓
Trim washer	CM-A-07-N	Steel, nickel plated	0.8 (.031)	✓		✓
Prong washer	CM-A-04	Steel, plated	0.9 (.035)	✓		✓
Sealing washer	CM-A-03	Rubber, black	1.0 (.039)	✓		✓

Keys (contact Southco for custom overmolded logo options)

Item	Part Number	Suitable for		
		CM	Mini CM	PT
Plain key CH751 pair	PK-10-01	✓		
Overmolded key CH751 pair	PK-10-01-05	✓		
Overmolded key CH751 single	PK-10-10-05	✓		
Control (removal) key single	PK-11-03	✓		
Master key single	PK-24-01	✓		
Plain key M01 pair	PK-10-01-M01		✓	
Tubular key T0001 pair	PK-60-01-T0001			✓

Replacement Parts

Item	Part Number	Material	Suitable for		
			CM	Mini CM	PT
Housing mounting nut	CM-A-01	Zinc alloy	✓		
Housing mounting nut	PT-A-04-01				✓
Housing mounting nut	CM-B-01			✓	
Housing mounting clip	CM-A-05	Spring steel, plated	✓		
Cam mounting screw	CM-A-02	Steel, plated	✓		
Cam mounting screw	CM-B-03			✓	
Tooth washer hex nut	CM-A-12		✓		
Lockwasher	PT-A-09				✓
Cam mounting nut	PT-A-05-01				✓

CM-0-39184	CM-2-2B109-2BB	CM-3-1C101-NUL	CM-9-1B109-21B-M04	CM-9-1C109-21B-KD
CM-0-40371	CM-2-2B109-2BL	CM-3-1C109-NUB	CM-9-1B109-21B-M05	CM-9-1C109-21B-M02
CM-0-46883	CM-2-2B109-2SB	CM-3-1C109-NUL	CM-9-1B109-21B-M06	CM-9-1C109-21L-KA
CM-1-1B101-1B	CM-2-2B109-2SL	CM-3-2B101-NUB	CM-9-1B109-21B-M07	CM-9-1C109-21L-KD
CM-1-1B101-1B-F010	CM-2-2B109-6SB	CM-3-2B101-NUL	CM-9-1B109-21B-M08	CM-9-1C109-21L-M05
CM-1-1B101-1C	CM-2-2C101-1SB	CM-3-2B109-NUB	CM-9-1B109-21B-M09	CM-A-01
CM-1-1B109-1B	CM-2-2C101-1SL	CM-3-2B109-NUL	CM-9-1B109-21B-M10	CM-A-02
CM-1-1B109-1B-F010	CM-2-2C101-2CL	CM-3-2C101-NUB	CM-9-1B109-21L-KA	CM-A-03
CM-1-1C101-1B	CM-2-2C101-2NB	CM-3-2C101-NUL	CM-9-1B109-21L-KD	CM-A-04
CM-1-1C101-1C	CM-2-2C101-2NL	CM-3-2C105-NUB	CM-9-1C109-11B-KA	CM-A-05
CM-1-1C109-1C	CM-2-2C101-2SB	CM-3-2C109-NUB	CM-9-1C109-12N	CM-A-07-N
CM-1-2B101-1B	CM-2-2C101-2SL	CM-3-3B101-NUB	CM-9-1C109-21B-KA	CM-A-08-01
CM-1-2B101-1C	CM-2-2C105-2SB	CM-3-3B101-NUL	CM-5-3S409-2TB	CM-A-08-02
CM-1-2B109-1B	CM-2-2C109-2CL	CM-3-3B109-NUB	CM-5-3S409-2TL	CM-A-09
CM-1-2B109-1C	CM-2-2C109-2SB	CM-3-3C101-NUB	CM-5-3S413-2TB	CM-A-10-01
CM-1-2B201-1B	CM-2-2C109-2SL	CM-3-3C109-NUB	CM-5-4S401-2TB	CM-A-11-01
CM-1-2B209-1B	CM-2-2C201-2SB	CM-3-3C401-NUB	CM-5-4S409-2TB	CM-A-12
CM-1-2C101-1B	CM-2-2C209-2SB	CM-3-3C401-NUL	CM-5-5S401-2TB	CM-A-8-01
CM-1-2C101-1C	CM-2-3B101-2BB	CM-3-4B101-NUB	CM-5-5S409-2TB	CM-B-01
CM-1-2C109-1B	CM-2-3B101-2SB	CM-3-4B109-NUB	CM-5-6B401-2BB	CM-C004
CM-1-2C109-1C	CM-2-3B109-2BB	CM-3-4C101-NUB	CM-5-6S401-2BB	CM-C005
CM-1-3B101-1B	CM-2-3B109-2BL	CM-3-4C109-NUB	CM-5-6S401-2TB	CM-C006
CM-1-3B109-1B	CM-2-3B109-2SB	CM-3-5B101-NUB	CM-5-6S409-2TB	CM-C007
CM-1-3C101-1B	CM-2-3C101-2SB	CM-3-5B109-NUB	CM-5-7B401-1TB	CM-C008
CM-1-3C101-1C	CM-2-3C101-2SL	CM-3-5C101-NUB	CM-5-7B401-2BB	CM-C009
CM-1-3C109-1C	CM-2-3C109-2SB	CM-3-5C109-NUB	CM-5-7B401-2BL	CM-C010
CM-1-4B101-1B	CM-2-3C109-2SL	CM-3-6B101-NUB	CM-5-7C401-2CB	CM-C011
CM-1-5B101-1B	CM-2-4B101-2BB	CM-3-6B109-NUB	CM-5-7C401-2CL	CM-C012
CM-1-5C109-1C	CM-2-4B101-2SB	CM-3-6C101-NUB	CM-5-7C409-2CB	CM-C013
CM-2-1B101-2BB	CM-2-4B109-2SB	CM-3-6C109-NUB	CM-5-7S401-2TB	CM-C014
CM-2-1B101-2BL	CM-2-4C101-2SB	CM-5-1B401-1TB	CM-5-7S401-2TL	CM-C015
CM-2-1B101-2SB	CM-2-4C109-2SB	CM-5-1B409-2TB	CM-5-7S409-2TB	CM-C016
CM-2-1B101-2SL	CM-2-5B101-2SB	CM-5-1B409-2TL	CM-5-7S409-2TL	CM-C104
CM-2-1B101-2TB	CM-2-5B109-2SB	CM-5-1B409-4BL	CM-5-7S409-6TB	CM-C105
CM-2-1B109-2BB	CM-2-5C101-2SB	CM-5-1S401-1TB	CM-6-1S401-NUB	CM-C106
CM-2-1B109-2SB	CM-2-5C101-2SL	CM-5-1S401-2SB	CM-6-1S401-NUL	CM-C107
CM-2-1B109-2SL	CM-2-5C109-2SB	CM-5-1S401-2TB	CM-6-1S404-NUB	CM-C108
CM-2-1B109-2TB	CM-2-6B101-1SB	CM-5-1S409-1TB	CM-6-1S409-NUB	CM-C109
CM-2-1C101-2CL	CM-2-6B101-2BB	CM-5-1S409-2TB	CM-6-2S401-NUB	CM-C110
CM-2-1C101-2ML	CM-2-6B101-2SB	CM-5-2S401-1TB	CM-6-2S409-NUB	CM-C111
CM-2-1C101-2NB	CM-2-6B109-1SB	CM-5-2S401-2TB	CM-6-3S401-NUB	CM-C112
CM-2-1C101-2NL	CM-2-6B109-2SB	CM-5-2S401-2TL	CM-6-3S409-NUB	CM-C113
CM-2-1C101-2SB	CM-2-6C101-2CL	CM-5-2S409-2TB	CM-6-4S401-NUB	CM-C114
CM-2-1C101-2SL	CM-2-6C101-2SB	CM-5-2S409-2TL	CM-6-4S409-NUB	CM-C115
CM-2-1C101-2TL	CM-2-6C101-2SL	CM-5-3B401-6BB	CM-6-5S401-NUB	CM-C116
CM-2-1C105-2SB	CM-2-6C109-1SB	CM-5-3B401-7BB	CM-6-5S409-NUB	CM-C204
CM-2-1C109-2SB	CM-2-6C109-2SB	CM-5-3B409-6BB	CM-6-6S401-NUB	CM-C205
CM-2-1C109-2SL	CM-2-6C109-2SL	CM-5-3B409-7BB	CM-6-6S409-NUB	CM-C206
CM-2-1C109-2TB	CM-3-1B101-NUB	CM-5-3C401-7CB	CM-9-1B109-12N	CM-C207
CM-2-2B101-2BB	CM-3-1B101-NUL	CM-5-3C409-7CB	CM-9-1B109-21B-KA	CM-C208
CM-2-2B101-2SB	CM-3-1B109-NUB	CM-5-3S401-2TB	CM-9-1B109-21B-KD	CM-C209
CM-2-2B101-2SL	CM-3-1B109-NUL	CM-5-3S401-2TL	CM-9-1B109-21B-M02	CM-C210
CM-2-2B109-1SB	CM-3-1C101-NUB	CM-5-3S405-2TB	CM-9-1B109-21B-M03	CM-C211

CM-C212	CM-C613	CM-H314	CM-L015	CM-L416
CM-C213	CM-C614	CM-H315	CM-L016	CM-L504
CM-C214	CM-C615	CM-H316	CM-L104	CM-L505
CM-C215	CM-C616	CM-H404	CM-L105	CM-L506
CM-C216	CM-H004	CM-H405	CM-L106	CM-L507
CM-C304	CM-H005	CM-H406	CM-L107	CM-L508
CM-C305	CM-H006	CM-H407	CM-L108	CM-L509
CM-C306	CM-H007	CM-H408	CM-L109	CM-L510
CM-C307	CM-H008	CM-H409	CM-L110	CM-L511
CM-C308	CM-H009	CM-H410	CM-L111	CM-L512
CM-C309	CM-H010	CM-H411	CM-L112	CM-L513
CM-C310	CM-H011	CM-H412	CM-L113	CM-L514
CM-C311	CM-H012	CM-H413	CM-L114	CM-L515
CM-C312	CM-H013	CM-H414	CM-L115	CM-L516
CM-C313	CM-H014	CM-H415	CM-L116	CM-L604
CM-C314	CM-H015	CM-H416	CM-L204	CM-L605
CM-C315	CM-H016	CM-H504	CM-L205	CM-L606
CM-C316	CM-H104	CM-H505	CM-L206	CM-L607
CM-C404	CM-H105	CM-H506	CM-L207	CM-L608
CM-C405	CM-H106	CM-H507	CM-L208	CM-L609
CM-C406	CM-H107	CM-H508	CM-L209	CM-L610
CM-C407	CM-H108	CM-H509	CM-L210	CM-L611
CM-C408	CM-H109	CM-H510	CM-L211	CM-L612
CM-C409	CM-H110	CM-H511	CM-L212	CM-L613
CM-C410	CM-H111	CM-H512	CM-L213	CM-L614
CM-C411	CM-H112	CM-H513	CM-L214	CM-L615
CM-C412	CM-H113	CM-H514	CM-L215	CM-L616
CM-C413	CM-H114	CM-H515	CM-L216	CM-M001
CM-C414	CM-H115	CM-H516	CM-L304	CM-M002
CM-C415	CM-H116	CM-H604	CM-L305	CM-M101
CM-C416	CM-H204	CM-H605	CM-L306	
CM-C504	CM-H205	CM-H606	CM-L307	
CM-C505	CM-H206	CM-H607	CM-L308	
CM-C506	CM-H207	CM-H608	CM-L309	
CM-C507	CM-H208	CM-H609	CM-L310	
CM-C508	CM-H209	CM-H610	CM-L311	
CM-C509	CM-H210	CM-H611	CM-L312	
CM-C510	CM-H211	CM-H612	CM-L313	
CM-C511	CM-H212	CM-H613	CM-L314	
CM-C512	CM-H213	CM-H614	CM-L315	
CM-C513	CM-H214	CM-H615	CM-L316	
CM-C514	CM-H215	CM-H616	CM-L404	
CM-C515	CM-H216	CM-L004	CM-L405	
CM-C516	CM-H304	CM-L005	CM-L406	
CM-C604	CM-H305	CM-L006	CM-L407	
CM-C605	CM-H306	CM-L007	CM-L408	
CM-C606	CM-H307	CM-L008	CM-L409	
CM-C607	CM-H308	CM-L009	CM-L410	
CM-C608	CM-H309	CM-L010	CM-L411	
CM-C609	CM-H310	CM-L011	CM-L412	
CM-C610	CM-H311	CM-L012	CM-L413	
CM-C611	CM-H312	CM-L013	CM-L414	
CM-C612	CM-H313	CM-L014	CM-L415	