



M1 20 Series Compression Latch

Cast 316 stainless steel · Lift & turn · Adjustable grip
50mm (2") size

- Consistent pre-set compression
- Easy grip adjustment
- Flush round hole install

Material and Finish

Cast 316 grade stainless steel,
Electropolished, Black PVD

Performance Details

Short cam

Maximum static load:
460 N (103 lbf)

Long cam

Maximum static load: 350 N (78 lbf)

Sealing Notes

NEMA 4 / IP66 sealing is achieved
by using supplied flange gasket

Keys

Lock style 8

Part number: M1-546

Lock style 9,9A,9B,9C,9D



Part number: M1-525-39-XXXX

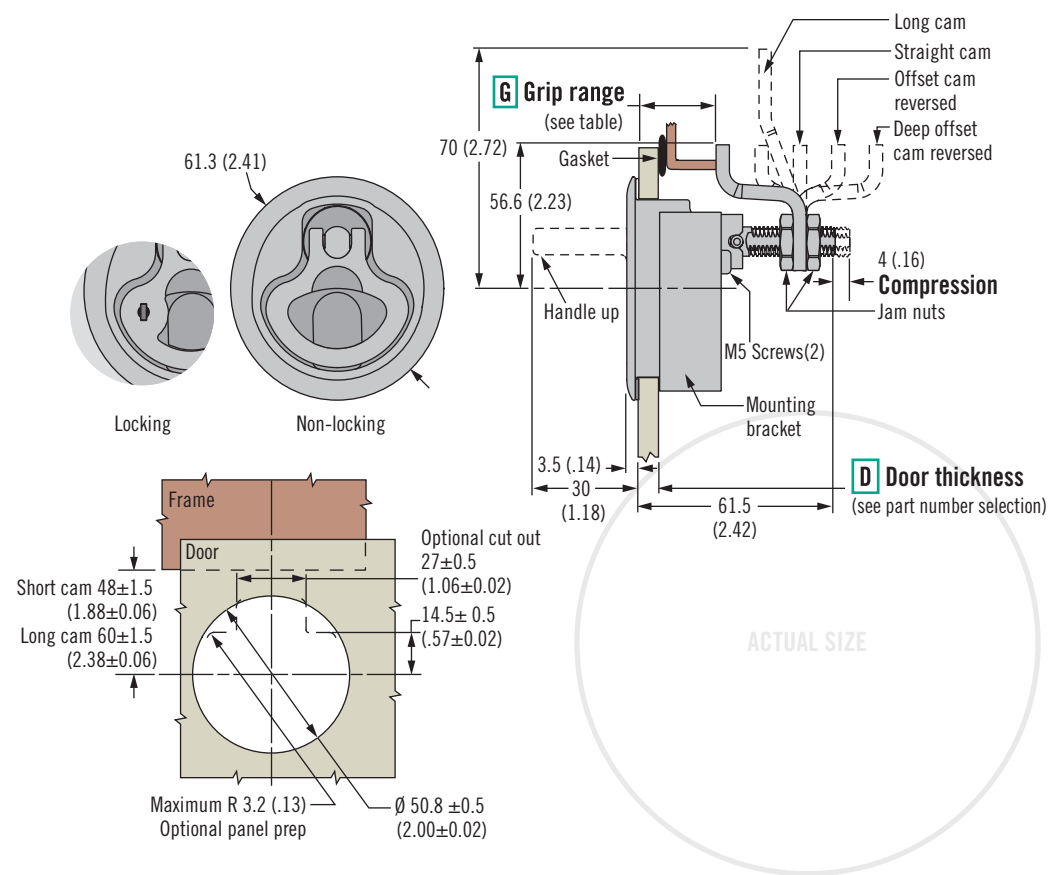
Part Number Selection

See table

See page 257 for complimentary
styled push to close version

Lock Style

Lock Style	Keycodes (XXXX)
9A	S004
9B	S007
9	S008
9C	S014
9D	S016



L Lock style

- 3 Non-locking assemblies
- 8 Locking assemblies
- 9 Key Locking, S008 Keycode
- 9A Key Locking, S004 Keycode
- 9B Key Locking, S007 Keycode
- 9C Key Locking, S014 Keycode
- 9D Key Locking, S016 Keycode

F Finish

- 6 Stainless steel, Black PVD
- 8 Stainless steel

M1 - 20 - L D - G F

D	Door Thickness	Grip Adjustment Value
1	2 - 12 (.075 - .475)	19 (.75)
2	12 - 22.5 (.475 - .885)	9 (.35)
3	18.5 - 29 (.73 - 1.14)	2.5 (.10)

Note

All grips of 35 (1.38) or below, highlighted in , in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater.

Examples:

For a door thickness of 4mm, the minimum achievable grip is 23 and is achieved with a deep offset cam in the forward position. (4 + 19 = 23)

For a door thickness of 20mm, the minimum achievable grip is 29 and is achieved with an offset cam in the forward position. (20 + 9 = 29)

ACTUAL SIZE

G Grip Range

Short cam		
5	21 - 28 (.83 - 1.10)	Deep offset forward
4	27 - 40 (1.06 - 1.57)	Offset forward
3	39 - 52 (1.54 - 2.05)	Straight
4	51 - 64 (2.01 - 2.52)	Offset reversed
5	63 - 76 (2.48 - 3.00)	Deep offset reversed
Long cam		
8	21 - 28 (.83 - 1.10)	Deep offset forward
7	27 - 40 (1.06 - 1.57)	Offset forward
6	39 - 52 (1.54 - 2.05)	Straight
7	51 - 64 (2.01 - 2.52)	Offset reversed
8	63 - 76 (2.48 - 3.00)	Deep offset reversed

M1 25 Series Compression Latch

Cast 316 stainless steel · Lift & turn · Adjustable grip
64mm (2.5") size



135

- Consistent pre-set compression
- Easy grip adjustment

Material and Finish

Stainless steel cast 316 grade,
Electropolished, Black PVD

Performance Details

Short cam

Maximum static load:
1010 N (227 lbf)

Long cam

Maximum static load: 350 N (78 lbf)

Sealing Notes

NEMA 4 / IP66 sealing is achieved
by using supplied flange gasket

Keys

Lock style 8

Part number: M1-546

Lock style 9,9A,9B,9C,9D

Part number: M1-525-39-XXXX

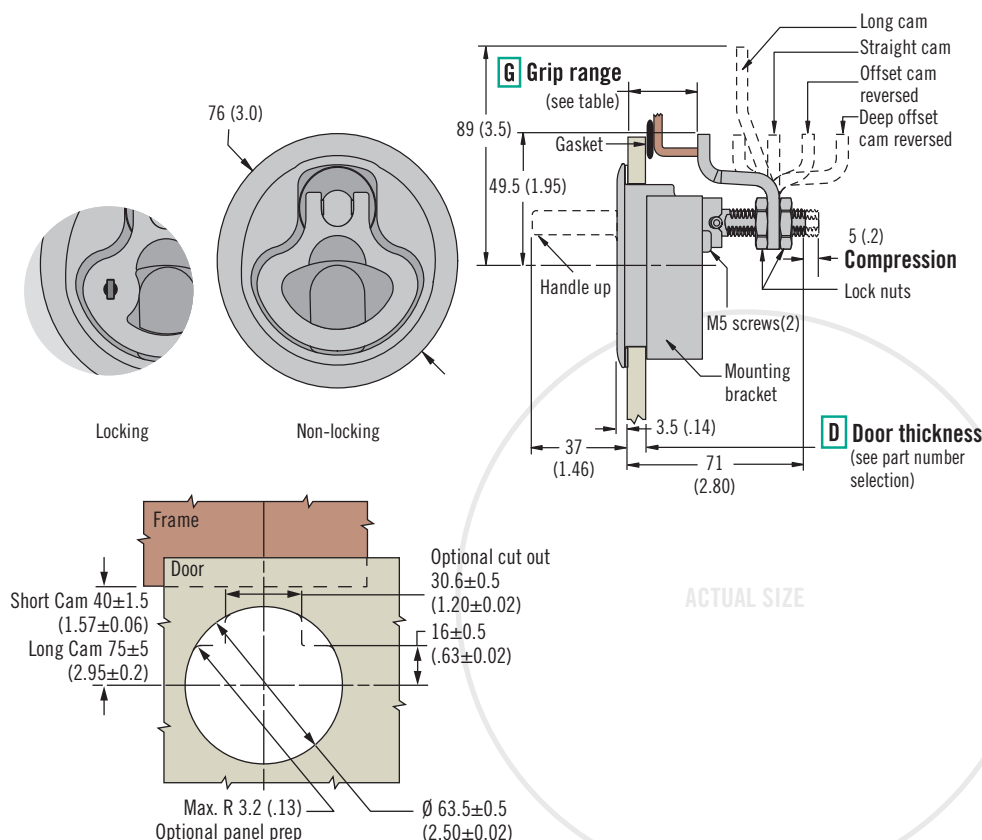
Part Number Selection

See table

See page 258 for complimentary
styled push to close version

Lock Style

Lock Style	Keycodes (XXXX)
9A	S004
9B	S007
9	S008
9C	S014
9D	S016



L Lock style

- 3 Non-locking assemblies
- 8 Locking assemblies
- 9 Key Locking, S008 Keycode
- 9A Key Locking, S004 Keycode
- 9B Key Locking, S007 Keycode
- 9C Key Locking, S014 Keycode
- 9D Key Locking, S016 Keycode

F Finish

- 6 Stainless steel, Black PVD
- 8 Stainless steel

M1 - 25 - L D - G F

D	Door Thickness	Grip Adjustment Value
1	2 - 12 (.075 - .475)	21.5 (.85)
2	12 - 22.5 (.475 - .885)	11.5 (.45)
3	18.5 - 29 (.73 - 1.14)	4 (.12)

Note

All grips of 33.5 (1.32) or below, highlighted in , in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater.

Examples:

For a door thickness of 4mm, the minimum achievable grip is 25.5 and is achieved with a deep offset cam in the forward position. (4 + 21.5 = 25.5)

For a door thickness of 20mm, the minimum achievable grip is 31.5 and is achieved with a deep offset cam in the forward position. (20 + 11.5 = 31.5)

G Grip Range		
Short cam		
5	23.5 - 35 (.92 - 1.38)	Deep offset forward
4	34 - 48 (1.34 - 1.89)	Offset forward
3	47 - 61 (1.85 - 2.40)	Straight
4	60 - 75 (2.36 - 2.95)	Offset reversed
5	74 - 88 (2.91 - 3.47)	Deep offset reversed
Long cam		
8	23.5 - 35 (.92 - 1.38)	Deep offset forward
7	34 - 48 (1.34 - 1.89)	Offset forward
6	47 - 61 (1.85 - 2.40)	Straight
7	60 - 75 (2.36 - 2.95)	Offset reversed
8	74 - 88 (2.91 - 3.47)	Deep offset reversed