



M1 20 Series Compression Latch

Medium · Cast 316 stainless steel · Lift & turn · Adjustable grip

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

Material and Finish

Cast 316 grade stainless steel

Performance Details

Short cam

Max. static load: 460 N (103 lbf)

Long cam

Max. static load: 350 N (78 lbf)

Sealing Notes

NEMA 4/IP-66 sealing is achieved by using supplied flange gasket

Keys

Lock style 8

Part number: M1-546



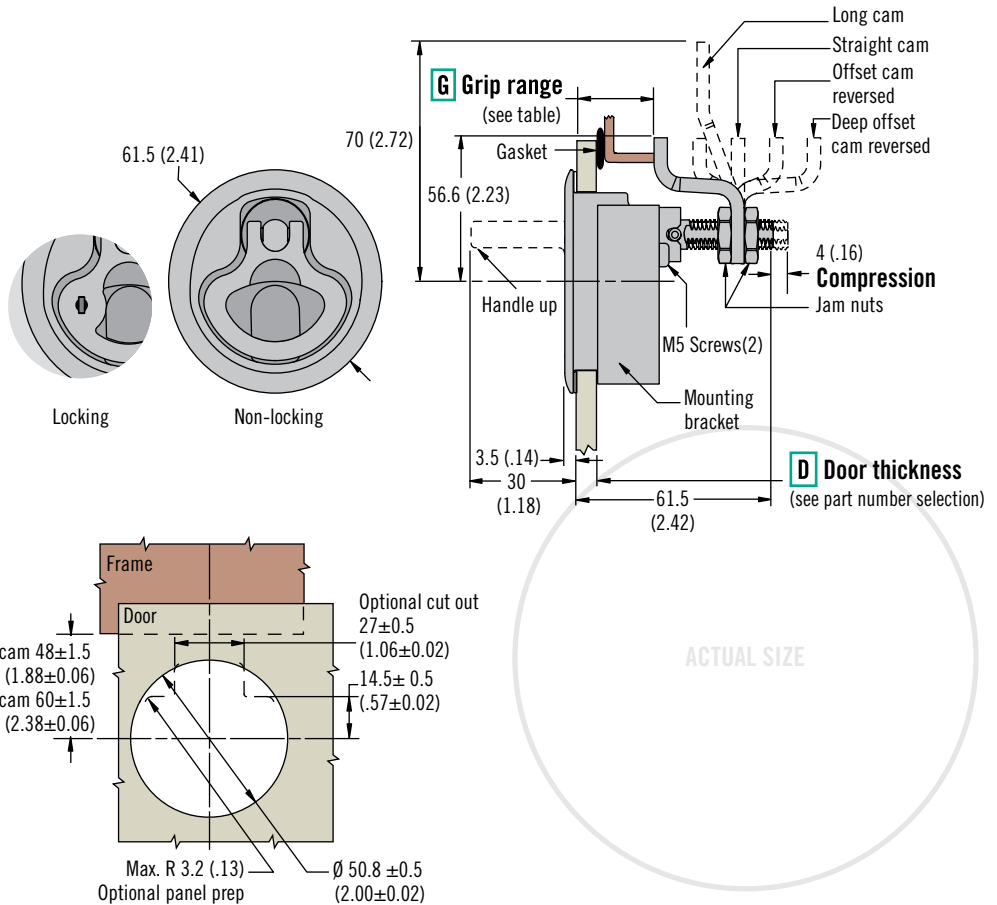
Lock style 9



Part number: M1-525-39-S008

Part Number Selection

See page 151 for complimentary styled push to close version



- L Lock style**
- 3 Non-locking
 - 8 Locking (2 keys supplied)
 - 9 Key-locking keyed alike S008 (2 overmolded keys supplied)

M1 - 20 - L D - G 8

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)

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 (2.01 - 2.52)	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 (2.01 - 2.52)	Straight
7	51 - 64 (2.01 - 2.52)	Offset reversed
8	63 - 76 (2.48 - 3.00)	Deep offset reversed

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:

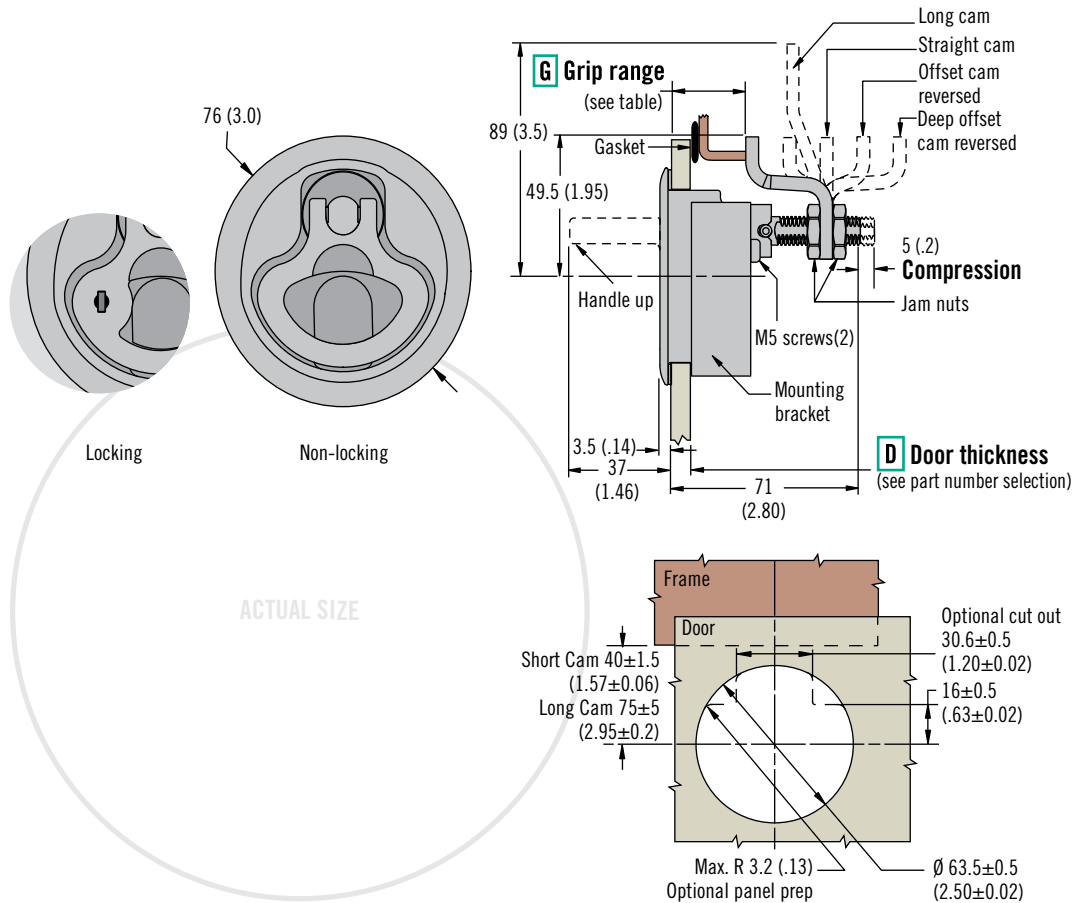
For a door thickness of 4 mm, the minimum achievable grip is 23 and is achieved with a deep offset cam in the forward position. (4 + 19 = 23)

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

Dimensions in millimeters (inch) unless otherwise stated

M1 25 Series Compression Latch

Large · Cast 316 stainless steel · Lift & turn · Adjustable grip



- Consistent pre-set compression
- Easy grip adjustment

Material and Finish

Stainless steel cast 316 grade

Performance Details

Short cam

Max. static load: 1010 N (227 lbf)

Long cam

Max. static load: 350 N (78 lbf)

Sealing Notes

NEMA 4/IP-66 sealing is achieved by using supplied flange gasket

Keys

Lock style 8

Part number: M1-546

Lock style 9



Part number: M1-525-39-S008

Part Number Selection

See page 152 for complimentary styled push to close version

L Lock style

- 3 Non-locking
- 8 Locking (2 keys supplied)
- 9 Key-locking keyed alike S008 (2 overmolded keys supplied)

M1 - 25 - L D - G 8

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)

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

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

M1-0-27358-01	M1-20-92-58	M1-25-82-88	M1-41-877	M1-520-92-4
M1-0-27358-02	M1-20-92-68	M1-25-83-38	M1-42	M1-520-93-4
M1-15-41-8	M1-20-92-78	M1-25-83-48	M1-42-1	M1-520-94-8-008
M1-15-61-8	M1-20-92-88	M1-25-83-58	M1-42-7	M1-525-19-4
M1-15-6P-8	M1-20-93-38	M1-25-83-68	M1-42-8	M1-525-39-S001
M1-20-31-38	M1-20-93-48	M1-25-83-78	M1-42-800	M1-525-39-S004
M1-20-31-48	M1-20-93-58	M1-25-83-88	M1-42-811	M1-525-39-S007
M1-20-31-58	M1-20-93-68	M1-25-91-38	M1-42-877	M1-525-39-S008
M1-20-31-68	M1-20-93-78	M1-25-91-48	M1-43	M1-525-39-S014
M1-20-31-78	M1-20-93-88	M1-25-91-58	M1-43-1	M1-525-39-S015
M1-20-31-88	M1-25-31-38	M1-25-91-68	M1-43-7	M1-525-39-S016
M1-20-32-38	M1-25-31-48	M1-25-91-78	M1-43-8	M1-525-56-8-004
M1-20-32-38-PA	M1-25-31-58	M1-25-91-88	M1-43-800	M1-525-56-8-007
M1-20-32-48	M1-25-31-68	M1-25-92-38	M1-43-811	M1-525-56-8-008
M1-20-32-48-PA	M1-25-31-78	M1-25-92-48	M1-43-877	M1-525-56-8-014
M1-20-32-58	M1-25-31-88	M1-25-92-58	M1-44	M1-525-56-8-016
M1-20-32-68	M1-25-32-38	M1-25-92-68	M1-44-1	M1-525-72-8
M1-20-32-78	M1-25-32-48	M1-25-92-78	M1-44-7	M1-525-73-8
M1-20-32-88	M1-25-32-48-6	M1-25-92-88	M1-44-8	M1-525-77-4
M1-20-33-38	M1-25-32-58	M1-25-93-38	M1-44-800	M1-525-78-4
M1-20-33-48	M1-25-32-68	M1-25-93-48	M1-44-811	M1-525-79-4
M1-20-33-58	M1-25-32-78	M1-25-93-58	M1-44-877	M1-525-80
M1-20-33-68	M1-25-32-88	M1-25-93-68	M1-510-19-8	M1-525-81
M1-20-33-78	M1-25-33-38	M1-25-93-78	M1-510-96-1	M1-525-86-8
M1-20-33-88	M1-25-33-48	M1-25-93-88	M1-514-4	M1-525-87
M1-20-81-38	M1-25-33-58	M1-2A-11-1	M1-515-4	M1-525-88
M1-20-81-48	M1-25-33-68	M1-2A-11-5	M1-516-12	M1-545-4
M1-20-81-58	M1-25-33-78	M1-2A-11-8	M1-516-8	M1-546
M1-20-81-68	M1-25-33-88	M1-2A-12-1	M1-517-11	M1-551-2
M1-20-81-78	M1-25-41-18	M1-2A-12-14	M1-517-12	M1-557-2
M1-20-81-88	M1-25-41-28	M1-2A-12-5	M1-517-8	M1-558-2
M1-20-82-38	M1-25-42-18	M1-2A-12-8	M1-518-11	M1-561-2
M1-20-82-38-PA	M1-25-42-28	M1-2A-13-1	M1-518-12	M1-61
M1-20-82-48	M1-25-61-18	M1-2A-13-5	M1-519-4	M1-61-1
M1-20-82-48-PA	M1-25-61-28	M1-2A-15-1	M1-520-16-8	M1-61-7
M1-20-82-58	M1-25-62-18	M1-2A-15-14	M1-520-18-8	M1-61-8
M1-20-82-68	M1-25-62-28	M1-2A-15-5	M1-520-23-8	M1-61-800
M1-20-82-78	M1-25-71-18	M1-2A-23-5	M1-520-25-8	M1-61-811
M1-20-82-88	M1-25-71-28	M1-2A-53-1	M1-520-25-8-98	M1-61-877
M1-20-83-38	M1-25-72-18	M1-2A-55-1	M1-520-26-8	M1-62
M1-20-83-48	M1-25-72-28	M1-2A-8-101-5	M1-520-36-8	M1-62-1
M1-20-83-58	M1-25-81-38	M1-2A-9-101-5	M1-520-56-8-008	M1-62-7
M1-20-83-68	M1-25-81-48	M1-2A-9-102-5	M1-520-72-8	M1-62-8
M1-20-83-78	M1-25-81-58	M1-2A-9-105-41	M1-520-73-8	M1-62-800
M1-20-83-88	M1-25-81-68	M1-2F-1-25	M1-520-77-4	M1-62-811
M1-20-91-38	M1-25-81-78	M1-2F-2-25	M1-520-78-4	M1-62-877
M1-20-91-48	M1-25-81-88	M1-2F-3-25	M1-520-79-4	M1-63
M1-20-91-58	M1-25-82-38	M1-41	M1-520-80	M1-63-1
M1-20-91-68	M1-25-82-48	M1-41-1	M1-520-81	M1-63-7
M1-20-91-78	M1-25-82-48-6	M1-41-7	M1-520-85-8	M1-63-8
M1-20-91-88	M1-25-82-58	M1-41-8	M1-520-87	M1-63-800
M1-20-92-38	M1-25-82-68	M1-41-800	M1-520-88	M1-63-811
M1-20-92-48	M1-25-82-78	M1-41-811	M1-520-91-4	M1-63-877

M1-64

M1-64-1

M1-64-7

M1-64-8

M1-64-800

M1-64-811

M1-64-877

M1-71-1

M1-71-8

M1-72-8

M1-73-8

M1-74-8

M1-81

M1-82

M1-83