

# 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

### 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

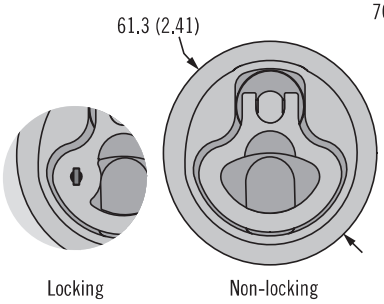
### Keys
Lock style 8
Part number: M1-546

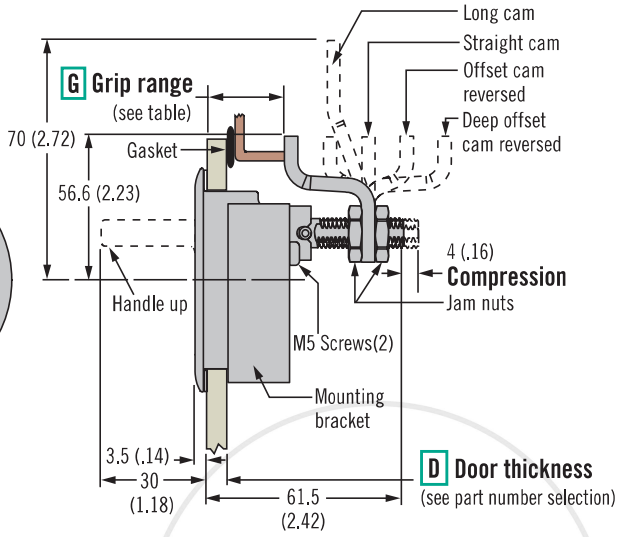


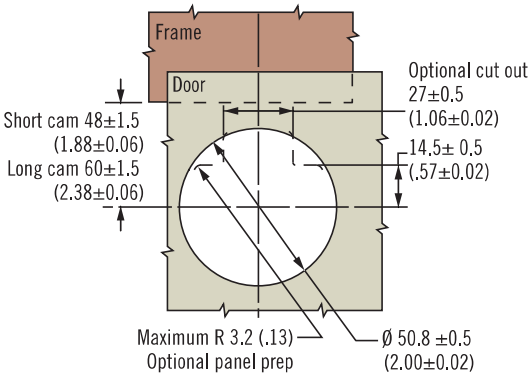
Lock style 9



Part number: M1-525-39-S008




ACTUAL SIZE

### Part Number Selection
See table

See page 257 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 (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 |

**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)



Dimensions in millimeters (inch) unless otherwise stated