| REVISION HISTORY | | | |
|---|---|---|---|
| REV | DATE | BY | DESCRIPTION |
| H | 28AUG2024 | PSP/SAK | PRN: P2024-1500 |

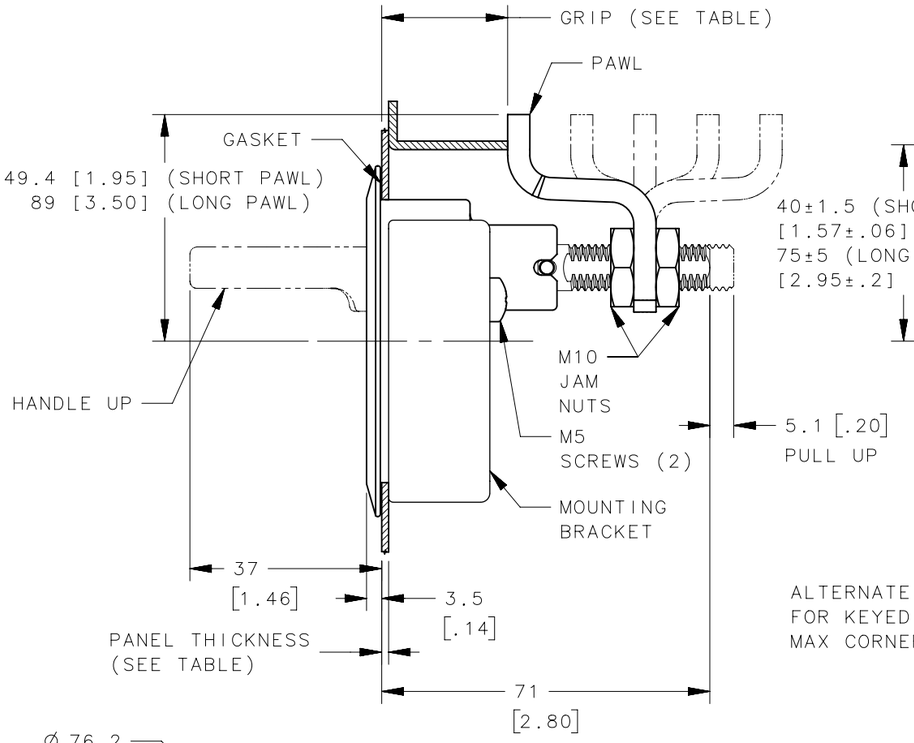
| D | DOOR THICKNESS | G GRIP MIN | G GRIP MAX | SHORT REACH PART NUMBER | LONG REACH PART NUMBER |
|---|---|---|---|---|---|
| 1 | 2 TO 12 [.075 TO .475] | 23.5 [.93]* | 35 [1.38] | M1-25-L1-5F | M1-25-L1-8F |
| | | 34 [1.34] | 48 [1.89] | M1-25-L1-4F | M1-25-L1-7F |
| | | 47 [1.85] | 61 [2.40] | M1-25-L1-3F | M1-25-L1-6F |
| | | 60 [2.36] | 75 [2.95] | M1-25-L1-4F | M1-25-L1-7F |
| | | 74 [2.91] | 88 [3.47] | M1-25-L1-5F | M1-25-L1-8F |
| 2 | 12 TO 22.5 [.475 TO .885] | 23.5 [.93]* | 35 [1.38] | M1-25-L2-5F | M1-25-L2-8F |
| | | 34 [1.34] | 48 [1.89] | M1-25-L2-4F | M1-25-L2-7F |
| | | 47 [1.85] | 61 [2.40] | M1-25-L2-3F | M1-25-L2-6F |
| | | 60 [2.36] | 75 [2.95] | M1-25-L2-4F | M1-25-L2-7F |
| | | 74 [2.91] | 88 [3.47] | M1-25-L2-5F | M1-25-L2-8F |
| 3 | 18.5 TO 29 [.73 TO 1.14] | 22.5 [.89]* | 35 [1.38] | M1-25-L3-5F | M1-25-L3-8F |
| | | 34 [1.34] | 48 [1.89] | M1-25-L3-4F | M1-25-L3-7F |
| | | 47 [1.85] | 61 [2.40] | M1-25-L3-3F | M1-25-L3-6F |
| | | 60 [2.36] | 75 [2.95] | M1-25-L3-4F | M1-25-L3-7F |
| | | 74 [2.91] | 88 [3.47] | M1-25-L3-5F | M1-25-L3-8F |

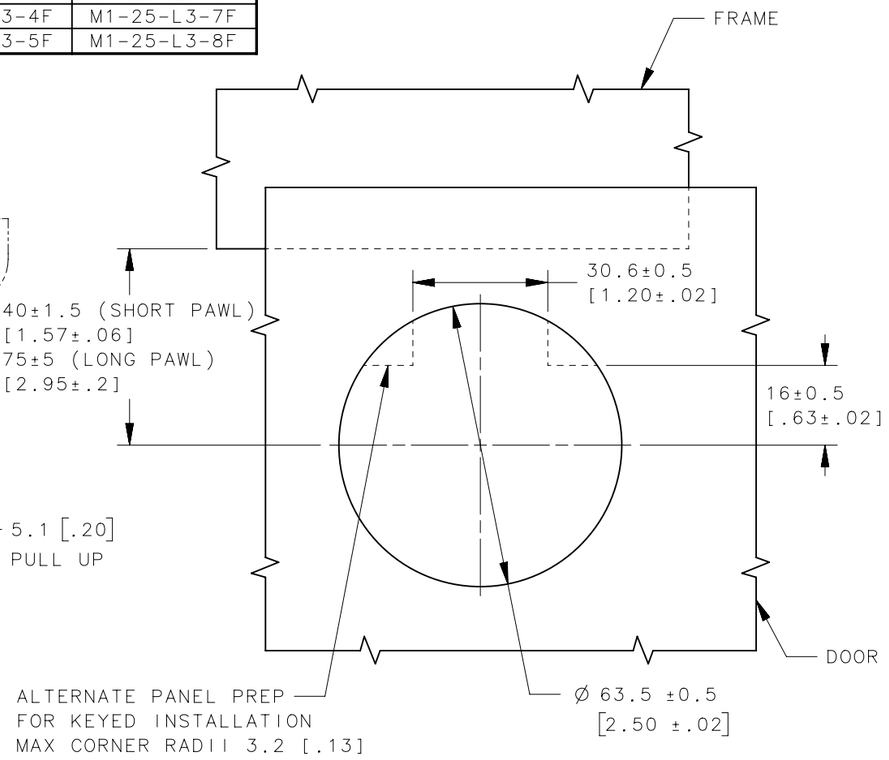
* SEE NOTE 1

## STANDARD PART NUMBER

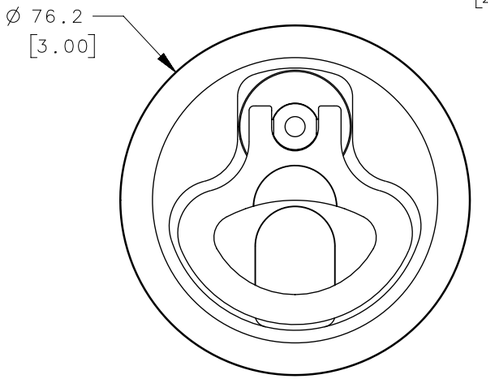
M1-25-[L][D]-[G][F]

LOCK STYLE / DOOR THICKNESS / GRIP RANGE / FINISH

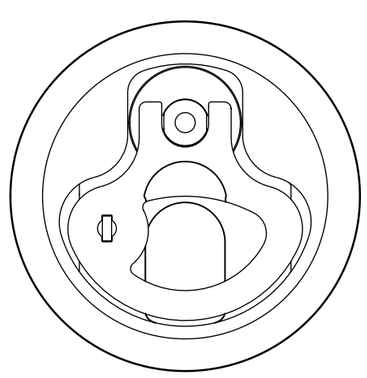



PANEL PREPARATION




LATCH ASSEMBLY (NON-LOCKING)



LATCH ASSEMBLY (LOCKING)

NOTES:

1. GRIPS UNDER 33.5 [1.32] (30 [1.18] FOR LONG PAWL) ARE AFFECTED BY PANEL THICKNESS. USE THE FOLLOWING CHART TO DETERMINE YOUR MINIMUM GRIP BY ADDING THE OFFSET VALUE TO YOUR PANEL THICKNESS.

| PART NUMBER | OFFSET VALUE |
|---|---|
| M1-25-L1-5F | 21.5 [.85] |
| M1-25-L2-5F | 11.5 [.45] |
| M1-25-L3-5F | 4 [.12] |
| M1-25-L1-8F | 18 [.71] |
| M1-25-L2-8F | 8 [.32] |
| M1-25-L3-8F | 0.5 [.02] |

2. FOR LONG PAWL ASSEMBLIES WHERE ONLY A 90° TURN IS DESIRED, A MINIMUM GRIP OF 22 CAN BE OBTAINED FOR ALL PANEL THICKNESSES.

3. [F] = 6 - STAINLESS STEEL, BLACK PVD (FOR L=9 ONLY)
   = 8 - STAINLESS STEEL, ELECTROPOLISHED

4. [L] = 3 - NON LOCKING
   = 8 - LOCKING

5. USE A 17mm WRENCH ON EACH JAM NUT SIMULTANEOUSLY TO SECURE PAWL DURING ASSEMBLY TO AVOID TRANSMISSION OF TORQUE TO PINS/HANDLE

MATERIAL AND FINISH

ALL VERSIONS:
-HOUSING, HANDLE: CF-8M STAINLESS STEEL (NOMINAL CAST EQUIVALENT OF 316 STAINLESS STEEL), ELECTROPOLISHED OR BLACK PVD
-MOUNTING BRACKET: CF-8M STAINLESS STEEL (NOMINAL CAST EQUIVALENT OF 316 STAINLESS STEEL), ELECTROPOLISHED
-STUD: 316 STAINLESS STEEL, PASSIVATED OR BLACK PVD
-JAM NUTS: 316 STAINLESS STEEL, PASSIVATED
-WEAR WASHER: NYLON, GRAY
-O-RINGS: BUNA-N, NATURAL
-PINS,PAWLS,SPRING AND SCREWS:300 SERIES STAINLESS STEEL, PASSIVATED
-SLEEVE: ACETAL, BLACK
-GASKET: NEOPRENE, BLACK

LOCKING ONLY:
-LOCKPLUG: CF-8M STAINLESS STEEL
-RETAINER: 301 STAINLESS STEEL, PASSIVATED
-LOCKPLUG O-RING: BUNA-N, NATURAL
-KEYS: 300SERIES STAINLESS STEEL

| | | |
|---|---|---|
| CPB NUMBER 2023-0253 | THIRD ANGLE PROJECTION | southco® CONNECT·CREATE·INNOVATE |
| | MILLIMETERS [IN] | DESCRIPTION: M1 2.5 INCH COMPRESSION LATCH NON-LOCKING AND LOCKING |
| SURFACE AREA | TOLERANCES UNLESS OTHERWISE NOTED: ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY. | SIZE A3 / SYSTEM NX / DWG NO. J-M1-25-3 |
| VOLUME | | |
| PROPRIETARY ITEM: EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC. | PER ASME Y14.5M-2009 | DRAWN BY JWJ / DATE 15NOV2002 / SCALE 0.75:1 / SHEET 1 OF 1 |