REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
G	27AUG2024	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]	21 [.83] *	28 [1.10] *	M1-20-L1-5F	M1-20-L1-8F
		27 [1.06] *	40 [1.57]	M1-20-L1-4F	M1-20-L1-7F
		39 [1.53]	52 [2.04]	M1-20-L1-3F	M1-20-L1-6F
		51 [2.01]	64 [2.52]	M1-20-L1-4F	M1-20-L1-7F
		63 [2.48]	76 [3.00]	M1-20-L1-5F	M1-20-L1-8F
2	12 TO 22.5 [.475 TO .885]	21 [.83] *	28 [1.10] *	M1-20-L2-5F	M1-20-L2-8F
		27 [1.06] *	40 [1.57]	M1-20-L2-4F	M1-20-L2-7F
		39 [1.53]	52 [2.04]	M1-20-L2-3F	M1-20-L2-6F
		51 [2.01]	64 [2.52]	M1-20-L2-4F	M1-20-L2-7F
		63 [2.48]	76 [3.00]	M1-20-L2-5F	M1-20-L2-8F
3	18.5 TO 29 [.73 TO 1.14]	21 [.83] *	28 [1.10] *	M1-20-L3-5F	M1-20-L3-8F
		27 [1.06] *	40 [1.57]	M1-20-L3-4F	M1-20-L3-7F
		39 [1.53]	52 [2.04]	M1-20-L3-3F	M1-20-L3-6F
		51 [2.01]	64 [2.52]	M1-20-L3-4F	M1-20-L3-7F
		63 [2.48]	76 [3.00]	M1-20-L3-5F	M1-20-L3-8F

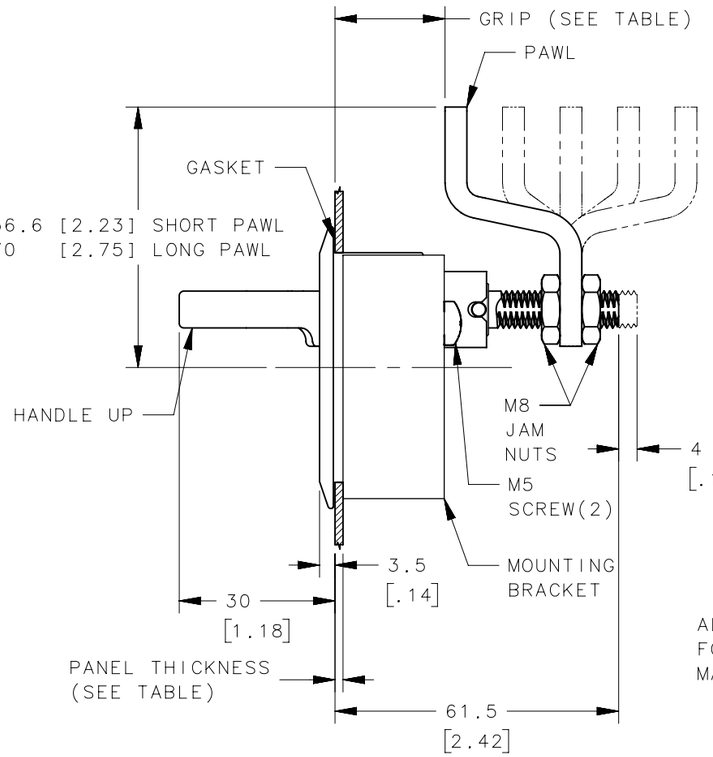
MILLIMETERS [INCHES]

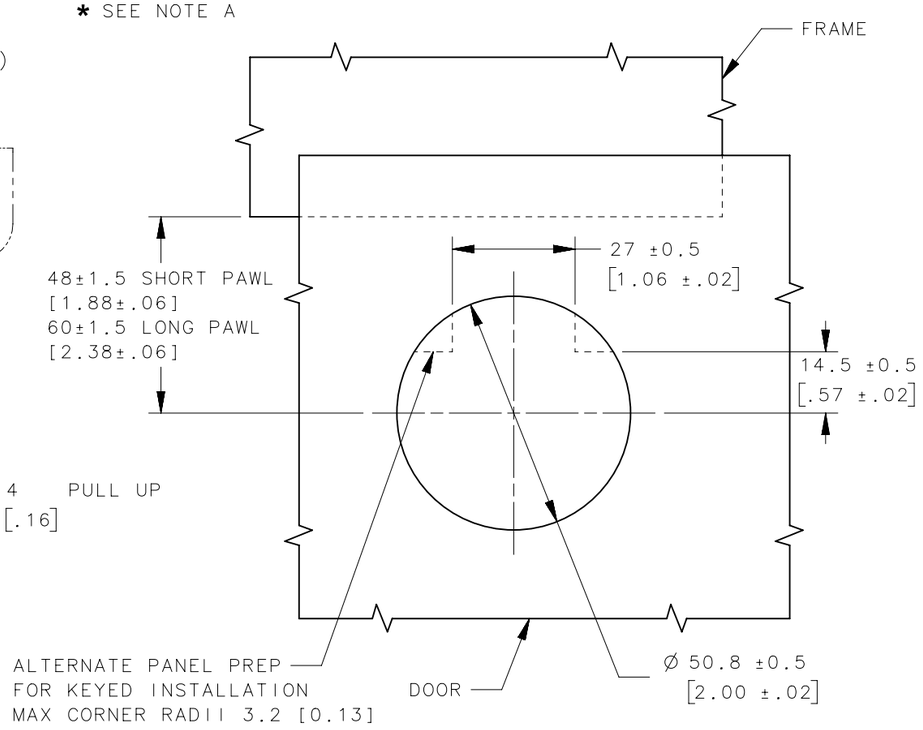
* SEE NOTE A

STANDARD PART NUMBER

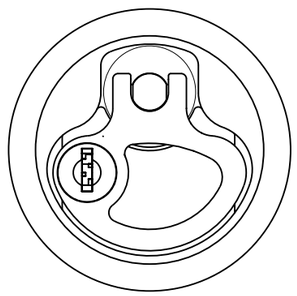
M1-20-[L][D]-[G][F]

LOCK STYLE / DOOR THICKNESS / GRIP RANGE / FINISH

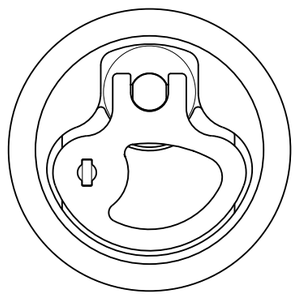




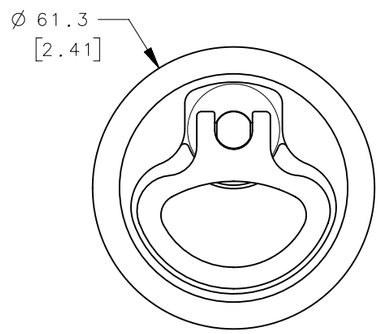
PANEL PREPARATION



LATCH ASSEMBLY (KEY LOCKING)



LATCH ASSEMBLY (LOCKING)



LATCH ASSEMBLY (NON-LOCKING)

NOTES:

A. GRIPS UNDER 35 [1.38] ARE AFFECTED BY DOOR THICKNESS. USE THE FOLLOWING CHART TO DETERMINE YOUR MINIMUM GRIP BY ADDING THE OFFSET VALUE TO YOUR PANEL THICKNESS:

PART NUMBER	OFFSET VALUE
M1-20-L1-4F	19 [.75]
M1-20-L1-5F	
M1-20-L1-7F	
M1-20-L1-8F	
M1-20-L2-4F	9 [.35]
M1-20-L2-5F	
M1-20-L2-7F	
M1-20-L2-8F	
M1-20-L3-4F	2.5 [.10]
M1-20-L3-5F	
M1-20-L3-7F	
M1-20-L3-8F	

B. [L] = 3 - NON LOCKING (ROUND HOUSE ONLY)
= 8 - LOCKING (ROUND HOUSE ONLY)
= 9 - KEY LOCKING (ROUND HOUSE ONLY)

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

D. USE A 13mm WRENCH ON EACH JAM NUT SIMULTANEOUSLY TO SECURE PAWL DURING ASSEMBLY TO AVOID TRANSMISSION OF TORQUE TO PINS/HANDLE

MATERIAL AND FINISH

ALL VERSIONS:
-HANDLE: STAINLESS STEEL (NOMINAL CAST EQUIVALENT OF 316 STAINLESS STEEL), ELECTROPOLISHED OR BLACK PVD
-PINS AND PAWLS: 302 STAINLESS STEEL, PASSIVATED
-STUD: 316 STAINLESS STEEL, PASSIVATED OR BLACK PVD
-JAM NUTS: 316 STAINLESS STEEL, PASSIVATED
-WEAR WASHER: NYLON, GRAY
-O-RINGS: BUNA-N, NATURAL
-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

KEY LOCKING ONLY:
-LOCKPLUG BODY: 316 STAINLESS STEEL
-RETAINER: 301 STAINLESS STEEL
-WAFERS: BRASS
-SPRINGS: 300 SERIES STAINLESS STEEL
-KEYS: BRASS, NICKEL PLATED; OVERMOLD: ABS PLASTIC

CPB NUMBER 2023-0253
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THIRD ANGLE PROJECTION
MILLIMETERS [IN]
TOLERANCES UNLESS OTHERWISE NOTED
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.
PER ASME Y14.5M-2009

southco®
CONNECT·CREATE·INNOVATE

DESCRIPTION: M1 2 INCH COMPRESSION LATCH

SIZE	SYSTEM	DWG NO.
A3	NX	J-M1-20-3

DRAWN BY	DATE	SCALE	SHEET
AJH/JWJ	16JAN2004	0.75:1	1 OF 1