

REV	DATE	DRAWN/CHKD	DESCRIPTION
H	13FEB2003	DLH/AJH	PRN: P2002-0874
I	03SEP2003	AAB/CHW	PRN: P2003-0769
J	02JUL2005	AJH/VNI	PRN: P2005-0812
K	23MAY2006	MJS/RLR	PRN: P2006-0726

PART NUMBER	SCREW PROJECTION		PANEL THICKNESS	
	P-1	P-2	A, MIN	A, MAX
47-90-5X1-YZ	0.6	5.5	0.9	-
47-91-5X1-YZ	2.2	7.1		
47-92-5X1-YZ	3.8	8.7		
47-93-5X1-YZ	5.4	10.3		

**MILLIMETERS**

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

THIRD ANGLE PROJECTION

A3 PAPER SIZE

NOTES:

A. MATERIAL AND FINISH:

- KNOB: 6000 SERIES ALUMINUM
- SCREW: 400 SERIES STAINLESS STEEL, PASSIVATED; OR HARDENED CARBON STEEL, ZINC PLATE, CHROMATE PLUS SEALER (SEE "Z" TABLE) (NOTE: KNOB AND TOP OF SCREW AVAILABLE WITH POWDER COATING; SEE "Y" TABLE)
- FERRULE: HARDENED CARBON STEEL; ZINC PLATE, CHROMATE PLUS SEALER
- SPRING: 300 SERIES STAINLESS STEEL, PASSIVATED

B. RoHS COMPLIANT.

"X" SCREW RECESS

"Y" FINISH ON KNOB & SCREW HEAD

2 - BRIGHT  
4 - CUSTOM COLOR, SEE J-47-0-3 FOR ADDITIONAL SUFFIX  
6 - BLACK POWDER COATED

"Z" KNOB TYPE AND SCREW MATERIAL

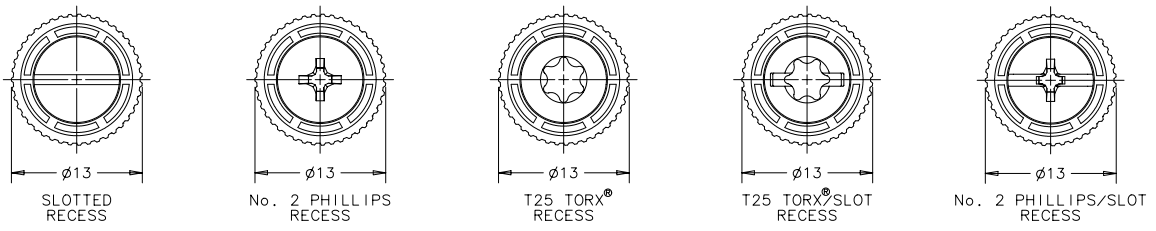
KNOB	SCREW MATERIAL	RECESS	
		SLOTTED PHILLIPS	TORX <sup>®</sup> TORX <sup>®</sup> /SLOT PHILLIPS/SLOT
KNURLED	STAINLESS STEEL	0	N/A
SMOOTH	STAINLESS STEEL	1	N/A
KNURLED	STEEL	4	0
SMOOTH	STEEL	5	1

- "X" SCREW RECESS
- 0 - SLOTTED
  - 2 - No. 2 PHILLIPS
  - 4 - T25 TORX<sup>®</sup>
  - 6 - T25 TORX<sup>®</sup>/SLOT COMBINATION
  - 8 - No. 2 PHILLIPS/SLOT COMBINATION

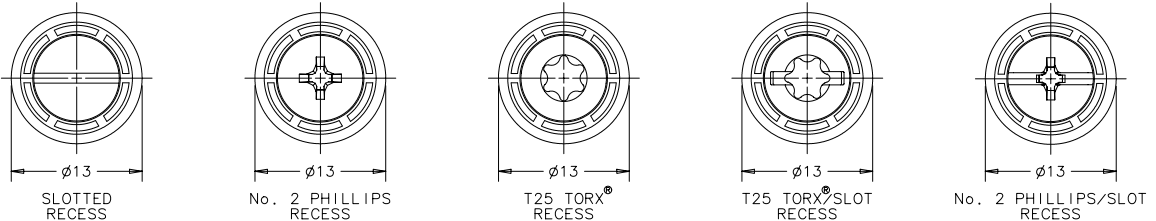
- "Y" FINISH ON KNOB & SCREW HEAD
- 2 - BRIGHT
  - 4 - CUSTOM COLOR, SEE J-47-0-3 FOR ADDITIONAL SUFFIX
  - 6 - BLACK POWDER COATED

KNOB	SCREW MATERIAL	RECESS	
		SLOTTED PHILLIPS	TORX <sup>®</sup> TORX <sup>®</sup> /SLOT PHILLIPS/SLOT
KNURLED	STAINLESS STEEL	0	N/A
SMOOTH	STAINLESS STEEL	1	N/A
KNURLED	STEEL	4	0
SMOOTH	STEEL	5	1

### KNURLED KNOBS



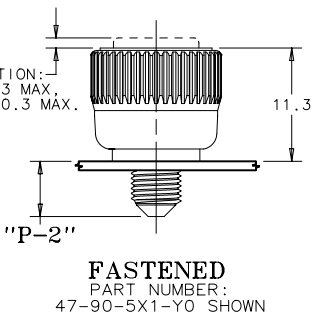
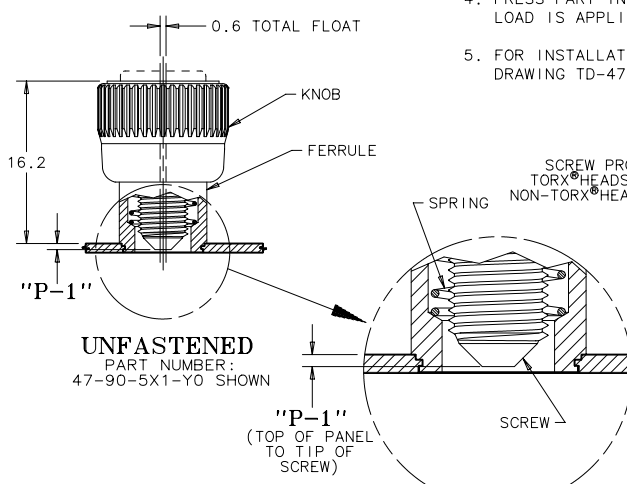
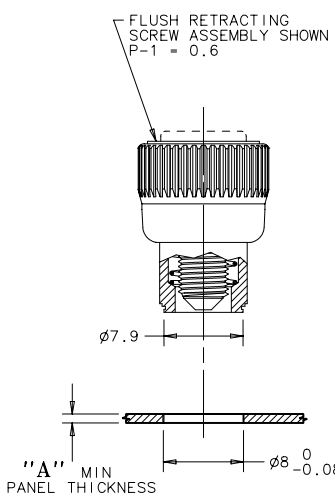
### SMOOTH KNOBS



NOTE: KNOB AND SCREW ARE SPRING LOADED OUTWARD, AS SHOWN BELOW

### TO INSTALL FASTENER:

1. DRILL OR PUNCH HOLE AS SHOWN BELOW.
2. PLACE FERRULE INTO INSTALLATION HOLE.
3. PROVIDE SOLID BACK-UP BEHIND HOLE WITH CLEARANCE HOLE  $\phi 5.2^{+0.2}_{-0.1}$  FOR SCREW.
4. PRESS PART INTO PANEL UNTIL RECOMMENDED LOAD IS APPLIED.
5. FOR INSTALLATION FORCE GUIDELINES SEE DRAWING TD-47-8-J.



**PANEL PREPARATION**  
PART NUMBER: 47-90-5X1-YO SHOWN

SCALE: 4:1

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