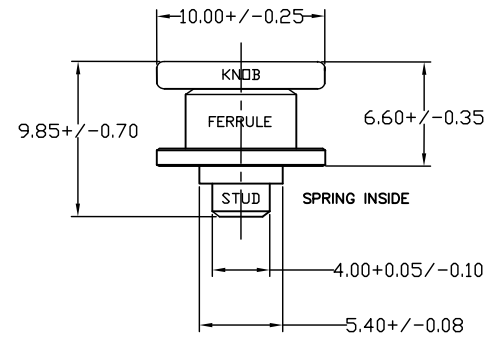
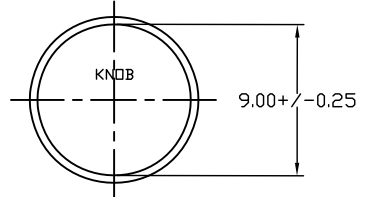


A	B
UNIT	MM

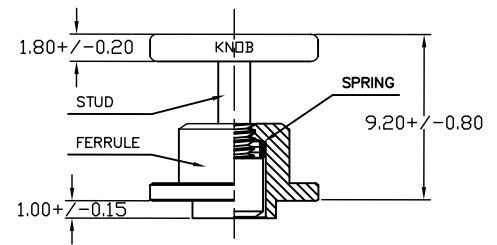
DWG. & P/N = PTL2-04-5-ZN-M3

REVISIONS			
LTR	DESCRIPTION	DATE	APP.

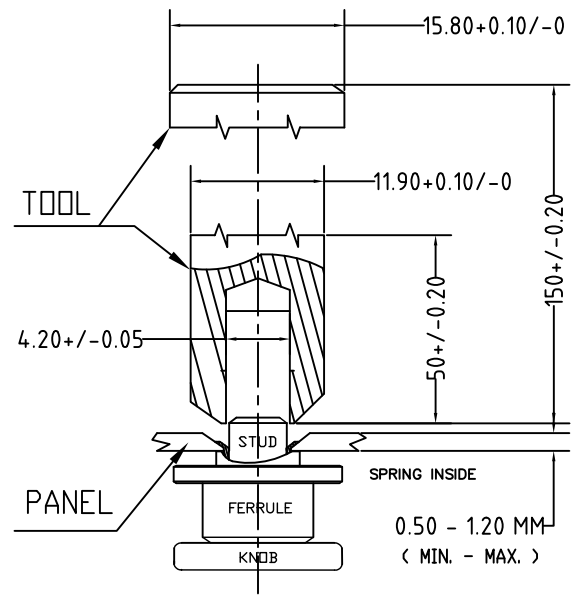
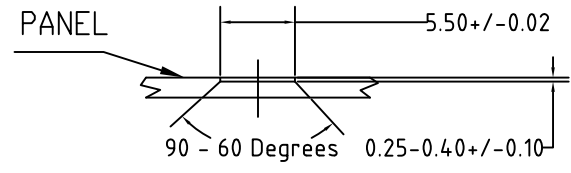
PANEL PREPARATION & INSTALLATION
SMOOTH BACK-UP SURFACE



FASTENED



UNFASTENED



SOLID BACK-UP TOOL (20-25 MM)

- NOTE :
- a) Spec.: 10.00x9.85 MM, Without Knurled, With Zinc CR3+ / Clear In Head.
 - b) Knob : C3604 BRASS, 10.00 x 1.80 MM for T-Head + Zinc CR3+ / Clear.
 - c) Spring:304 Stainless Steel,Passivated.
 - d) Ferrule : AISI 6061 Aluminum + Plain Natural (White) In Surface.
 - e) Stud : SAE 1215MS Steel + Zinc/Clear.
 - f) Sheet Hardness : HRB 55 or Less (For Cold-Rolled-Steel Used)
 - g) Outer Panel Dimensions = Thickness of Steel Plate = 0.80 - 1.00 MM
 - h) Suggestion Hole Dia. = 5.50 +/- 0.02 MM Inner Panel Hole Dia.= 4.20 +/- 0.02 / -0 MM
 - i) Installation Force = 350- 550 LBS (Only Light Pressure Will Be Inquired)
 - j) Min. Dist. Hole C/L To Edge : 7.11 MM
 - k) Tool Will Be Supplied By Client (Buyer)
 - l) Being Accompanied By Latest European RoHS Standard In 2,014 Year !

Tengscrew Co., Ltd. (鄧記有限公司)					CLIENT'S NAME
					APPROVAL NO.
					PART NO.
					TAIPEI-DATE
					APPROVED
					Johnson
NAME	Type PTL2-M3-Spring-Loaded-Plungers			UNIT	mm
TOL. ±	1 PLC	2 PLC	ANGLE	DESIGNED	Tommy
MATERIAL	SEE NOTE			SCALE	2:1
FINISH	SEE NOTE			DATE	02-May-12
THE 3RD PROJECTION				DWG. & P/N.	PTL2-04-5-ZN-M3
				REV.	0C
					1/1

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A B C D E F G H

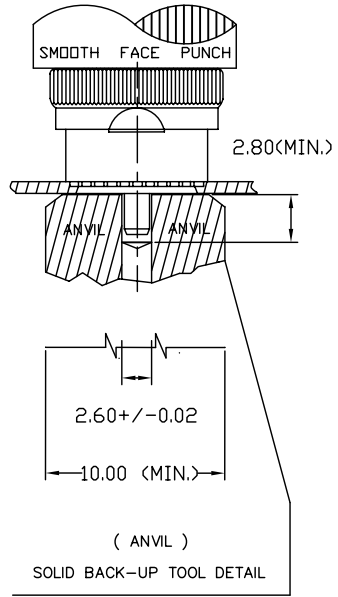
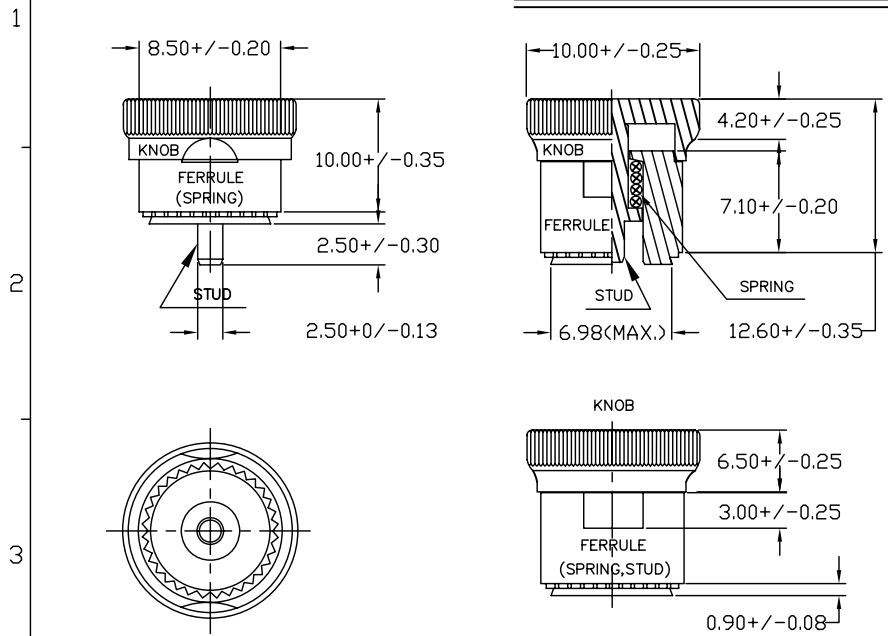
A	B	C	D
UNIT	MM		

P/N=TENGL000031A

REVISIONS			
LTR	DESCRIPTION	DATE	APP.

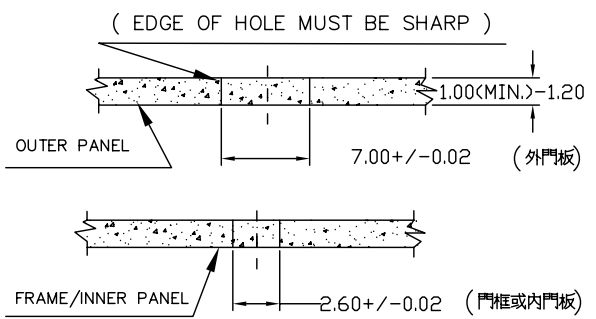
STUD IN THE FERRULE

WITH PUNCH & TOOL SURFACE PARALLEL



- NOTE :
- a) Spec. : 10.00 x 13.50 MM, With Knurled, With Zinc Plated CR3+ In Surface.
 - b) Knob : SAE 1215MS Steel, 10.00 x 6.50 MM for Cylinder Head+ZincPlated CR3+.
 - c) Spring: AISI 304 Stainless Steel + Passivated, 0.50x4.30x7.00xRight MM.
 - d) Ferrule:SAE 1215MS Steel, 8.50 x 8.00 MM, Hardened + Nickel Plated.
 - e) Stud : SAE 1215MS Steel + Hardened, Zinc Plated CR3+ , 2.50 x 13.50 MM.
 - f) Pushout Force : 60 kgf (Ave.) (See Attached Mechanical Properties Test Report No. 9707052 Issued Date 2008/07/05 By Tengscrew Co., Ltd.)
 - g) Sheet Hardness : 150 HV or Less (For Cold-Rolled-Steel Used)
 - h) Thickness Of Steel-Plate : 1.00 MM
 - i) Suggestion Hole Dia.= 7.00+/-0.02 MM & Inner Panel Hole Dia. = 2.60+/-0.02 MM & Installation Force = 950-1,300 Kgf. For Steel Plate Materials Only.
 - j) Min. Dist. Hole C/L To Edge : 8.50 MM

建議以門板到孔中心線的最小距離為8.50mm



堅固卯接底座由客戶提供

鄧記有限公司 (Tengscrew Co., Ltd.)						P / N	
						TENGL000031A	
						APPROVED Johnson	
						DESIGNED Tommy	
						DRAWN Tommy	
						DATE 31-MAR-09	
						REV. 0D	
						DWG. NO. TENGL000031A	
						1/1	

RANGE	TOLERANCE	NAME	10.00 x 13.50 mm Spring Loaded Plungers			UNIT	mm
			1 PLC	2 PLC	ANGLE		
0-10	X	TOL. ±					
10-50	X	CLIENT				SCALE	2:1
50-100	X	P / N				DATE	31-MAR-09
100-UP	X					DWG. NO.	TENGL000031A

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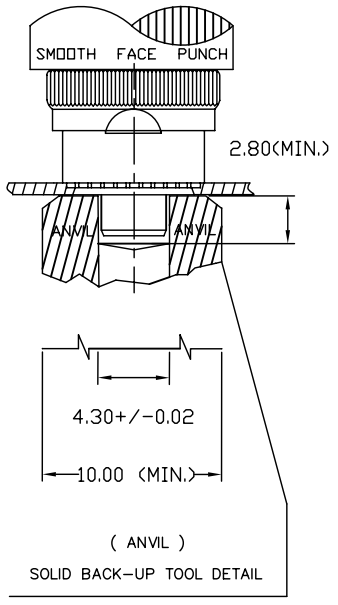
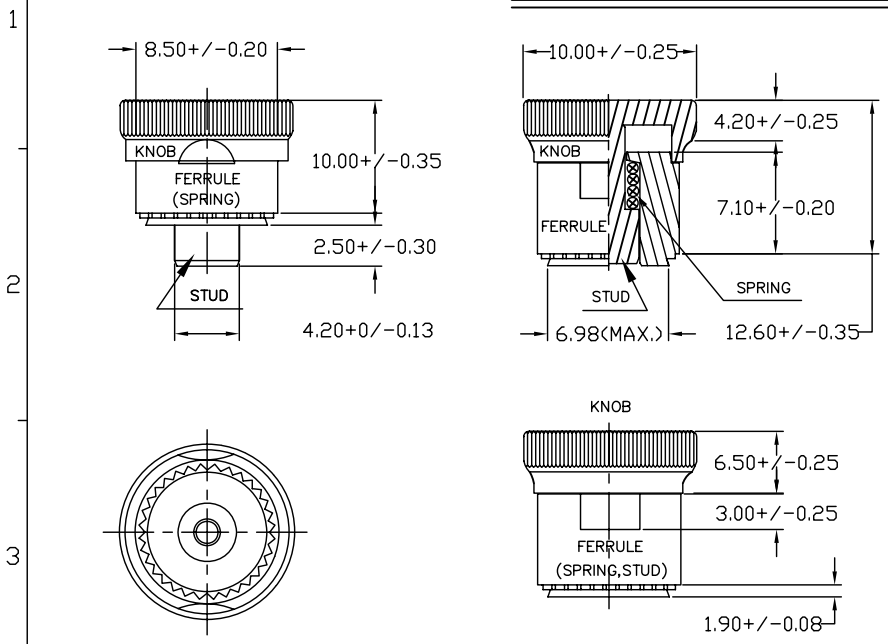
A	B	C	D
UNIT	MM		

P/N=TENGL000031B

REVISIONS			
LTR	DESCRIPTION	DATE	APP.
01	L. 2.50 CHANGE TO 3.50 MM	30-MAR.-09	JS
02	L. 3.50 CHANGE TO 2.50 MM	10-APR.-09	JS

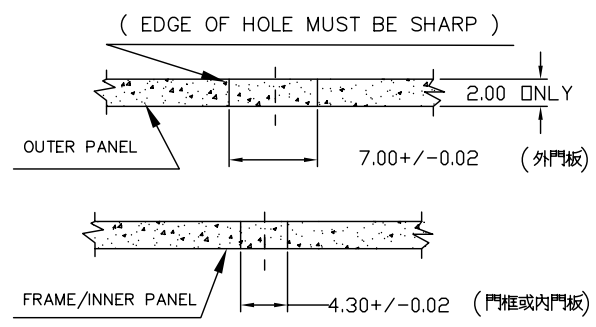
STUD IN THE FERRULE

WITH PUNCH & TOOL SURFACE PARALLEL



- NOTE :
- a) Spec. : 10.00 x 14.50 MM, With Knurled, With Zinc Plated CR3+ In Surface.
 - b) Knob : SAE 1215MS Steel, 10.00 x 6.50 MM for Cylinder Head+ZincPlated CR3+.
 - c) Spring: AISI 304 Stainless Steel + Passivated, 0.50x4.30x7.00xRight MM.
 - d) Ferrule:SAE 1215MS Steel, 8.50 x 9.00 MM, Hardened + Nickel Plated.
 - e) Stud : SAE 1215MS Steel + Hardened, Zinc Plated CR3+, 4.20 x 14.50 MM.
 - f) Pushout Force : 70 kgf (Ave.) (See Attached Mechanical Properties Test Report No. 9707052 Issued Date 2008/07/05 By Tengscrew Co., Ltd.)
 - g) Sheet Hardness : 150 HV or Less (For Cold-Rolled-Steel Used)
 - h) Thickness Of Steel-Plate : 2.00 MM
 - i) Suggestion Hole Dia.= 7.00+/-0.02 MM & Inner Panel Hole Dia. = 4.30+/-0.02 MM & Installation Force = 1,400 Kgf(Ave.) For Steel Plate Materials Only.
 - j) Min. Dist. Hole C/L To Edge : 8.50 MM

建議以門板到孔中心線的最小距離為8.50mm



堅固卯接底座由客戶提供

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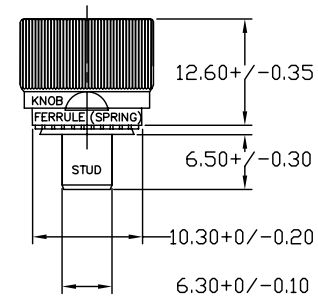
鄧記有限公司 (Tengscrew Co., Ltd.)							P / N	
							TENGL000031B	
RANGE	TOLERANCE	NAME	10.00 x 14.50 mm Spring Loaded Plungers			APPROVED Johnson		
0-10	X	TOL. ±	1 PLC	2 PLC	ANGLE	UNIT	mm	
10-50	X	CLIENT				SCALE	2:1	
50-100	X	P / N				DATE	10-APR.-09	
100-UP	X					DWG. NO.	TENGL000031B	
THE 3RD PROJECTION							REV.	0E
								1/1

A	B
UNIT	MM

定位銷 P/N=TENGL000031C

REVISIONS			
LTR	DESCRIPTION	DATE	APP.

1



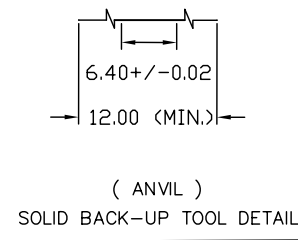
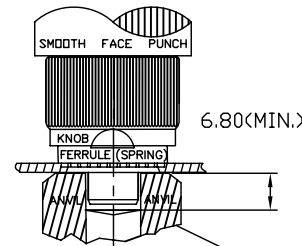
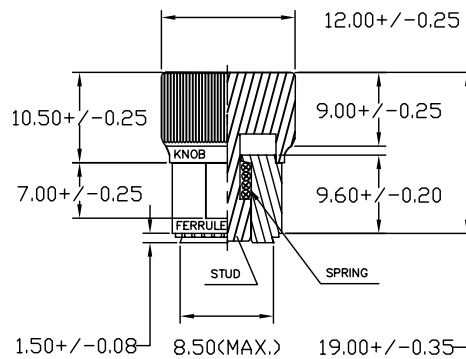
STUD IN THE FERRULE

WITH PUNCH & TOOL SURFACE PARALLEL

NOTE :

- a) Spec. : 12.00 x 20.50 MM, With Knurled, With Zinc Plated CR3+ In Surface.
- b) Knob : SAE 1215MS Steel, 12.00 x 10.50 MM for Cylinder Head+ZincPlated CR3+.
- c) Spring: AISI 304 Stainless Steel + Passivated, 0.50x5.80x11.00xLeft MM.
- d) Ferrule:SAE 1215MS Steel, 10.30 x 11.00 MM, Hardened + Nickel Plated.
- e) Stud : SAE 1215MS Steel + Hardened, Zinc Plated CR3+, 6.30 x 20.50 MM.
- f) Pushout Force : 70 kgf (Ave.)
(See Attached Mechanical Properties Test Report No. 9707052 Issued Date 2008/07/05 By Tengscrew Co., Ltd.)
- g) Sheet Hardness : 150 HV or Less
(For Cold-Rolled-Steel Used)
- h) Thickness Of Steel-Plate : 1.60 MM
- i) Suggestion Hole Dia.= 8.50+/-0.02 MM & Inner Panel Hole Dia. = 6.40+/-0.02 MM & Installation Force = 1,400 Kgf(Ave.) For Steel Plate Materials Only.
- j) Min. Dist. Hole C/L To Edge : 9.50 MM

2



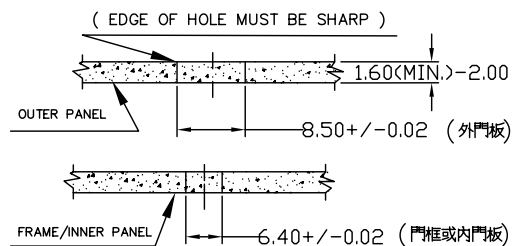
FASTENED

UN-FASTENED

建議以門板到孔中心線的最小距離為 9.50mm

堅固卯接底座由客戶提供

3



4

騰記有限公司 (Tengscrew Co., Ltd.)						P / N	
						TENGL000031C	
APPROVED Johnson						DESIGNED Tommy	
DRAWN Tommy						DATE 01-MAR-10	
REV. 0A						DWG. NO. TENGL000031C	
1/1							

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RANGE	TOLERANCE	NAME	12.00 x 20.50 mm Spring Loaded Plungers			UNIT	mm
0-10	X	TOL. ±	1 PLC	2 PLC	ANGLE		
10-50	X	CLIENT				SCALE	2:1
50-100	X	P / N				DATE	01-MAR-10
100-UP	X	THE 3RD PROJECTION				DWG. NO.	TENGL000031C

5

A B C D E F G H