

CATALOG CODE TI-C5M-X.XX-XX

TORQUE Nm
- 0.15
- 0.25
- 0.30

SHAFT-END TYPE
-01 - KNURLED SHAFT
-02 - SINGLE FIN

CATALOG CODE	DYNAMIC TORQUE	
	NOMINAL	TOLERANCE
	Nm	±
TI-C5M-0.15-01	0.15	30%
TI-C5M-0.25-01	0.25	30%
TI-C5M-0.30-01	0.30	25%
TI-C5M-0.15-02	0.15	30%
TI-C5M-0.25-02	0.25	30%
TI-C5M-0.30-02	0.30	25%

NOTES:

1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. LIFE: 30,000 CYCLES ONE CYCLE CONSISTS OF 135° CW AND 135° CCW.
3. DIMENSIONS APPLY WITH THE ASSEMBLY RESTRAINED IN THE ABC REFERENCE FRAME.
4. HINGE NOT DESIGNED TO SUPPORT AXIAL FORCE IN EITHER DIRECTION.
5. MATERIALS:
DIECAST ZINC HOUSINGS
POWDERED METAL SHAFT END
HARDENED STEEL TORQUE ELEMENT
MINERAL OIL BASED LUBRICANT
6. FINISH:
NON-COSMETIC PLAIN.
7. CUSTOMER IS RESPONSIBLE FOR CHECKING COMPATIBILITY OF REELL LUBRICANTS WITH PLASTICS USED.



TDS Precision Products GmbH
Industriestrasse 1a
CH-8157 Dielsdorf

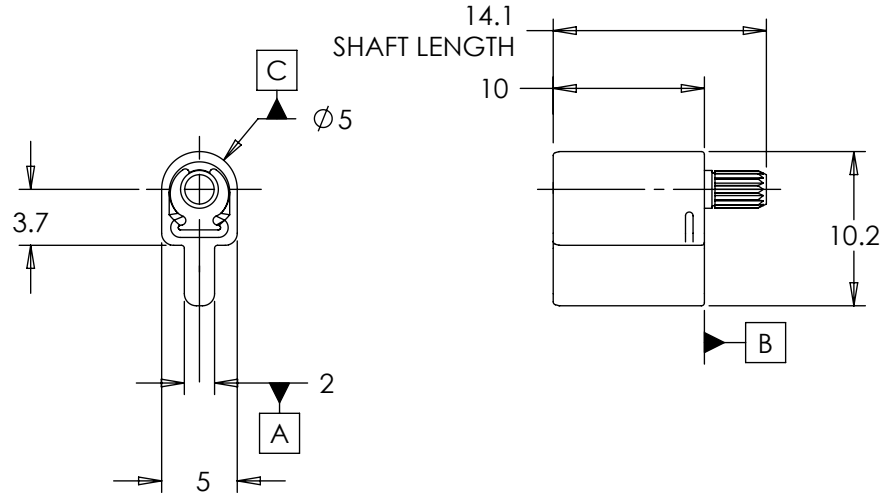
T + 41 44 885 30 80
info@tds-pp.com
www.tds-pp.com

LEVEL	DESCRIPTION	DRAWN	DATE	APPROVED
DRAWN: HMA	DATE: 13DEC13	PART NO:		
CHECKED: STK	DATE: 24APR14	TITLE:		
APPROVED: STK	DATE: 24APR14	SALES DRAWING		
REVISED: 01JUN20	DIMS: mm			
		DESCRIPTION: TI-C5M		REV: N
		SCALE: 2:1	DO NOT SCALE DRAWING	SHEET 1 OF 4

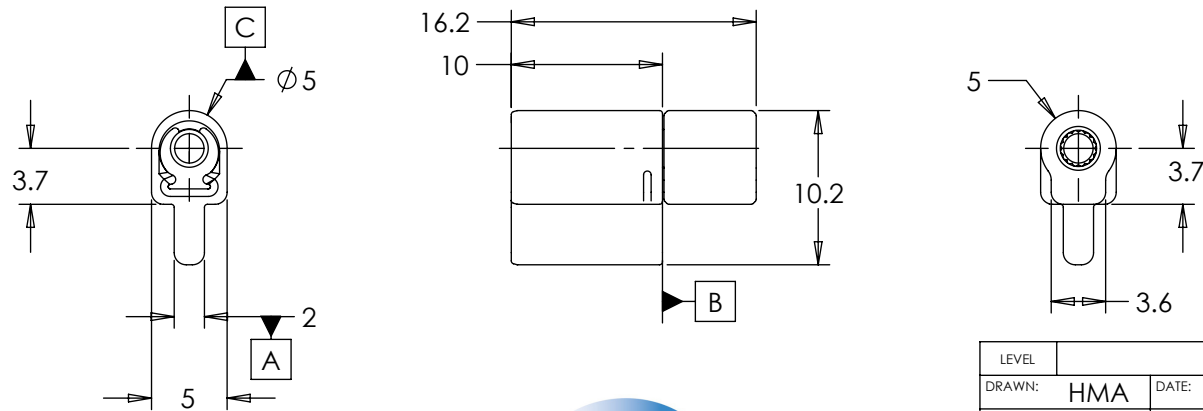
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THIRD ANGLE PROJECTION

SPECIFICATION SUBJECT TO CHANGE

TI-C5M-X.XX-01



TI-C5M-X.XX-02

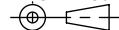


ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.
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info@tds-pp.com
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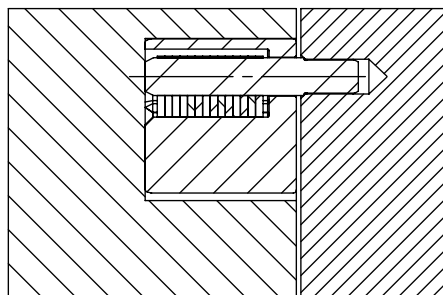
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REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

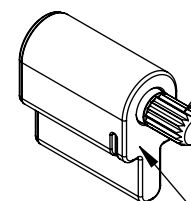
TI-C5M-X.XX-01 CUSTOMER INSTALLATION GEOMETRY

CUSTOMER MATERIAL	D1	D2	L1	L2	L3	L4	L5	L6	CF1	WALL	GAP
DIE CAST ZINC	2.3±0.03	5.05±0.05	3.7±0.05	4.5±0.1	1.9±0.03	5.05 ^{+0.15} _{-0.05}	10±0.05	4.5 MIN	0.3±0.1 X 45°±5°	1.25 MIN	0.1 MIN
MILD STEEL	2.4±0.015										
DIE CAST ALUMINUM	2.3±0.03										
WROUGHT ALUMINUM	2.4±0.015										

- HINGE HOUSING MAY BE PRESS FIT INTO NON-METALLIC MATERIALS. DELRIN DIMENSIONS SPECIFIED FOR HINGE HOUSING ON PAGE 4.
CONTACT REELL FOR OTHER MOUNTING OPTIONS.



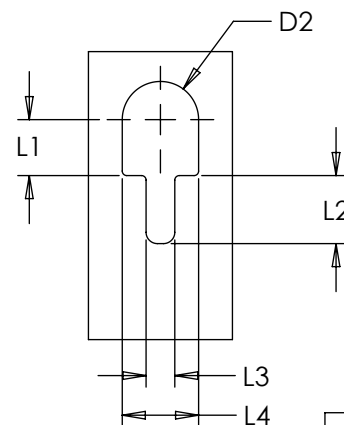
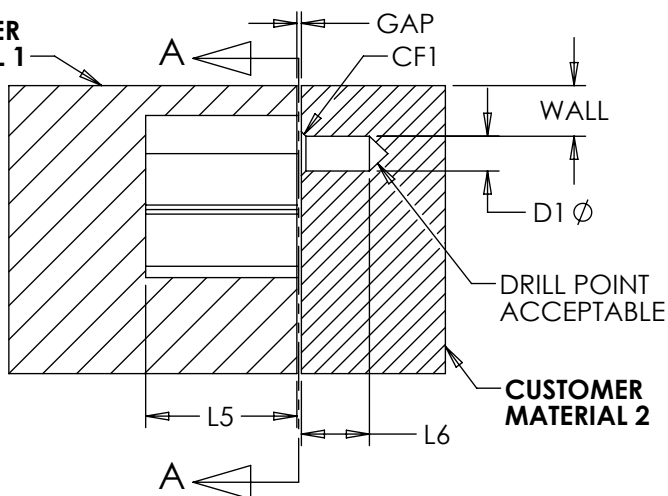
HINGE PRESS



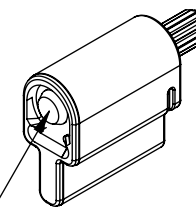
PRESS TOOLING SHOULD BE CLEARANCED TO AVOID CONTACT WITH SHAFT

TO INSERT HINGE, PRESS ON SURFACE INDICATED

CUSTOMER MATERIAL 1



KNURLED SHAFT PRESS



FRONT OF SHAFT MUST BE SUPPORTED DURING INSTALLATION

SECTION A-A

CUSTOMER MATERIAL 1 AND CUSTOMER MATERIAL 2 ALIGNMENT TO BE WITHIN 0.10mm IN ANY DIRECTION TO ENSURE PRODUCT PERFORMANCE.

SPECIFICATION SUBJECT TO CHANGE

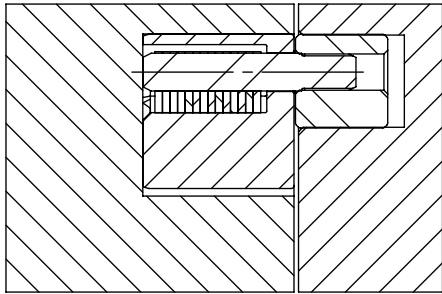
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APPROVED: STK	DATE: 24APR14	<h2>SALES DRAWING</h2>		
REVISED: 01JUN20	DIMS: mm			
		DESCRIPTION: TI-C5M	REV: N	
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THIRD ANGLE PROJECTION

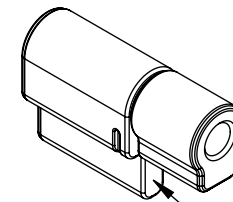
TI-C5M-X.XX-02 CUSTOMER INSTALLATION GEOMETRY

CUSTOMER MATERIAL	D1	D2	L1	L2	L3	L4	L5	L6	L7	L8	R1	CF1	WALL	GAP
DIE CAST ZINC	4.9±0.03	5.05±0.05	3.7±0.05	4.5±0.1	1.9±0.03	5.05 ^{+0.15} _{-0.05}	10±0.05	7±0.1	3.5±0.03	3.65±0.05	0.75±0.1	0.3±0.1 X 45°±5°	1.25 MIN	0.1 MIN
DIE CAST ALUMINUM					1.7±0.03				3.2±0.03					
DELTRIN	4.6±0.015													

- DELTRIN DIMENSIONS SPECIFIED, OTHER PLASTICS MAY REQUIRE DIFFERENT MOUNTING OPTIONS.
CONTACT REEL FOR OTHER MOUNTING OPTIONS.

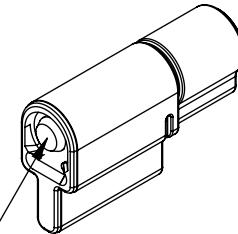


HINGE PRESS

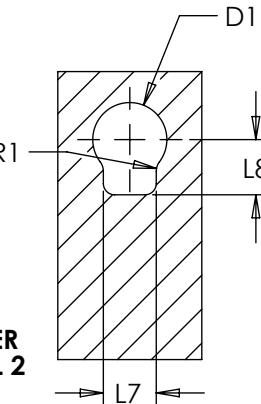
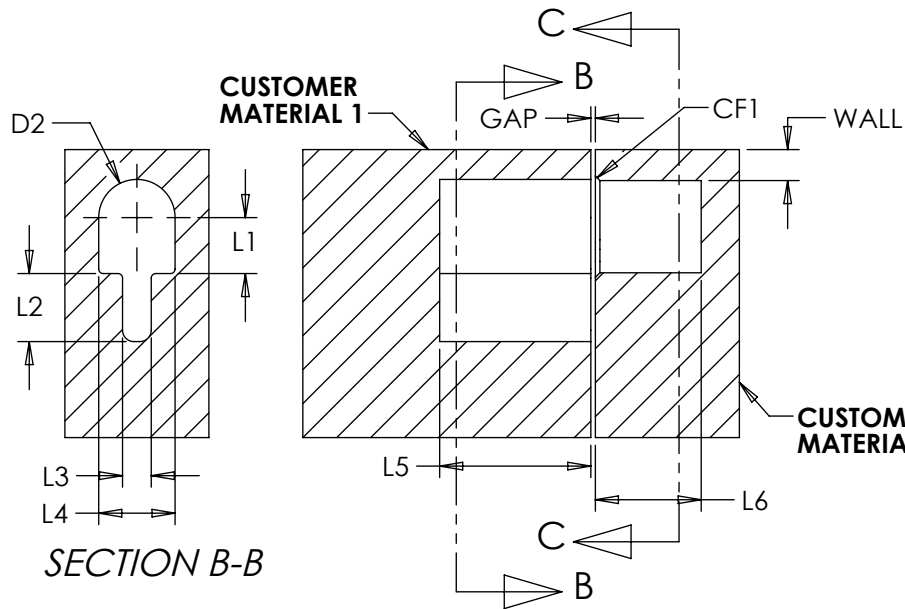


TO INSERT HINGE, PRESS ON SURFACE INDICATED

SHAFT END PRESS



FRONT OF SHAFT MUST BE SUPPORTED DURING INSTALLATION



SECTION C-C

CUSTOMER MATERIAL 1 AND CUSTOMER MATERIAL 2 ALIGNMENT TO BE WITHIN 0.10mm IN ANY DIRECTION TO ENSURE PRODUCT PERFORMANCE.

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REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA				REV:
SCALE: 2:1 DO NOT SCALE DRAWING				N
SHEET 4 OF 4				