CATALOG CODE
TI-C5M-X.XX-XX

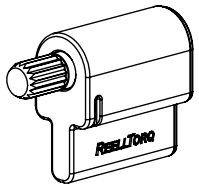
TORQUE Nm
- 0.15
- 0.25
- 0.30

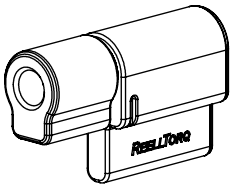
SHAFT-END TYPE
-01 - KNURLED SHAFT
-02 - SINGLE FIN

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.

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%





SPECIFICATION SUBJECT TO CHANGE

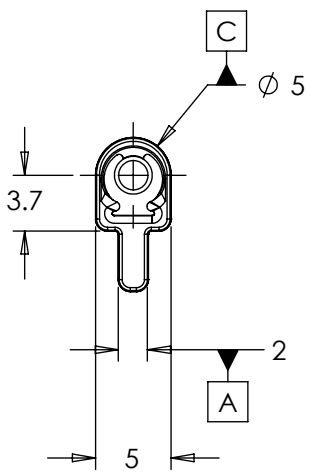
REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

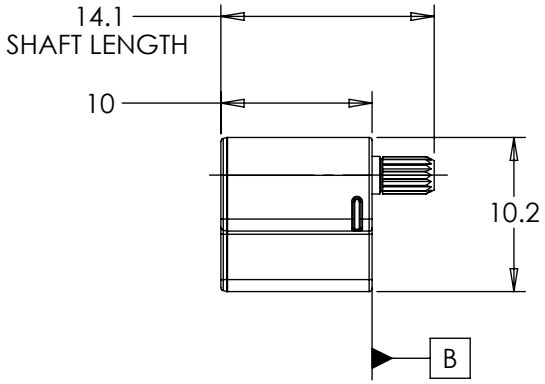
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.

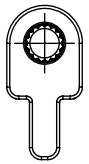
INTERPRET PRINT PER ASME Y14.5M-2009

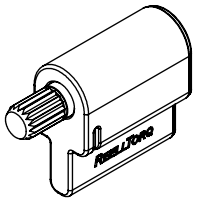
ECO NO: 04198	PART LIFECYCLE: RELEASED
APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
APPROVED DATE: 08APR22	DESCRIPTION: SALES DRAWING
PROJECT NO: 0	
ENGINEER: BILL WARREN	
DRAWN BY: CURT POTTER	
THIRD ANGLE PROJECTION	PART NO: TI-C5M REV: P
DIMENSIONS: mm	SCALE: 2:1 DO NOT SCALE DRAWING SHEET 1 OF 4

TI-C5M-X.XX-01

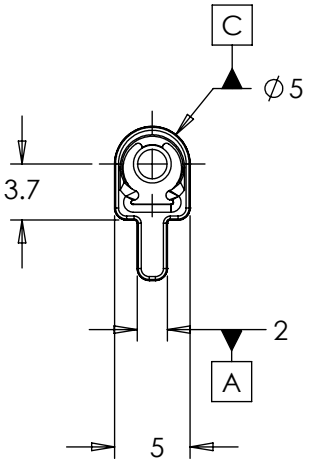


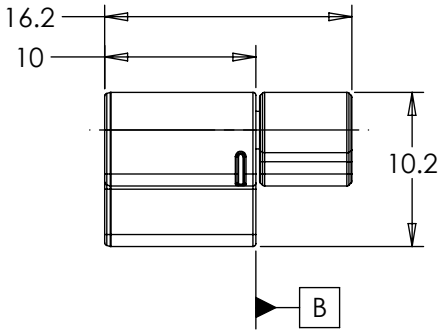


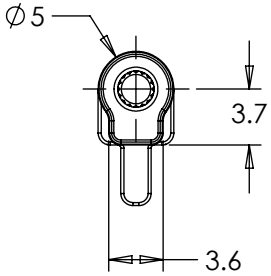


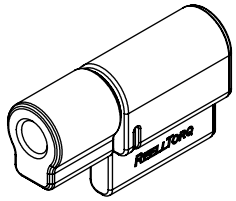


TI-C5M-X.XX-02









ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

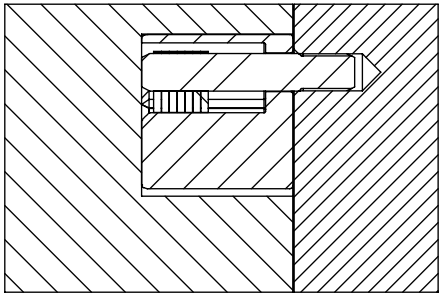
SPECIFICATION SUBJECT TO CHANGE

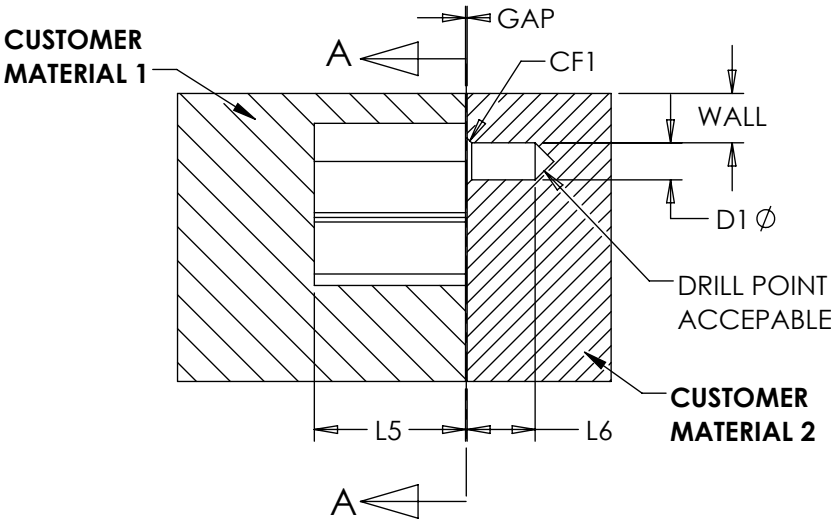
REELL	ECO NO: 04198	PART LIFECYCLE: RELEASED
	APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 08APR22	DESCRIPTION: SALES DRAWING
	PROJECT NO: 0	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: BILL WARREN	
	DRAWN BY: CURT POTTER	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION	PART NO: TI-C5M REV: P
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	SCALE: 2:1 DO NOT SCALE DRAWING SHEET 2 OF 4

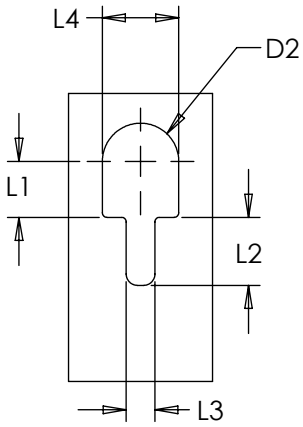
TI-C5M-X.XX-01 CUSTOMER INSTALLATION GEOMETRY

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
DIE CAST ALUMINUM											
MILD STEEL	2.4 ±0.015										
WROUGHT ALUMINUM											

- 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.





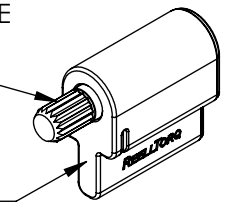


SECTION A-A

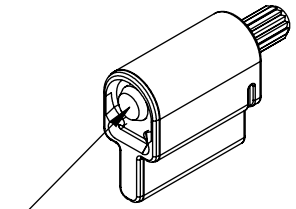
HOUSING PRESS

PRESS TOOLING SHOULD BE CLEARANCED TO AVOID CONTACT WITH SHAFT

TO INSERT HOUSING, PRESS ON SURFACE INDICATED



KNURLED SHAFT PRESS



FRONT OF SHAFT MUST BE SUPPORTED DURING INSTALLATION

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

SPECIFICATION SUBJECT TO CHANGE

REELL

REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

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INTERPRET PRINT PER ASME Y14.5M-2009

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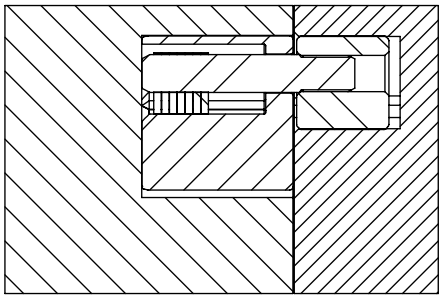
APPROVED DATE: 08APR22	DESCRIPTION: SALES DRAWING
PROJECT NO: 0	
ENGINEER: BILL WARREN	
DRAWN BY: CURT POTTER	
THIRD ANGLE PROJECTION	PART NO: TI-C5M REV: P
DIMENSIONS: mm	SCALE: 2:1 DO NOT SCALE DRAWING SHEET 3 OF 4

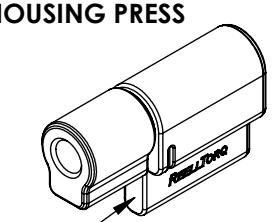
TI-C5M-X.XX-02 CUSTOMER INSTALLATION GEOMETRY

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														
DELRIN	4.6 ±0.015				1.7±0.03				3.2±0.03	3.5±0.05	0.6±0.1			

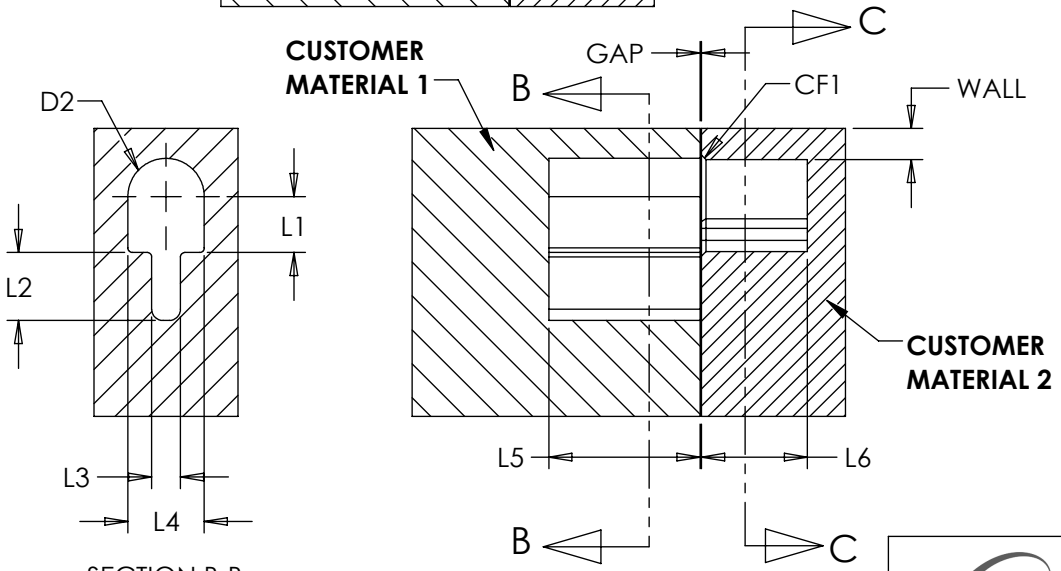
- DELRIN DIMENSIONS SPECIFIED, OTHER PLASTICS MAY REQUIRE DIFFERENT MOUNTING OPTIONS. CONTACT REELL FOR OTHER MOUNTING OPTIONS.



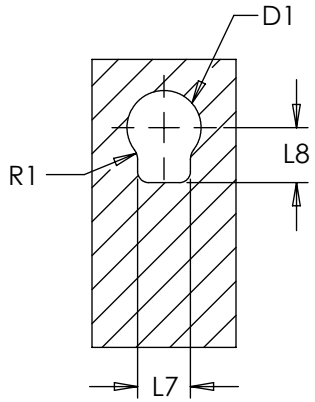
HOUSING PRESS



TO INSERT HOUSING, PRESS ON SURFACE INDICATED

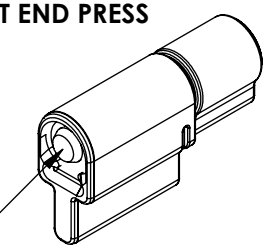


SECTION B-B



SECTION C-C

SHAFT END PRESS



FRONT OF SHAFT MUST BE SUPPORTED DURING INSTALLATION

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

SPECIFICATION SUBJECT TO CHANGE

REELL

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1259 WILLOW LAKE BOULEVARD
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PROJECT NO: 0	
ENGINEER: BILL WARREN	
DRAWN BY: CURT POTTER	
THIRD ANGLE PROJECTION	PART NO: TI-C5M REV: P
DIMENSIONS: mm	SCALE: 2:1 DO NOT SCALE DRAWING SHEET 4 OF 4