NOTES:

1. APPLICATION CONDITIONS REFERENCE (USER MUST DETERMINE FITNESS FOR USE IN APPLICATION).
   ENVIRONMENT CONDITIONS: -20° TO +80°C UP TO 10% OF LIFE CYCLES AT HOT AND COLD CONDITIONS.
2. LIFE: 25,000 CYCLES.
   ONE CYCLE = 120° OPEN/120° CLOSED.
   FIVE(5) CYCLES PER MINUTE MAX.
3. MATERIAL:
   BRACKET AND SHAFT END ARE ENGINEERED PLASTIC
   SHAFT, TORQUE ELEMENT, AND ONE WAY BEARING ARE HARDENED STEEL
4. STATIC TORQUE IS NORMALLY WITHIN 10% OF DYNAMIC TORQUE.
5. TAB MAY BE MISALIGNED DUE TO SHIPPING. MISALIGNMENT IS EASILY FIXED BY ROTATING BRACKET IN THE TORQUE FREE DIRECTION.

CATALOG CODE
TI-160-X.XX-X-XX

TORQUE N-m	DIRECTION	FINS NO.
- 4.00 - 5.00 - 6.00	F - ONE WAY FORWARD R - ONE WAY REVERSE	-01

SPECIFICATION SUBJECT TO CHANGE

LEVEL	DESCRIPTION	DRAWN	DATE	APPROVED
DRAWN: CRD	DATE: 03FEB17	PART NO:		
CHECKED: CRD	DATE: 21JUN17			
APPROVED: CRD	DATE: 21JUN17	TITLE: SALES DRAWING		
REVISED: 12MAY20	DIMS: mm			

INTERPRET PRINT PER ASME Y14.5M-1994

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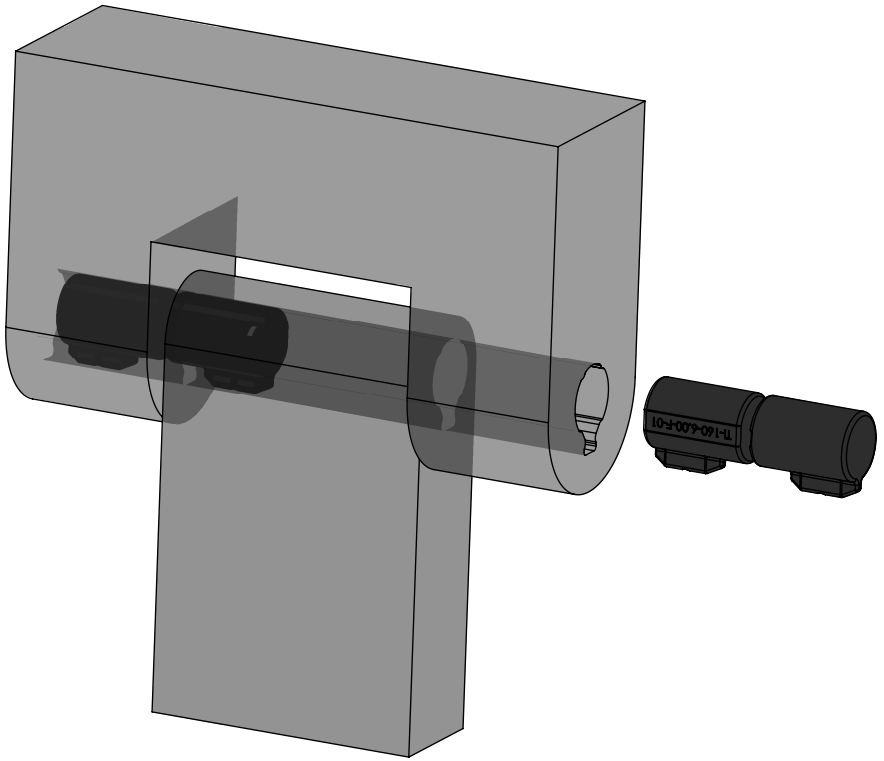
THIRD ANGLE PROJECTION

REELL

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

DESCRIPTION:	REV:
TI-160	D
SCALE: 1:1 — DO NOT SCALE DRAWING	SHEET 1 OF 5

CATALOG CODE	DIRECTION	DYNAMIC TORQUE Nm	
		FORWARD	REVERSE
TI-160-4.00-F-01	ONE-WAY FORWARD	4 ± 1.2	1.8 MAX
TI-160-5.00-F-01	ONE-WAY FORWARD	5 ± 1.3	1.8 MAX
TI-160-6.00-F-01	ONE-WAY FORWARD	6 ± 1.2	1.8 MAX
TI-160-4.00-R-01	ONE-WAY REVERSE	1.8 MAX	4 ± 1.2
TI-160-5.00-R-01	ONE-WAY REVERSE	1.8 MAX	5 ± 1.3
TI-160-6.00-R-01	ONE-WAY REVERSE	1.8 MAX	6 ± 1.2



LEVEL	DESCRIPTION	DRAWN	DATE	APPROVED
DRAWN: CRD	DATE: 03FEB17	PART NO:		
CHECKED: CRD	DATE: 21JUN17			
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DESCRIPTION:	REV:
TI-160	D

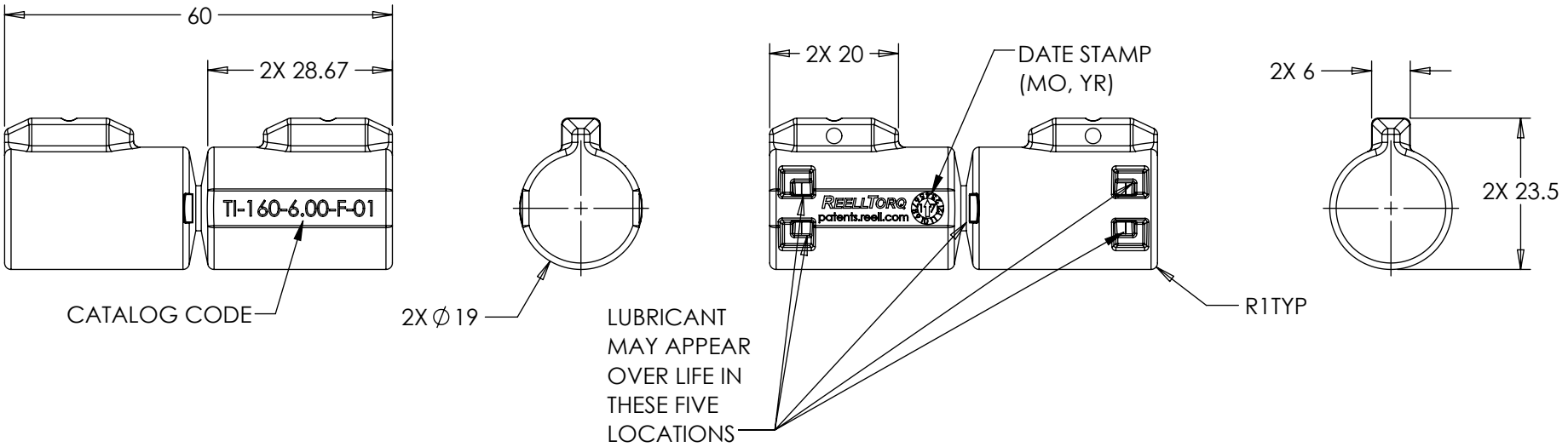
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 2 OF 5

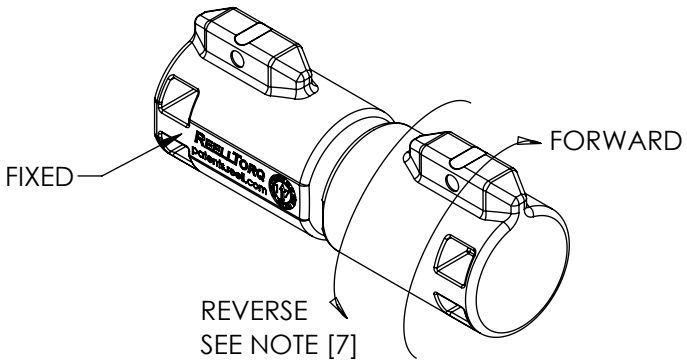
SPECIFICATION SUBJECT TO CHANGE

NOTES:

6. DIMENSIONAL TOLERANCES ARE BUILT INTO THE MOUNTING RECOMMENDATION SECTION. THEREFORE DIMENSIONS ON THIS PAGE ARE TO BE CONSIDERED REFERENCE.

[7] ARROW INDICATES HIGH TORQUE DIRECTION FOR SPECIFIED CONFIGURATION.





ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

LEVEL	DESCRIPTION		DRAWN	DATE	APPROVED
DRAWN: CRD	DATE: 03FEB17	PART NO:			
CHECKED: CRD	DATE: 21JUN17				
APPROVED: CRD	DATE: 21JUN17	TITLE: SALES DRAWING			
REVISED: 12MAY20	DIMS: mm				

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THIRD ANGLE PROJECTION

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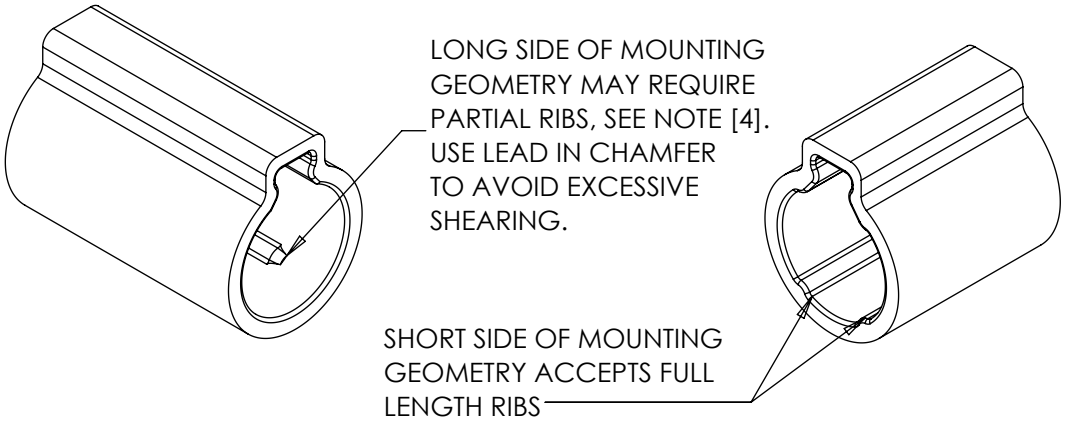
DESCRIPTION:	REV:
TI-160	D
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 3 OF 5

SPECIFICATION SUBJECT TO CHANGE

MOUNTING RECOMMENDATION



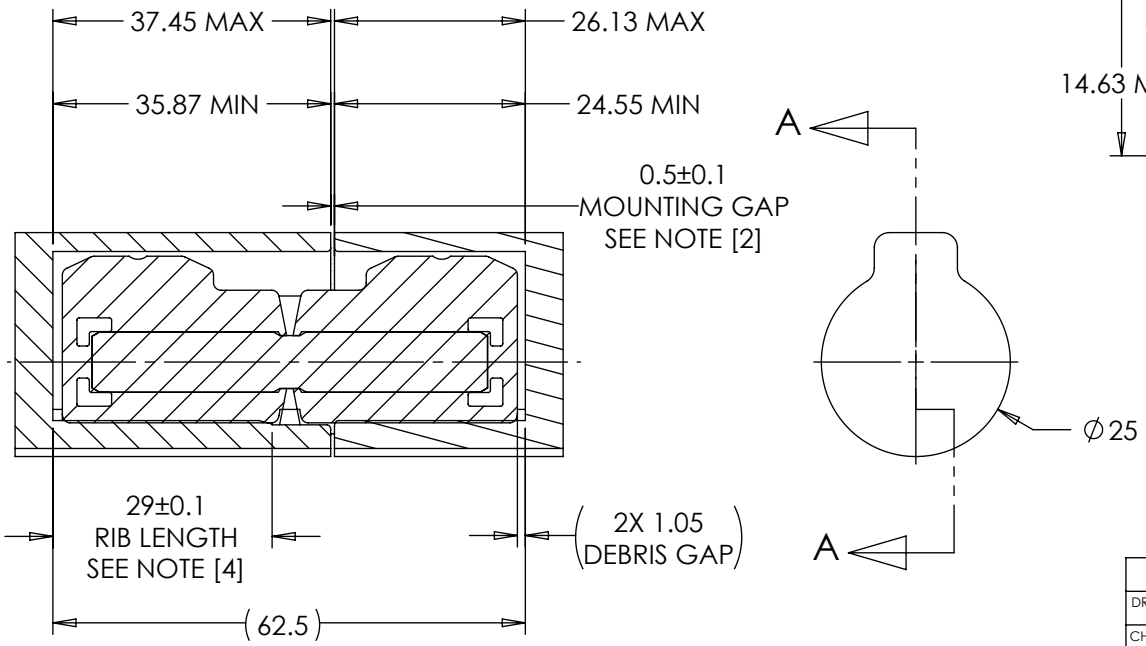
NOTES:

[1] DOUBLE THE NEGATIVE TOLERANCE WHEN PRESSING INTO PLASTIC.

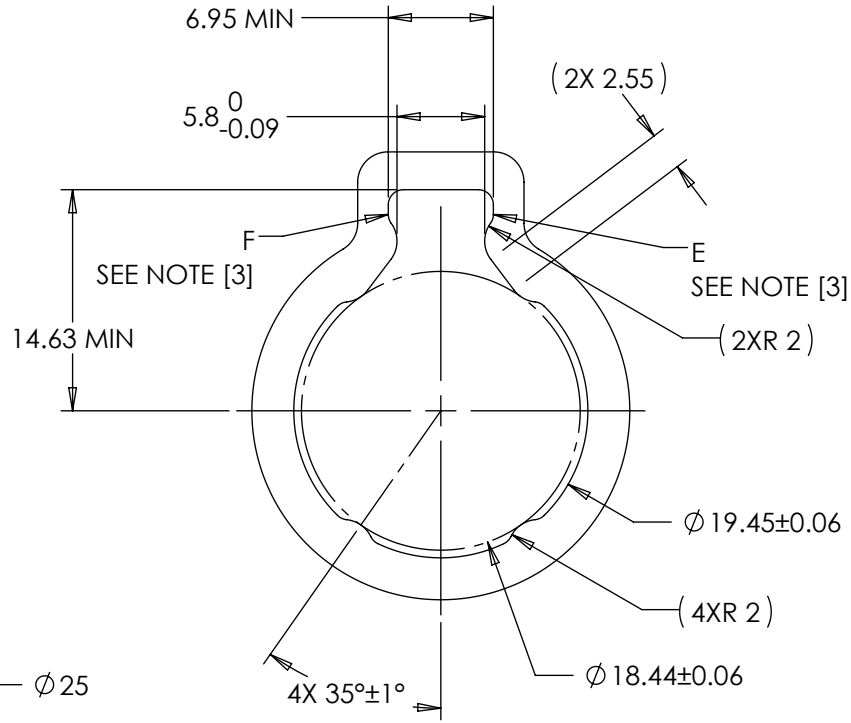
[2] LOCATE MOUNTING GAP OVER HINGE BODY FOR ADDITIONAL SUPPORT.

[3] GEOMETRY BETWEEN POINTS E & F CCW MAY VARY IF DESIRED (CUTTER RELIEF).

[4] LONG SIDE OF MOUNTING GEOMETRIES REQUIRE PARTIAL RIBS FOR METAL PARTS WITH ≤1.0° OF DRAFT, AND ≤1.8° FOR PLASTIC PARTS.



SECTION A-A



SPECIFICATION SUBJECT TO CHANGE

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DESCRIPTION:	REV:
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SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 4 OF 5

MOUNTING RECOMMENDATION WITH DRAFT

NOTES:

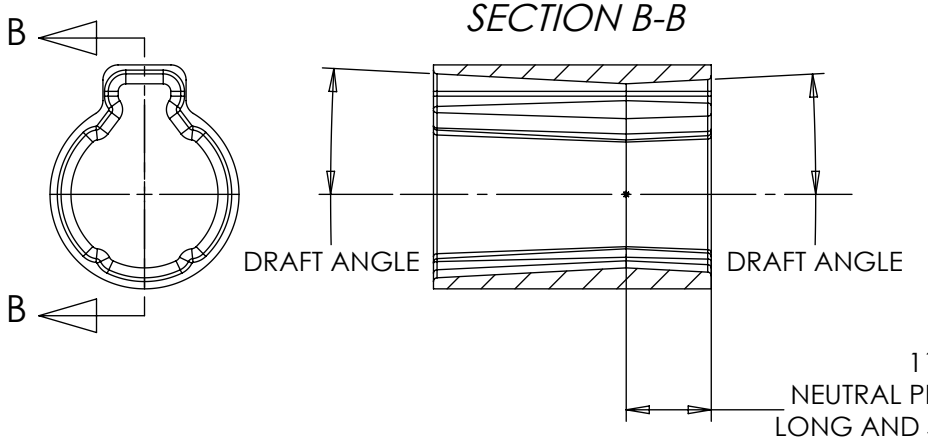
[1] WHEN DRAFTING BETWEEN 1° AND 2°: ADD 0.1 mm OF INTERFERENCE OVER THE TAB, FROM 5.8 NOM. TO 5.7 NOM., TO GUARANTEE CONTACT OVER FULL LENGTH OF THE TAB.

[2] NEUTRAL PLANE INDICATES THE PLANE OF NOMINAL INTERFERENCE RECOMMENDED ON PREVIOUS PAGE.

3. LARGE DRAFT ANGLES WILL REDUCE RADIAL LOAD SUPPORT.

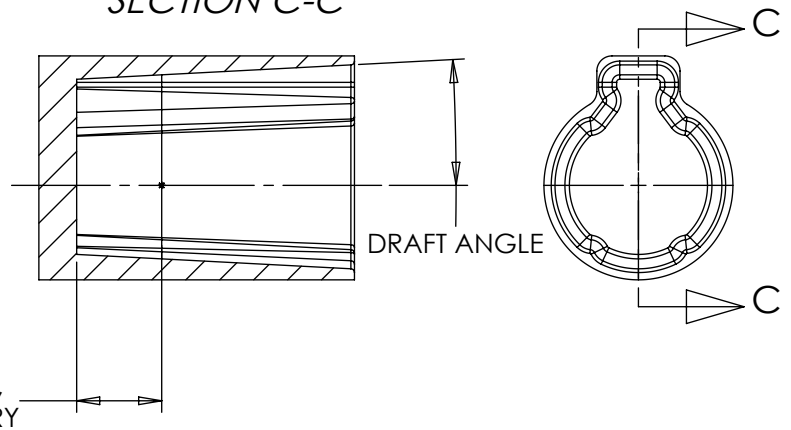
DOUBLE PULL DRAFTS

SECTION B-B



SINGLE PULL DRAFTS

SECTION C-C



11.25±0.1
NEUTRAL PLANE FROM END,
LONG AND SHORT GEOMETRY
SEE NOTES [1] & [2]

LEVEL	DESCRIPTION		DRAWN	DATE	APPROVED
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THIRD ANGLE PROJECTION

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DESCRIPTION:	REV:
TI-160	D
SCALE: 1:1 — DO NOT SCALE DRAWING	SHEET 5 OF 5

SPECIFICATION SUBJECT TO CHANGE