

CATALOG CODE RT-070-XX-XX

TORQUE IN-LBS	
03	
04	
05	
06	
07	
08	

SHAFT END TYPE	
01- FLAG	
02- STRAIGHT	
03- KNURLED SHAFT END	

DYNAMIC TORQUE	
NOMINAL TORQUE (IN-LBS)	TOLERANCE
03	±20%
04	±20%
05	±20%
06	±20%
07	±20%
08	±20%

PRODUCT TORQUE SPECIFICATION AT +20°C.

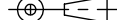


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THIRD ANGLE PROJECTION

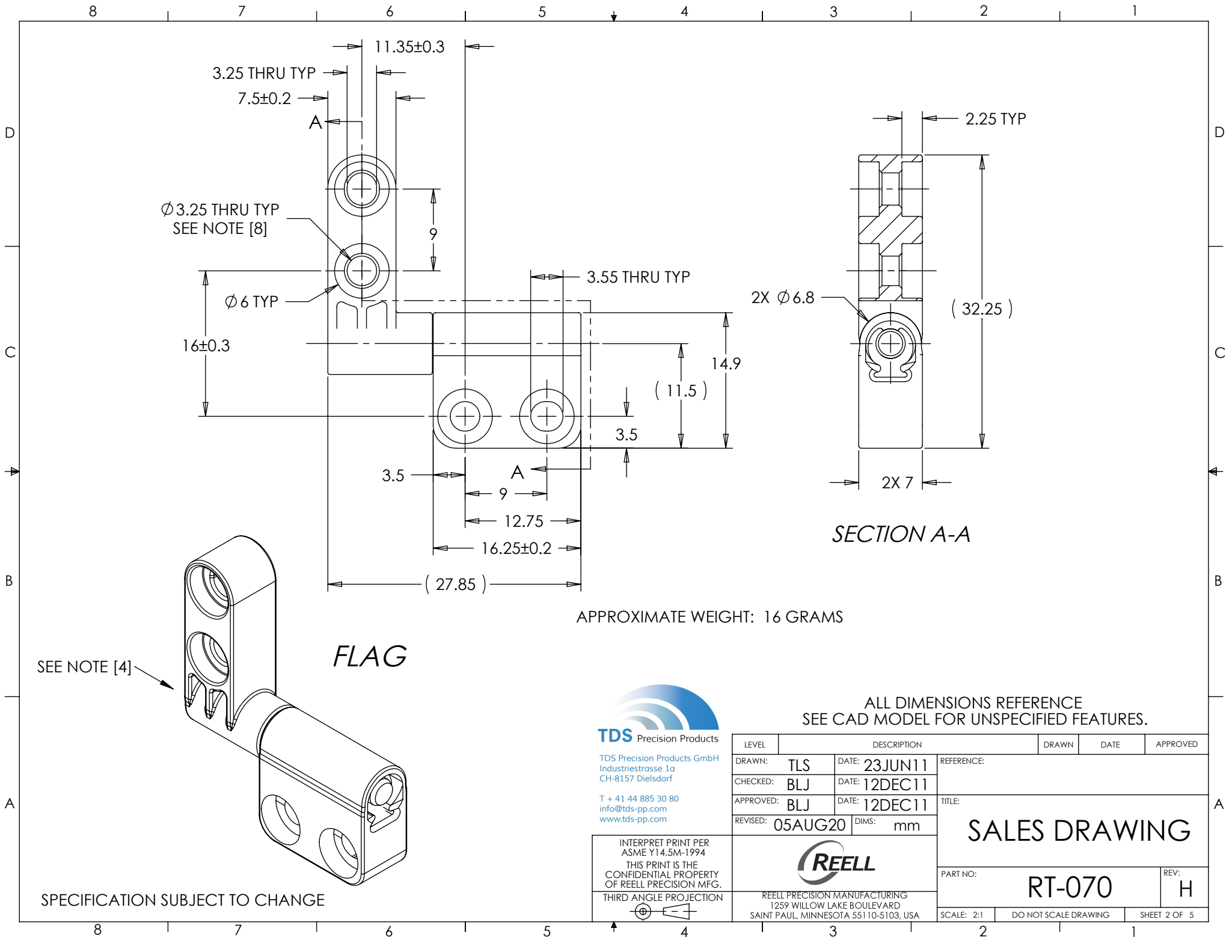


LEVEL	DESCRIPTION		DRAWN	DATE	APPROVED
DRAWN:	TLS	DATE: 23JUN11	REFERENCE:		
CHECKED:	BLJ	DATE: 12DEC11	TITLE:		
APPROVED:	BLJ	DATE: 12DEC11	SALES DRAWING		
REVISED:	05AUG20	DIMS: mm			
REELL			PART NO:		REV:
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA			RT-070		H
SCALE: 1:2		DO NOT SCALE DRAWING		SHEET 1 OF 5	

NOTES:

1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. ENVIRONMENTAL CONDITIONS: -20° TO +80°C. UP TO 10% OF LIFE CYCLES AT HOT AND COLD CONDITIONS.
3. LIFE: 50,000 CYCLES.
ONE CYCLE CONSISTS OF 90° CW AND 90° CCW AT 10% DUTY CYCLE FOR SPEEDS LESS THAN 100RPM.
- [4] HINGE DESIGNED TO SUPPORT A MINIMAL AXIAL FORCE IN DIRECTION SHOWN, NOT DESIGNED TO SUPPORT AXIAL FORCE IN THE OPPOSITE DIRECTION.
5. MATERIALS:
ZINC DIE CAST HOUSINGS & FLAG SHAFT ENDS
STEEL STRAIGHT SHAFT ENDS
HARDENED STEEL SHAFT
HARDENED STEEL TORQUE CLIPS
MINERAL OIL BASED LUBRICANT
6. FINISH:
NON-COSMETIC PLAIN.
CLEAR CHROMATE RUST PREVENTATIVE COATING ON THE STRAIGHT SHAFT.
7. SHIP ANGLE 0° ± 5° BETWEEN HOUSINGS.
- [8] DESIGNED TO ACCEPT M3, #4 OR #5 SCREW OR EQUIVALENT. USE LOW HEAD VERSION IF HEAD MUST BE SUBFLUSH.

SPECIFICATION SUBJECT TO CHANGE



Ø 3.25 THRU TYP
SEE NOTE [8]

Ø 6 TYP

16±0.3

3.5

9

12.75

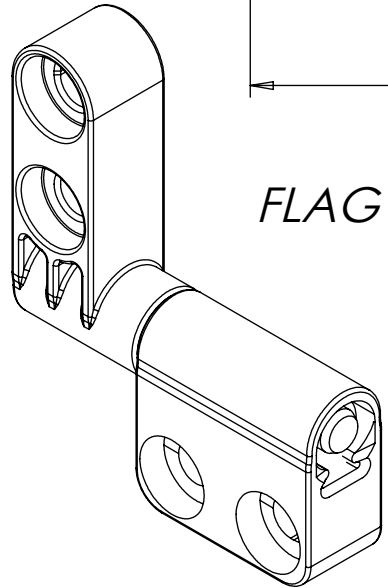
16.25±0.2

(27.85)

APPROXIMATE WEIGHT: 16 GRAMS

FLAG

SEE NOTE [4]



SPECIFICATION SUBJECT TO CHANGE

SECTION A-A

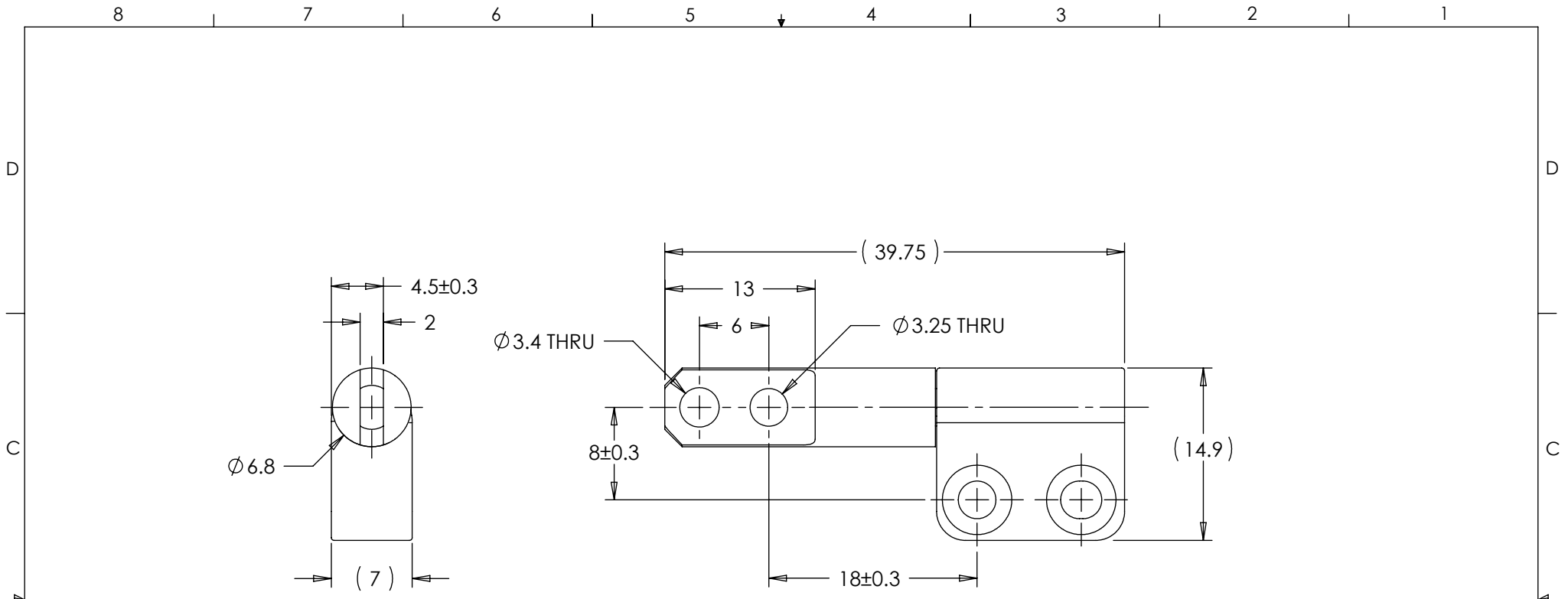


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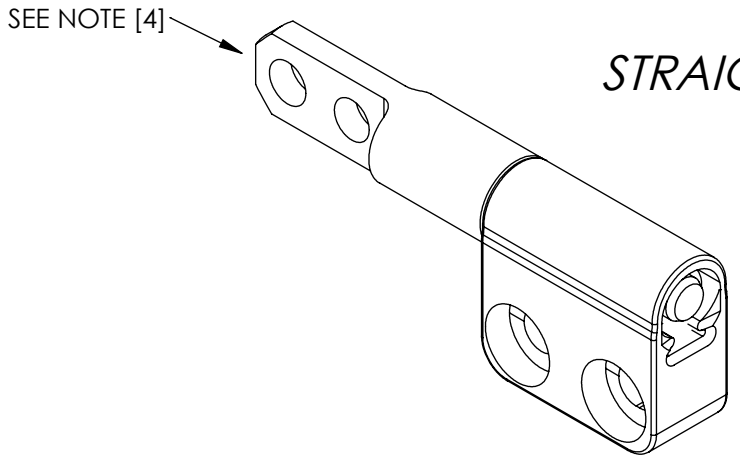
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THIRD ANGLE PROJECTION

ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

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			RT-070		H
SCALE: 2:1		DO NOT SCALE DRAWING		SHEET 2 OF 5	



APPROXIMATE WEIGHT: 12 GRAMS



STRAIGHT

SEE SINGLE FLAG ASSEMBLY DRAWING FOR UNSPECIFIED BRACKET DIMENSIONS

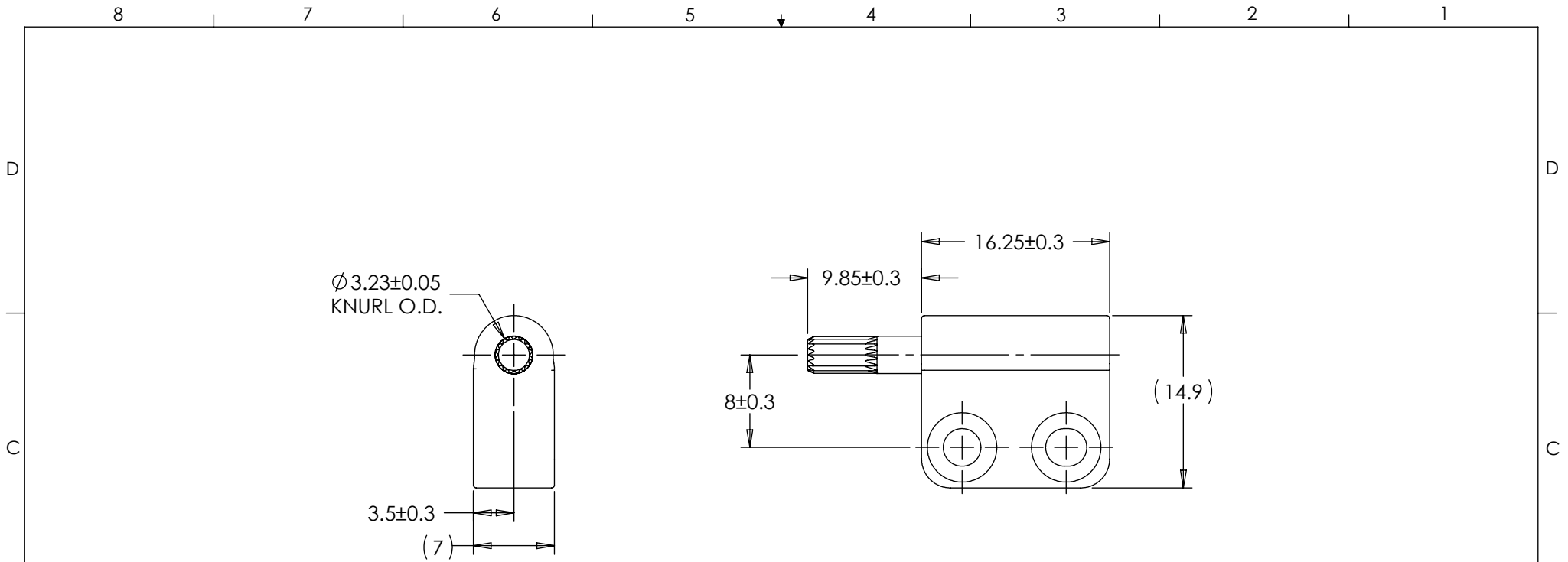
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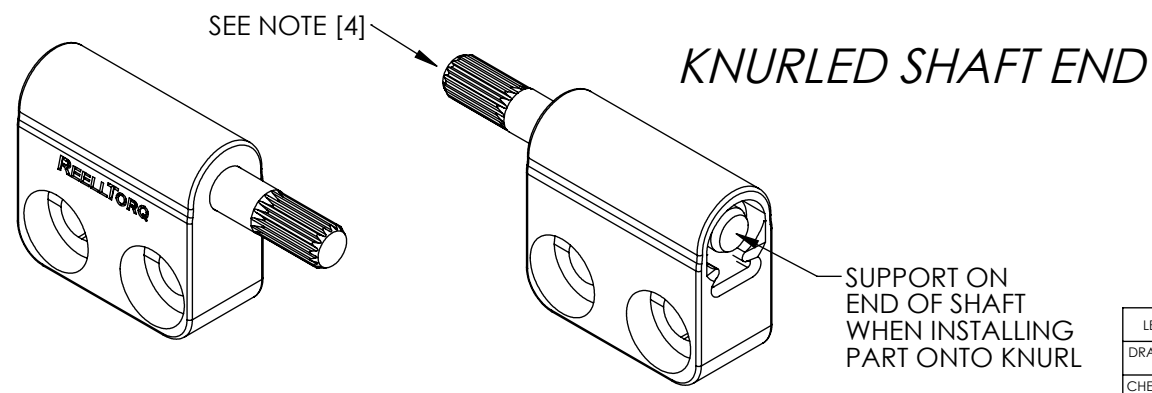
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APPROXIMATE WEIGHT: 9 GRAMS



ALL DIMENSIONS REFERENCE
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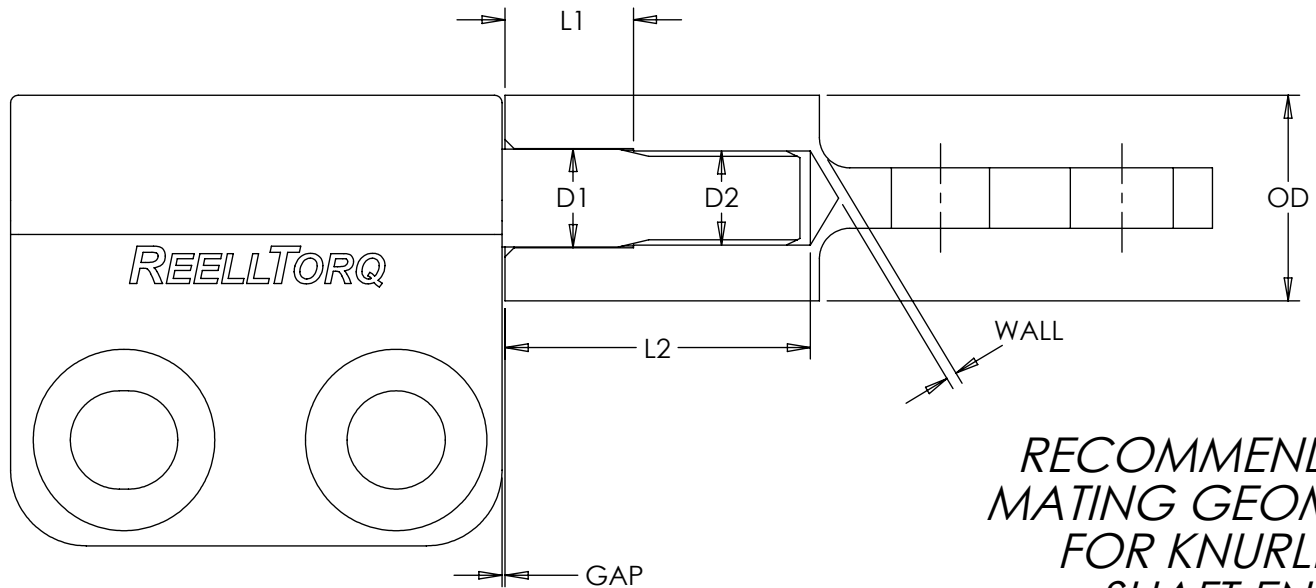
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SEE SINGLE FLAG ASSEMBLY DRAWING
FOR UNSPECIFIED BRACKET DIMENSIONS
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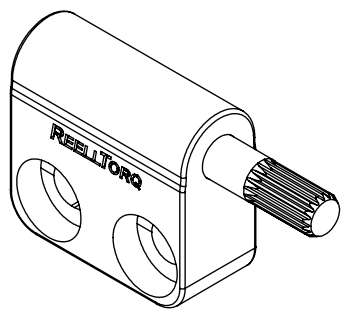
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REELL
REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

MATERIAL	D1	D2	L1	L2	OD	WALL	GAP
DIE CAST ZINC	3.18±0.03	3.03±0.03	4.25±0.15	10.1 MIN	6 MIN	1 MIN	0.1 NOMINAL
DIE CAST ALUMINUM							
MILD STEEL	3.28±0.05	3.115±0.015					
WROUGHT ALUMINUM							



**RECOMMENDED
MATING GEOMETRY
FOR KNURLED
SHAFT END**



SCALE 4 : 1

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