

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%

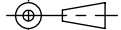
PRODUCT TORQUE SPECIFICATION AT +20°C.


SPECIFICATION SUBJECT TO CHANGE

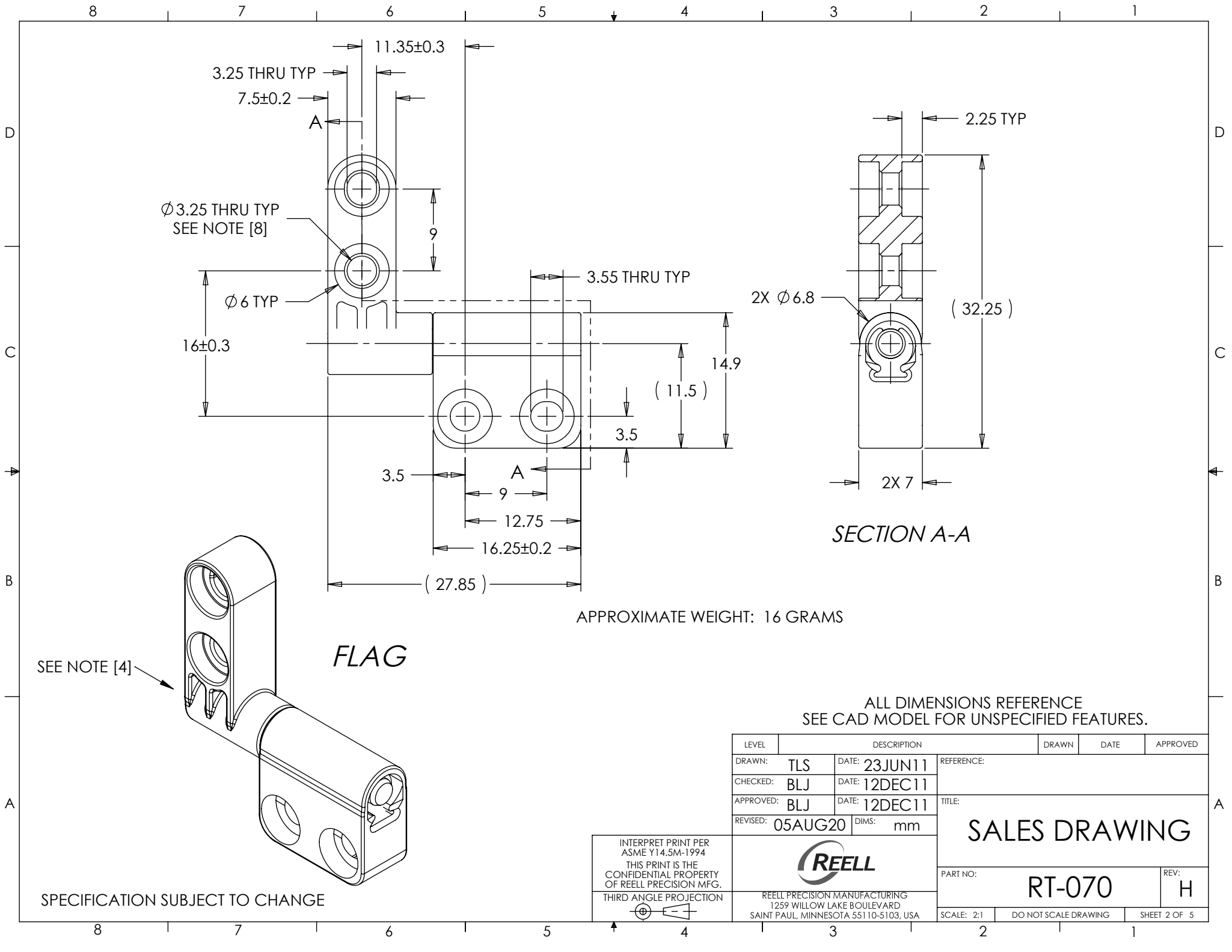
NOTES:

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.

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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	
REVISED:	05AUG20	DIMS:	mm	SALES DRAWING
				
				RT-070
				H
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA		SCALE: 1:2	DO NOT SCALE DRAWING	SHEET 1 OF 5



Ø 3.25 THRU TYP
SEE NOTE [8]

16±0.3

Ø 6 TYP

3.5

9

12.75

16.25±0.2


(27.85)

APPROXIMATE WEIGHT: 16 GRAMS


FLAG

SEE NOTE [4]

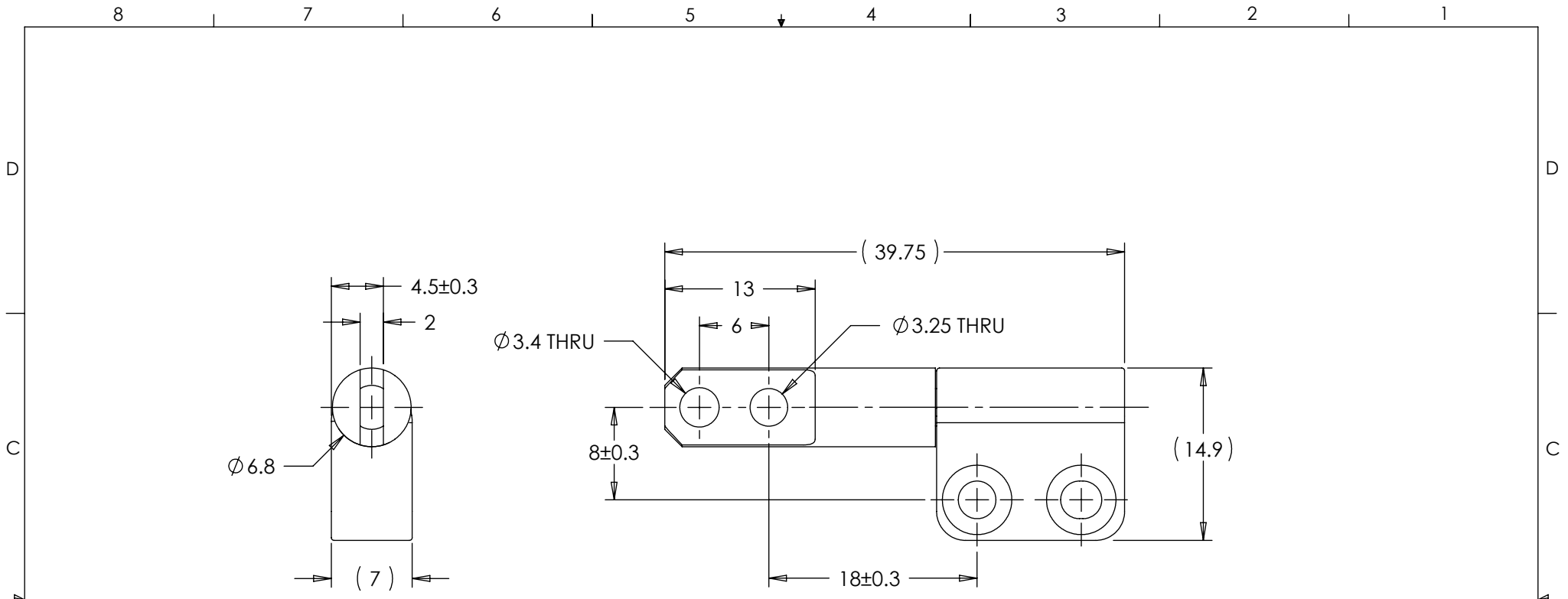
ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

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 PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA			PART NO:		REV:
			RT-070		H
SCALE: 2:1		DO NOT SCALE DRAWING		SHEET 2 OF 5	

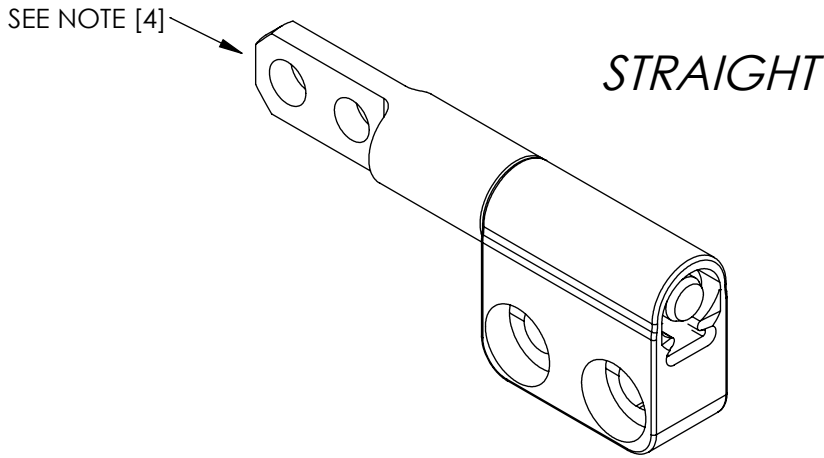
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APPROXIMATE WEIGHT: 12 GRAMS



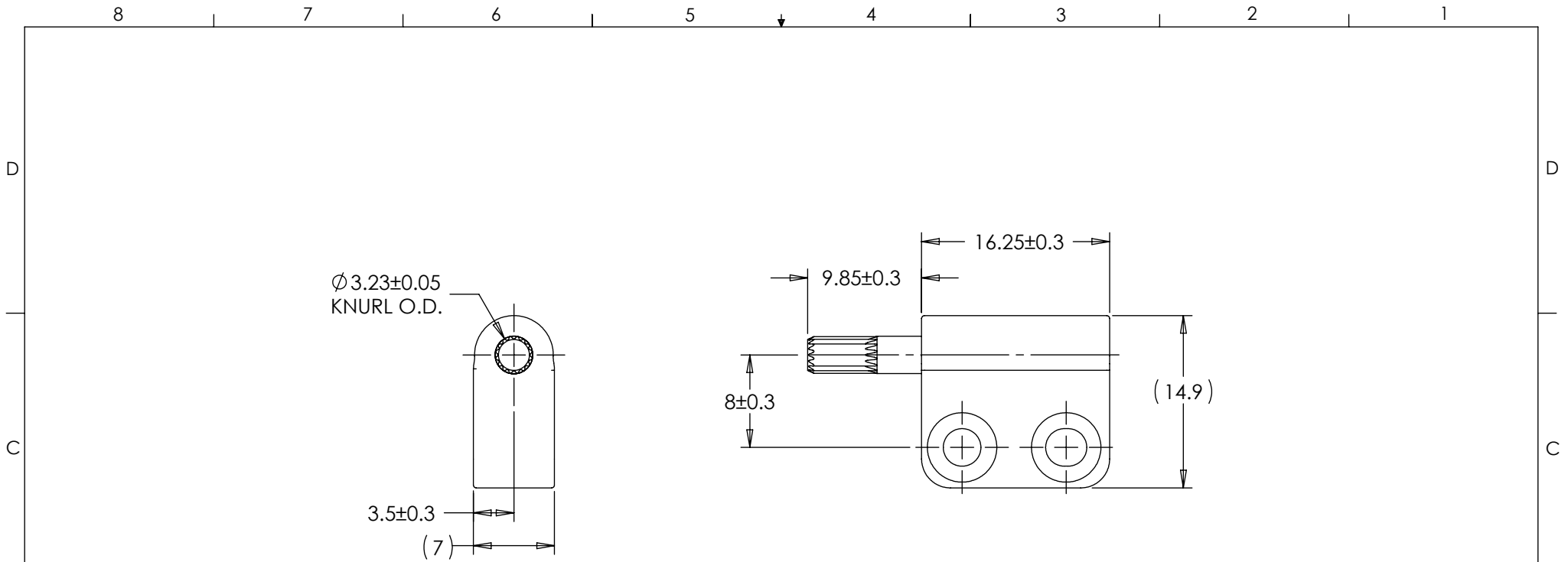
ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

SEE SINGLE FLAG ASSEMBLY DRAWING
FOR UNSPECIFIED BRACKET DIMENSIONS

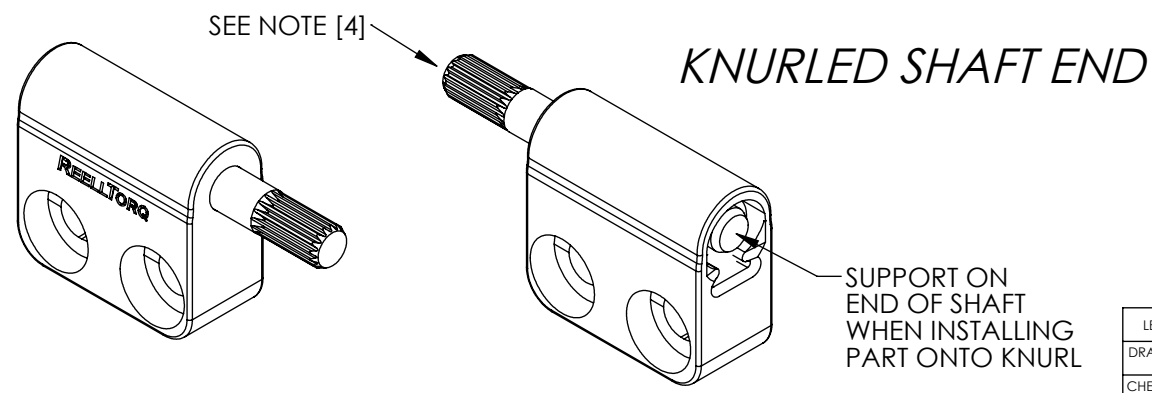
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APPROVED:	BLJ	DATE: 12DEC11	SALES DRAWING		
REVISED:	05AUG20	DIMS: mm			
 REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA			PART NO:		REV:
			RT-070		H
SCALE: 2:1		DO NOT SCALE DRAWING		SHEET 3 OF 5	



APPROXIMATE WEIGHT: 9 GRAMS



ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

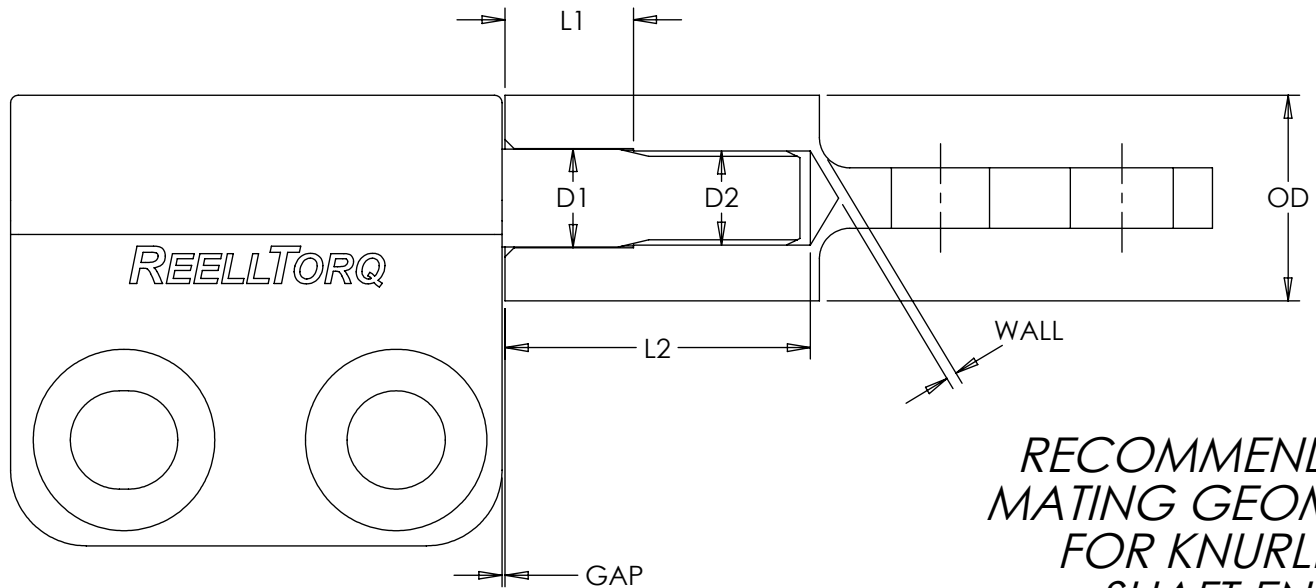
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CHECKED:	BLJ	DATE: 12DEC11	TITLE:		
APPROVED:	BLJ	DATE: 12DEC11	SALES DRAWING		
REVISED:	05AUG20	DIMS: mm			
			PART NO: RT-070		REV: H
			SCALE: 2:1		DO NOT SCALE DRAWING

SEE SINGLE FLAG ASSEMBLY DRAWING
FOR UNSPECIFIED BRACKET DIMENSIONS
SPECIFICATION SUBJECT TO CHANGE

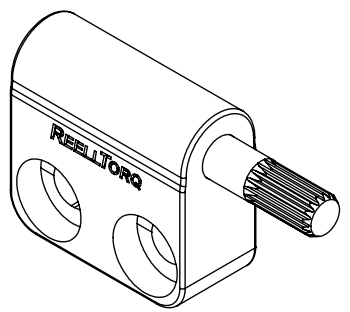
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REELL
REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

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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				SHEET 5 OF 5	