

CATALOG CODE RT-120-XX-XX

TORQUE IN-LBS
20
30
40
50

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

DYNAMIC TORQUE	
NOMINAL TORQUE (IN-LBS)	TOLERANCE
20	± 20%
30	± 20%
40	± 20%
50	± 20%

PRODUCT TORQUE SPECIFICATION AT +20°C.

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 M4 OR #8 SCREW OR EQUIVALENT.

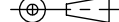



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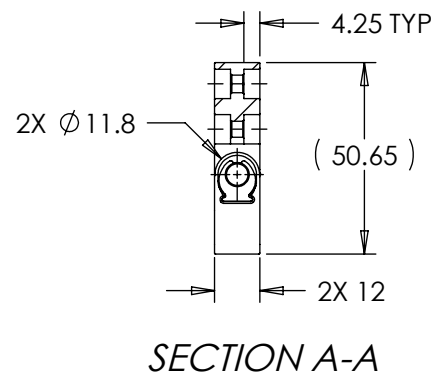
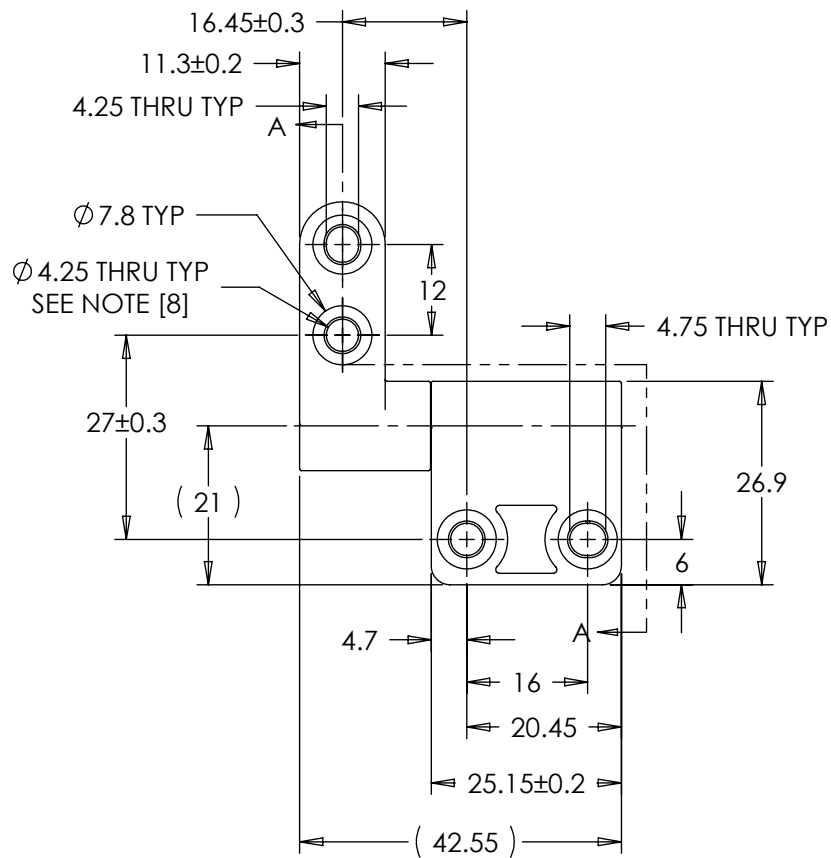
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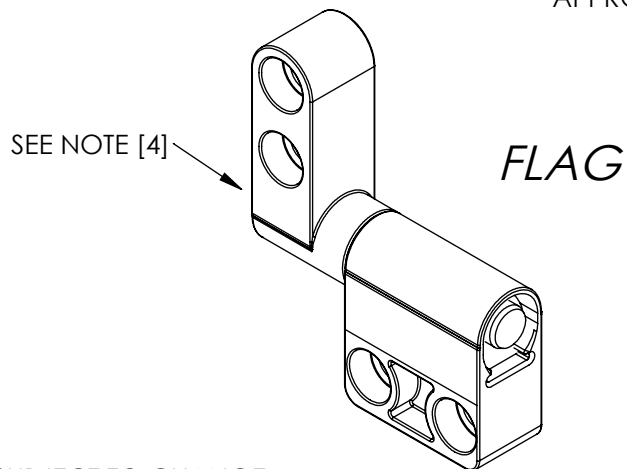
THIRD ANGLE PROJECTION



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CHECKED:	BLJ	DATE:	12DEC11	TITLE: SALES DRAWING
APPROVED:	BLJ	DATE:	12DEC11	
REVISED:	05AUG20	DIMS:	mm	
 REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA		PART NO:		REV:
		RT-120		H
SCALE: 1:2		DO NOT SCALE DRAWING		SHEET 1 OF 5



APPROXIMATE WEIGHT: 66 GRAMS



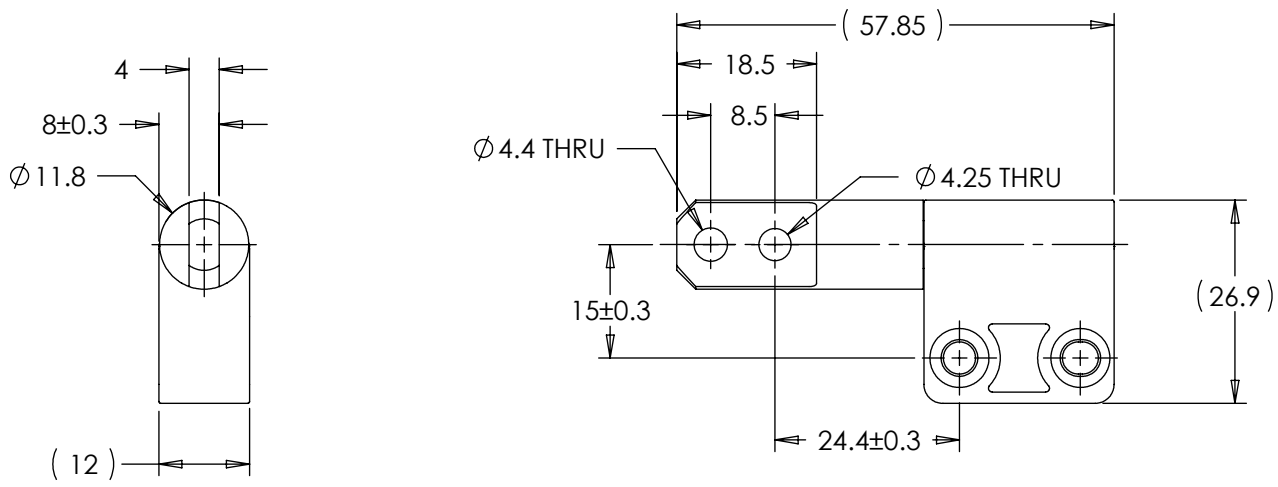
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ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

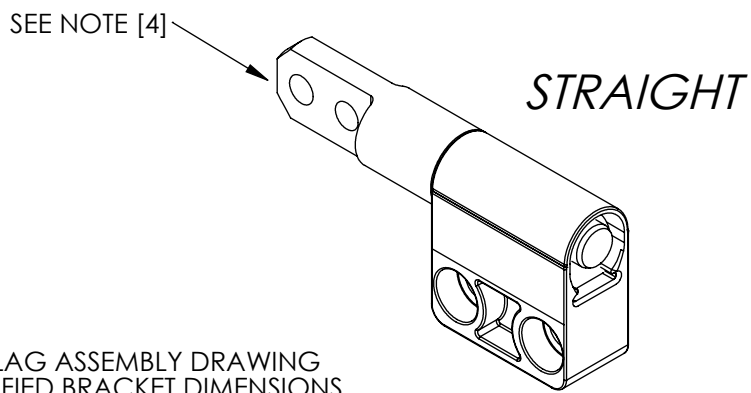
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APPROXIMATE WEIGHT: 59 GRAMS



SEE SINGLE FLAG ASSEMBLY DRAWING FOR UNSPECIFIED BRACKET DIMENSIONS

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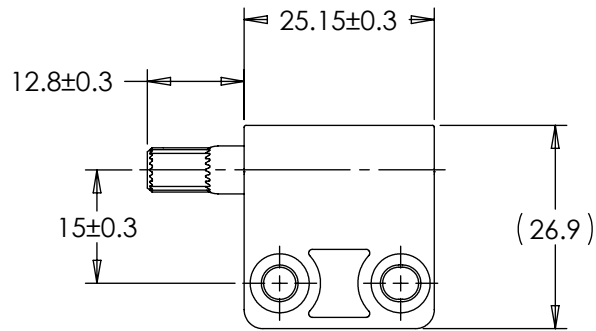
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SCALE: 1:1			DO NOT SCALE DRAWING		SHEET 3 OF 5

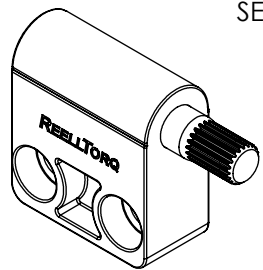
Ø 5.97±0.05
KNURL O.D.

6±0.3

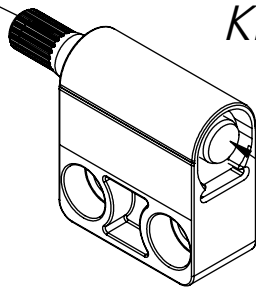
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APPROXIMATE WEIGHT: 43 GRAMS



SEE NOTE [4]



KNURLED SHAFT END

SUPPORT ON
END OF SHAFT
WHEN INSTALLING
PART ONTO KNURL

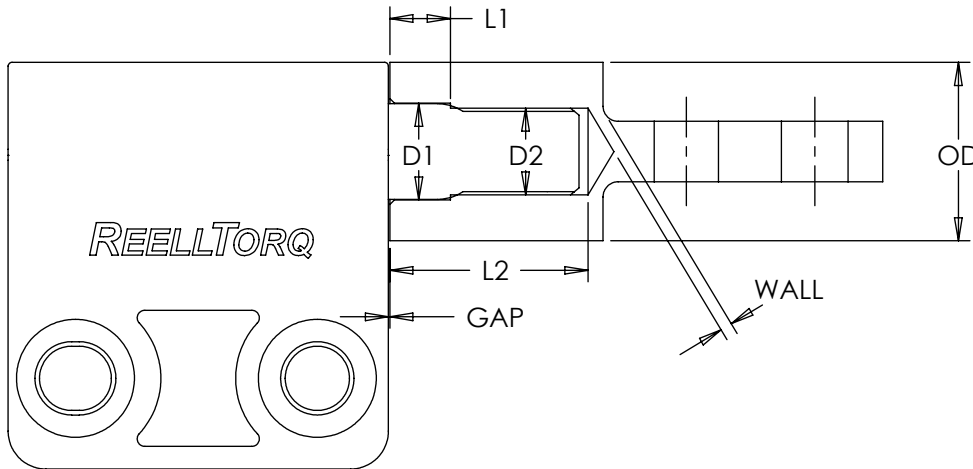
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FOR UNSPECIFIED BRACKET DIMENSIONS
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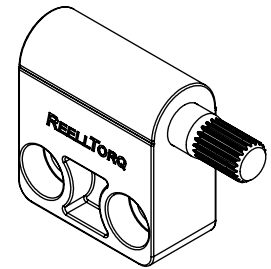
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MATERIAL	D1	D2	L1	L2	OD	WALL	GAP
DIE CAST ZINC	6.23±0.03	5.7±0.03	4.5±0.1	13.25 MIN	10 MIN	1 MIN	0.1 NOMINAL
DIE CAST ALUMINUM							
MILD STEEL	6.4±0.05	5.745±0.015					
WROUGHT ALUMINUM							



*RECOMMENDED
MATING GEOMETRY
FOR KNURLED
SHAFT END*

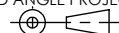



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