

CATALOG CODE RT-100-XX-XX

TORQUE IN-LBS
08
12
16
20

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

DYNAMIC TORQUE	
NOMINAL TORQUE (IN-LBS)	TOLERANCE
08	±20%
12	±20%
16	±20%
20	±20%

PRODUCT TORQUE SPECIFICATION AT +20°C.

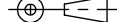
NOTES:

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.

SPECIFICATION SUBJECT TO CHANGE

INTERPRET PRINT PER
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THIRD ANGLE PROJECTION



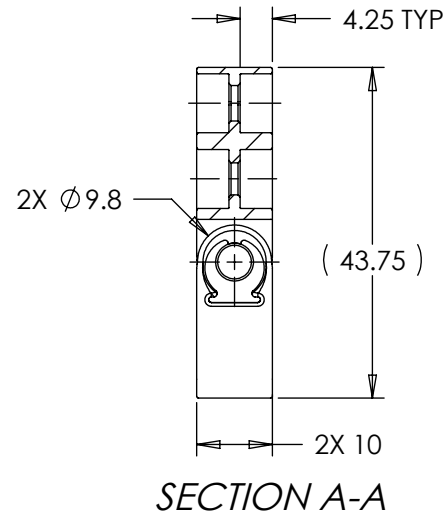
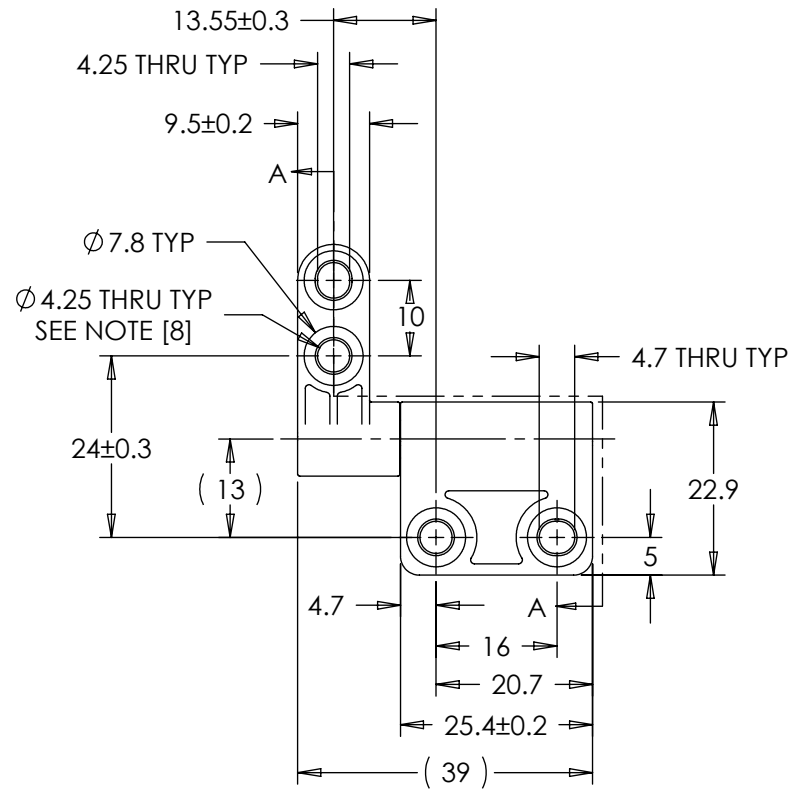
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CHECKED:	BLJ	DATE:	12DEC11	TITLE:
APPROVED:	BLJ	DATE:	12DEC11	
REVISED:	04AUG20	DIMS:	mm	SALES DRAWING
PART NO:			RT-100	REV:
			H	
SCALE: 1:2	DO NOT SCALE DRAWING		SHEET 1 OF 5	

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

8 7 6 5 4 3 2 1

D

D



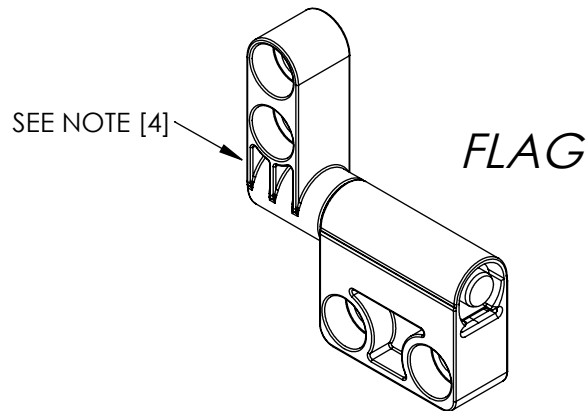
APPROXIMATE WEIGHT: 42 GRAMS

C

C

B

B



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:	04AUG20	DIMS: mm			
			PART NO:		REV:
			RT-100		H
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA			SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 2 OF 5

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 THIRD ANGLE PROJECTION

SPECIFICATION SUBJECT TO CHANGE

8 7 6 5 4 3 2 1

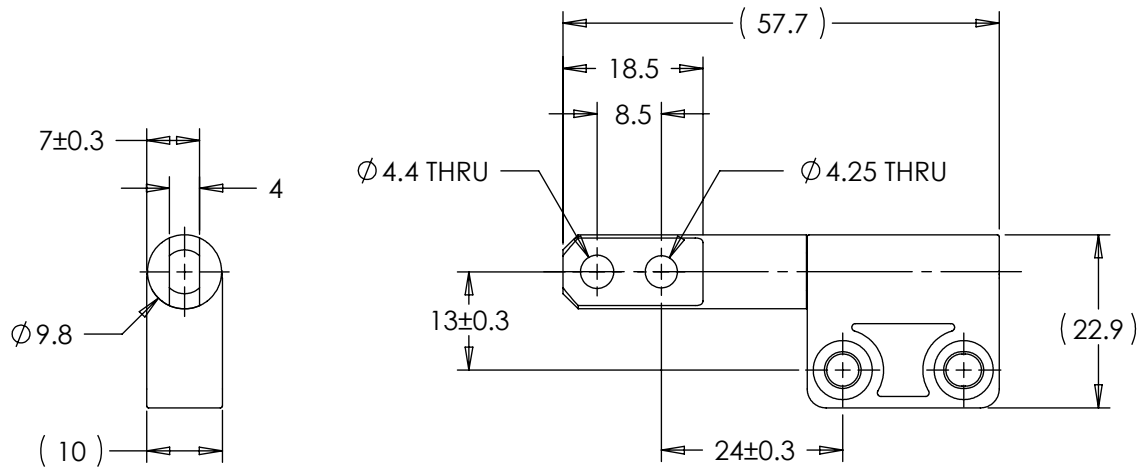
A

A

8 7 6 5 4 3 2 1

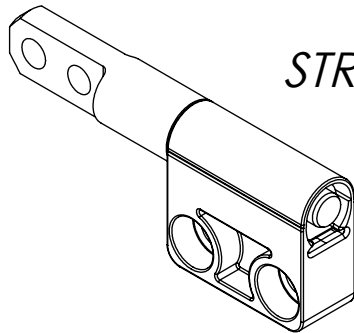
D
C
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D
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APPROXIMATE WEIGHT: 38 GRAMS

SEE NOTE [4]



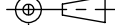
STRAIGHT

ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

SEE SINGLE FLAG ASSEMBLY DRAWING
FOR UNSPECIFIED BRACKET DIMENSIONS

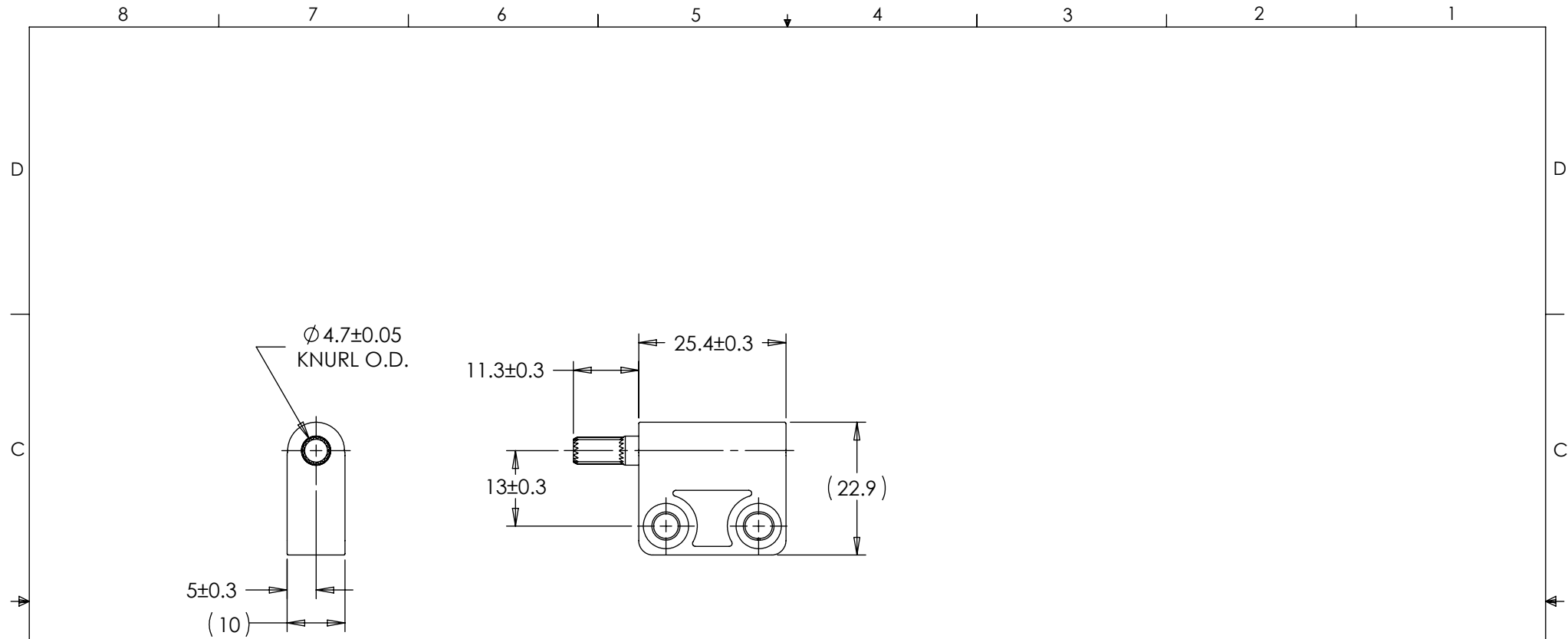
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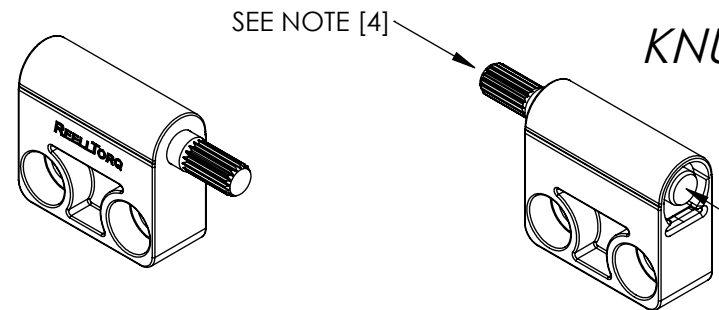


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CHECKED:	BLJ	DATE: 12DEC11	TITLE:		
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REVISED:	04AUG20	DIMS: mm	PART NO: RT-100		
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA		SCALE: 1:1		DO NOT SCALE DRAWING	REV: H
				SHEET 3 OF 5	

8 7 6 5 4 3 2 1



APPROXIMATE WEIGHT: 27 GRAMS



SEE NOTE [4]

KNURLED SHAFT END

SUPPORT ON
END OF SHAFT
WHEN INSTALLING
PART ONTO KNURL

ALL DIMENSIONS REFERENCE
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REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA			PART NO: RT-100		REV: H
SCALE: 1:1		DO NOT SCALE DRAWING		SHEET 4 OF 5	

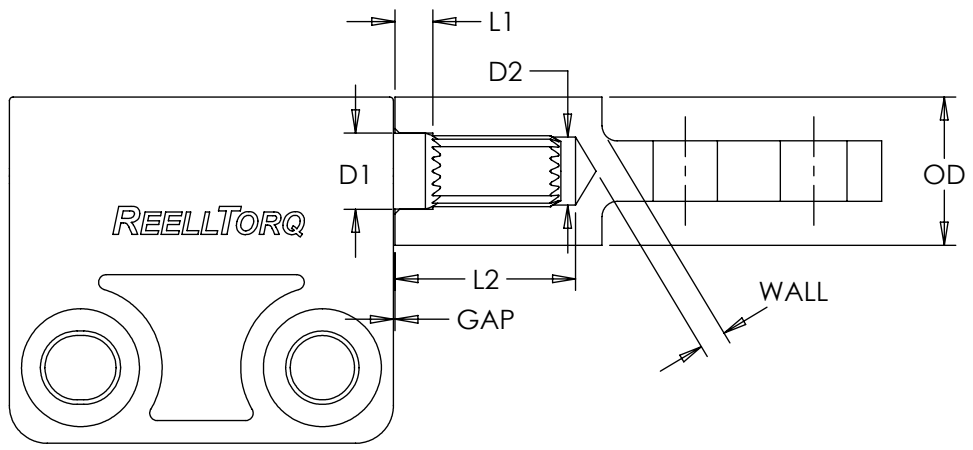
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B
A

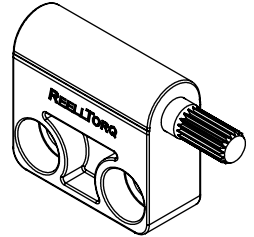
8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

MATERIAL	D1	D2	L1	L2	OD	WALL	GAP
DIE CAST ZINC	4.93±0.03	4.5±0.03	2.5±0.1	11.5 MIN	8 MIN	1 MIN	0.1 NOMINAL
DIE CAST ALUMINUM							
MILD STEEL	5.05±0.05	4.495±0.015					
WROUGHT ALUMINUM							



*RECOMMENDED
MATING GEOMETRY
FOR KNURLED
SHAFT END*



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