

# CATALOG CODE

## SJ - 300 - X.XX - XX - XX

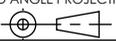
TORQUE Nm  
 1.0A - ASYMMETRIC  
 2.0A - ASYMMETRIC

SHAFT END  
 01 - EXTERNAL M6  
 02 - EXTERNAL 1/4-20

MOUNTING TYPE  
 01 - FRONT COUNTERBORE  
 02 - BACK HIDDEN

### NOTES:

1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. DYNAMIC TORQUE AND PART NUMBERS SEE PAGES 2 AND 3.
3. ENVIRONMENTAL CONDITIONS: -20° TO +80°C. UP TO 10% OF LIFE CYCLES AT HOT AND COLD CONDITIONS.
4. LIFE CYCLE: 50,000 TOTAL ADJUSTMENTS. ONE ADJUSTMENT EQUALS MOVEMENT IN ANY DIRECTION UP TO FULL TRAVEL, OR 90° MAX WHEN DUTY CYCLE IS LESS THAN 10% AND SPEED IS LESS THAN 60 RPM.
5. PART MARKED WITH DATE (MOYR) AND TORQUE ORDER NUMBER.  
 EXAMPLE: 0617  
 1.0A
6. MATERIAL:  
 COVER AND BASE: ENGINEERED PLASTIC  
 SHAFT: NITRIDED STEEL  
 BALL AND TORQUE ELEMENT: HARDENED STEEL  
 LUBRICANT: MINERAL OIL BASED
7. SHAFT TO COVER ANGLE NOT CONTROLLED.
8. MAX BENDING MOMENT ON SHAFT = 13 Nm [115 LB-IN].

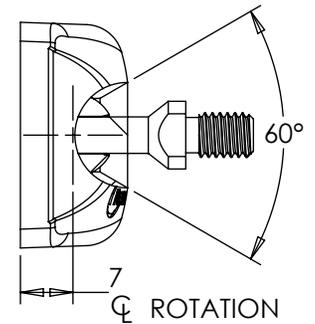
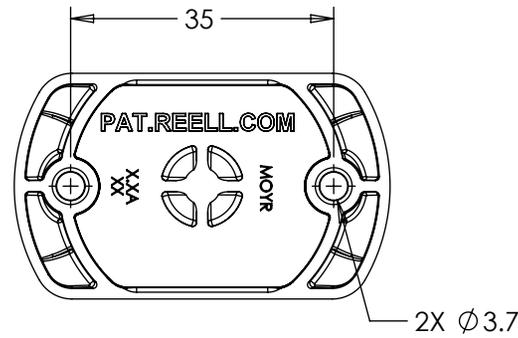
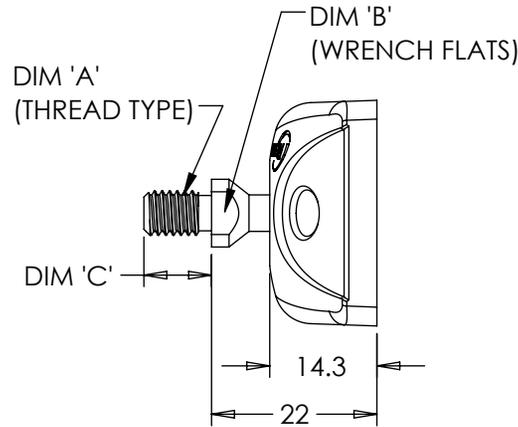
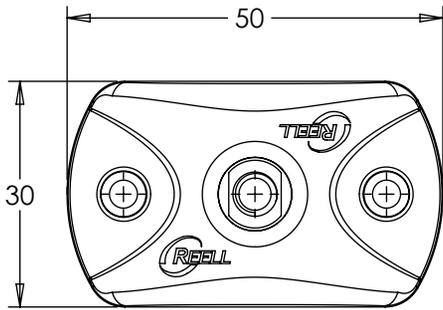
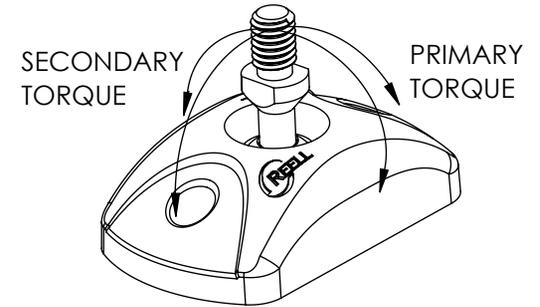
	ECO NO: 06792	PART LIFECYCLE: RELEASED					
	APPROVED BY: TYLER JACOBS	DEVELOPMENT CYCLE: PRODUCTION					
	APPROVED DATE: 01FEB24	<h2>SALES DRAWING</h2>					
	PROJECT NO: 100723						
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: DERICK OFFOR	<table border="1"> <tr> <td>PART NO:</td> <td style="font-size: 1.2em;">SJ-300</td> <td>REV:</td> <td style="font-size: 1.2em;">E</td> </tr> </table>		PART NO:	SJ-300	REV:	E
PART NO:	SJ-300			REV:	E		
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DRAWN BY: DERICK OFFOR						
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	DIMENSIONS: mm	SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 3		

SPECIFICATION SUBJECT TO CHANGE

CATALOG NUMBER	DYNAMIC TORQUE (Nm)			DIM 'A'	DIM 'B'	DIM 'C'
	PRIMARY	SECONDARY	ROTATIONAL			
SJ-300-1.0A-01-01	1.0 ± 0.3	0.6 ± 0.2	1.3 ± 0.4	M6 X 1 RH	7 mm	9 mm
SJ-300-2.0A-01-01	2.0 ± 0.6	1.4 ± 0.4	2.6 ± 0.8	M6 X 1 RH	7 mm	9 mm
SJ-300-1.0A-02-01	1.0 ± 0.3	0.6 ± 0.2	1.3 ± 0.4	1/4" - 20 RH	7/32"	6 mm
SJ-300-2.0A-02-01	2.0 ± 0.6	1.4 ± 0.4	2.6 ± 0.8	1/4" - 20 RH	7/32"	6 mm

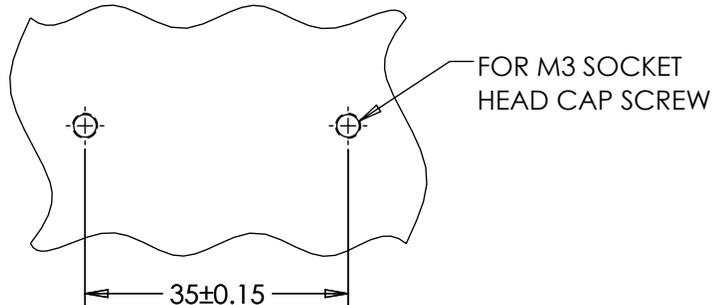
PRODUCT TORQUE SPECIFICATION AT +20°C.

# SJ - 300 - X.XA - XX - 01 FRONT COUNTERBORE MOUNT



AXIS OF ROTATION DIMENSION FOR CUSTOMER MOUNTING AND CALCULATIONS ONLY.

## CUSTOMER MOUNTING CONFIGURATION



SPECIFICATION SUBJECT TO CHANGE

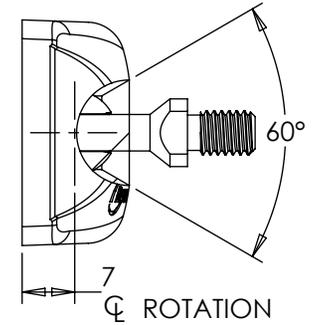
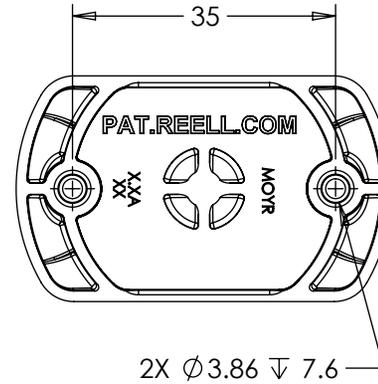
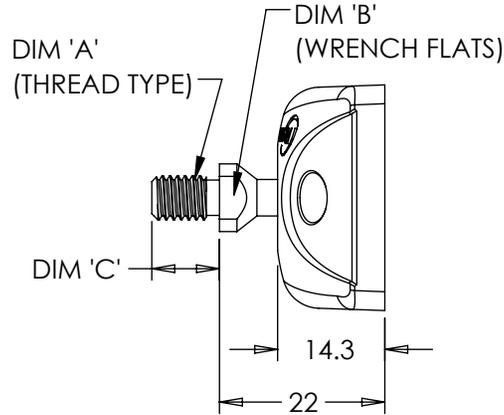
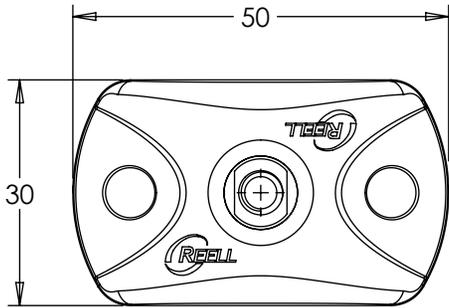
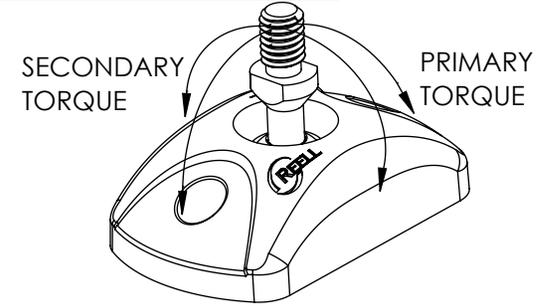
ALL DIMENSIONS REFERENCE  
SEE CAD MODEL FOR UNSPECIFIED FEATURES

	ECO NO: 06792	PART LIFECYCLE: RELEASED
	APPROVED BY: TYLER JACOBS	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 01FEB24	DESCRIPTION:
	PROJECT NO: 100723	<b>SALES DRAWING</b>
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: DERICK OFFOR	PART NO: SJ-300
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DRAWN BY: DERICK OFFOR	
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	SCALE: 1:1
	DIMENSIONS: mm	DO NOT SCALE DRAWING
		SHEET 2 OF 3

CATALOG NUMBER	DYNAMIC TORQUE (Nm)			DIM 'A'	DIM 'B'	DIM 'C'
	PRIMARY	SECONDARY	ROTATIONAL			
SJ-300-1.0A-01-02	1.0 ± 0.3	0.6 ± 0.2	1.3 ± 0.4	M6 X 1 RH	7 mm	9 mm
SJ-300-2.0A-01-02	2.0 ± 0.6	1.4 ± 0.4	2.6 ± 0.8	M6 X 1 RH	7 mm	9 mm
SJ-300-1.0A-02-02	1.0 ± 0.3	0.6 ± 0.2	1.3 ± 0.4	1/4" - 20 RH	7/32"	6 mm
SJ-300-2.0A-02-02	2.0 ± 0.6	1.4 ± 0.4	2.6 ± 0.8	1/4" - 20 RH	7/32"	6 mm

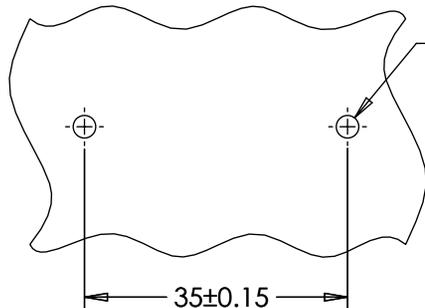
PRODUCT TORQUE SPECIFICATION AT +20 °C.

# SJ - 300 - X.XA - XX - 02 BACK HIDDEN MOUNT



AXIS OF ROTATION DIMENSION FOR CUSTOMER MOUNTING AND CALCULATIONS ONLY.

## CUSTOMER MOUNTING CONFIGURATION



CLEARANCE HOLES FOR M4.5 (OR ENGLISH EQUIVALENT) THREAD-FORMING SCREW DESIGNED FOR PLASTIC. MINIMUM RECOMMENDED ENGAGEMENT DEPTH 5.6 mm.

SPECIFICATION SUBJECT TO CHANGE

**ALL DIMENSIONS REFERENCE  
SEE CAD MODEL FOR UNSPECIFIED FEATURES**

	ECO NO: 06792	PART LIFECYCLE: RELEASED	
	APPROVED BY: TYLER JACOBS	DEVELOPMENT CYCLE: PRODUCTION	
	APPROVED DATE: 01FEB24	DESCRIPTION:	
	PROJECT NO: 100723	<b>SALES DRAWING</b>	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: DERICK OFFOR	PART NO: SJ-300	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DRAWN BY: DERICK OFFOR		REV: E
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	SCALE: 1:1	DO NOT SCALE DRAWING
	DIMENSIONS: mm		SHEET 3 OF 3