

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 - COUNTERBORE

NOTES:

1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. DYNAMIC TORQUE AND PART NUMBERS SEE PAGE 2
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].



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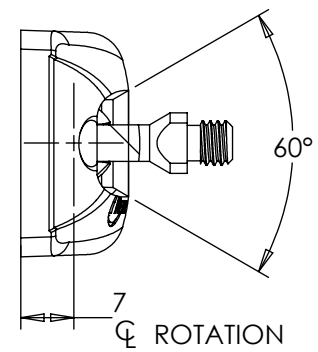
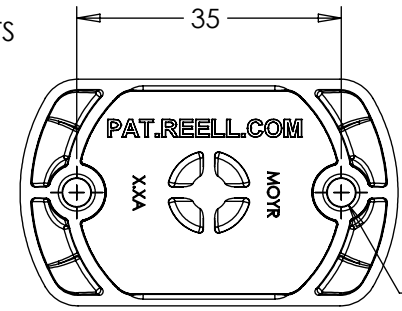
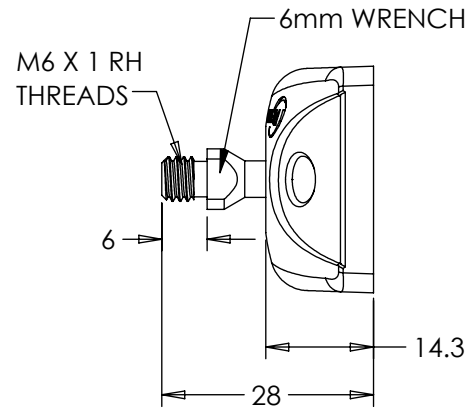
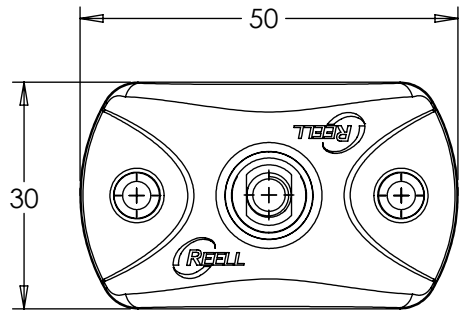
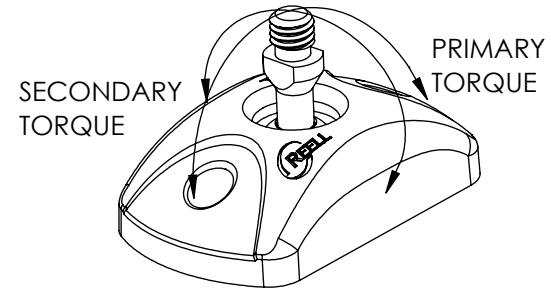
| | | |
|--|---------------------------|---|
| REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG. INTERPRET PRINT PER ASME Y14.5M-2009 | ECO NO: 03538 | PART LIFECYCLE: RELEASED |
| | APPROVED BY: DERICK OFFOR | DEVELOPMENT CYCLE: PRE-PRODUCTION |
| | APPROVED DATE: 31 MAR 21 | DESCRIPTION: SJ-300 SALES DRAWING |
| | PROJECT NO: 0 | |
| ENGINEER: DERICK OFFOR | PART NO: SJ - 300 | REV: C |
| THIRD ANGLE PROJECTION | SCALE: 1:1 | DO NOT SCALE DRAWING |
| DIMENSIONS: mm | SHEET 1 OF 3 | |

SPECIFICATION SUBJECT TO CHANGE

| CATALOG NUMBER | DYNAMIC TORQUE | | | | | | | | |
|-------------------|----------------|---------|--------------------------|------------------|---------|----------------------------|-------------------|---------|-----------------------------|
| | PRIMARY TORQUE | | PRIMARY TORQUE TOLERANCE | SECONDARY TORQUE | | SECONDARY TORQUE TOLERANCE | ROTATIONAL TORQUE | | ROTATIONAL TORQUE TOLERANCE |
| | Nm | [LB-IN] | | Nm | [LB-IN] | | Nm | [LB-IN] | |
| SJ-300-1.0A-01-01 | 1.0 | 8.8 | ±30% | 0.6 | 5.3 | ±30% | 1.3 | 11.5 | ±30% |
| SJ-300-2.0A-01-01 | 2.0 | 17.7 | ±30% | 1.4 | 12.4 | ±30% | 2.6 | 23.0 | ±30% |

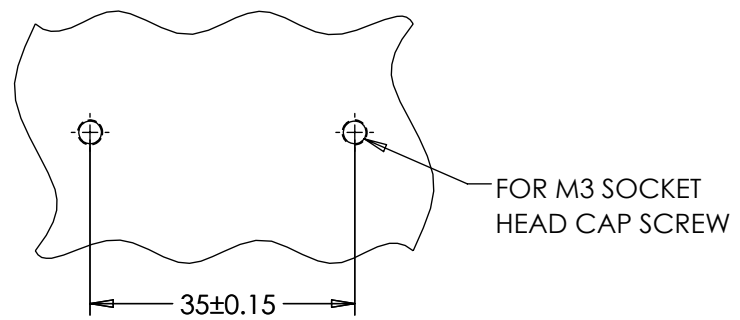
PRODUCT TORQUE SPECIFICATION AT +20°C.

SJ - 300 - X.XA -01 -01



AXIS OF ROTATION DIMENSION FOR CUSTOMER MOUNTING AND CALCULATIONS ONLY.

CUSTOMER MOUNTING CONFIGURATION



SPECIFICATION SUBJECT TO CHANGE

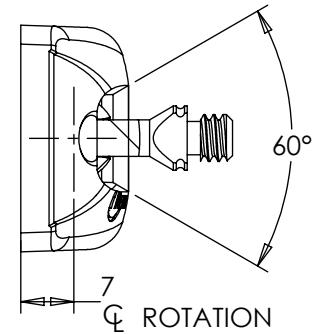
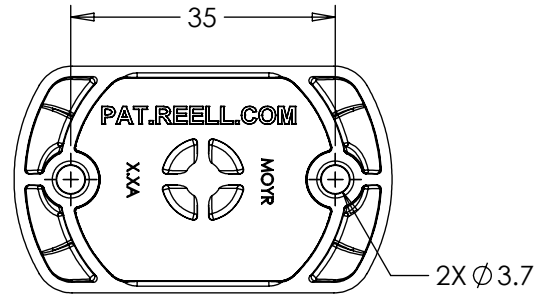
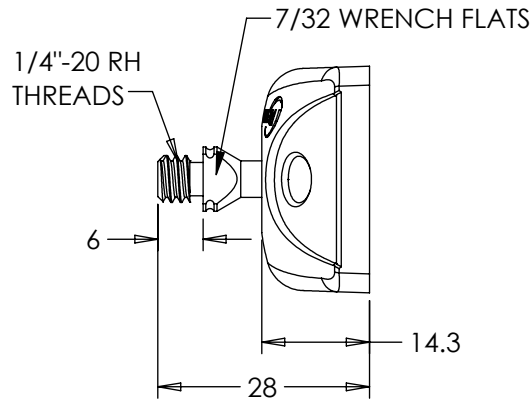
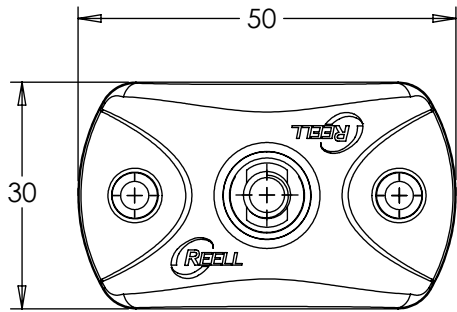
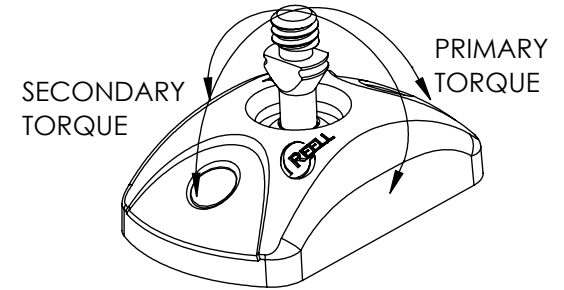
ALL DIMENSIONS REFERENCE SEE CAD MODEL FOR UNSPECIFIED FEATURES

| | | |
|--|----------------------------|--|
| | ECO NO: 03538 | PART LIFECYCLE: RELEASED |
| | APPROVED BY: DERICK OFFOR | DEVELOPMENT CYCLE: PRE-PRODUCTION |
| | APPROVED DATE: 31 MAR 21 | DESCRIPTION: |
| | PROJECT NO: 0 | <h2>SJ-300 SALES DRAWING</h2> |
| ENGINEER: DERICK OFFOR | | |
| REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA | DRAWN BY: DERICK OFFOR | PART NO: SJ - 300 |
| THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG. | THIRD ANGLE PROJECTION | REV: C |
| INTERPRET PRINT PER ASME Y14.5M-2009 | DIMENSIONS: mm | SCALE: 1:1 DO NOT SCALE DRAWING SHEET 2 OF 3 |

| CATALOG NUMBER | DYNAMIC TORQUE | | | | | | | | |
|-------------------|----------------|---------|--------------------------|------------------|---------|----------------------------|-------------------|---------|-----------------------------|
| | PRIMARY TORQUE | | PRIMARY TORQUE TOLERANCE | SECONDARY TORQUE | | SECONDARY TORQUE TOLERANCE | ROTATIONAL TORQUE | | ROTATIONAL TORQUE TOLERANCE |
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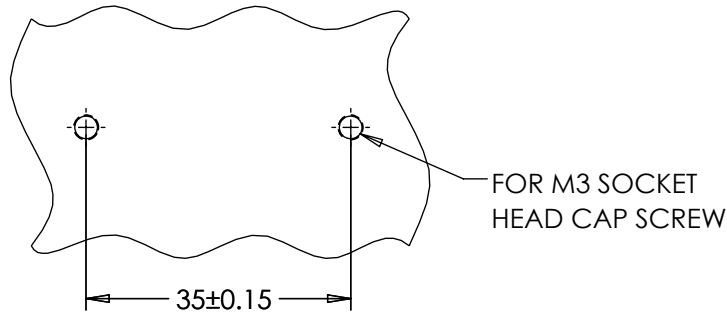
PRODUCT TORQUE SPECIFICATION AT +20°C.

SJ - 300 - X.XA -02 -01



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

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| INTERPRET PRINT PER ASME Y14.5M-2009 | THIRD ANGLE PROJECTION | SCALE: 1:1 |
| | DIMENSIONS: mm | DO NOT SCALE DRAWING |
| | | SHEET 3 OF 3 |