CATALOG CODE
PHB-X.XX-XX-XX-XX

TORQUE Nm
0.44
0.78
1.22
1.57
2.01
2.35
2.79

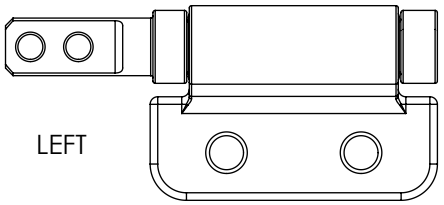
HINGE TYPE
01 - LEFT
02 - RIGHT
03 - DUAL

MOUNTING TYPE
01 - THROUGH
02 - COUNTERSINK

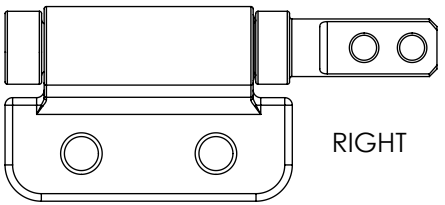
FINISH
01 - PLAIN
02 - BLACK

NOTES:

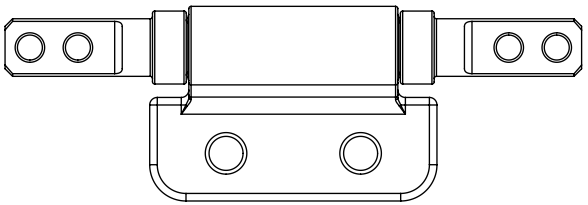
1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. LIFE: 50,000 CYCLES WHEN DUTY CYCLE IS LESS THAN 10% AND ROTATIONAL SPEED IS LESS THAN 100 RPM. 30 SECONDS MAXIMUM CONTINUOUS ACTUATION.
3. DESIGNED TO ACCEPT M4 (BRACKET) AND M3 (SHAFT END) SCREWS.
4. SHAFT END FLATS ON DUAL OPTION TO BE ORIENTED ±5° WITH RESPECT TO EACH OTHER.
5. MATERIAL:
   ZINC BRACKET
   LOW CARBON STEEL WITH ZINC PLATE
   SHAFT END
   HARDENED STEEL SHAFT
   HARDENED STEEL TORQUE ELEMENT



LEFT



RIGHT



DUAL

DYNAMIC TORQUE	
NOMINAL (Nm)	TOLERANCE
0.44	±30%
0.78	±25%
1.22	±25%
1.57	±20%
2.01	±20%
2.35	±20%
2.79	±20%

PRODUCTION TORQUE SPECIFICATION AT +20 C

SPECIFICATION SUBJECT TO CHANGE

REELL

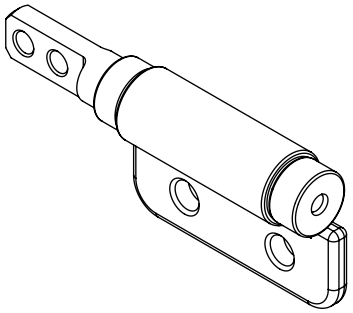
REELL PRECISION MANUFACTURING
1259 WILLOW LAKE BOULEVARD
SAINT PAUL, MINNESOTA 55110-5103, USA

INTERPRET PRINT PER ASME Y14.5M-2009

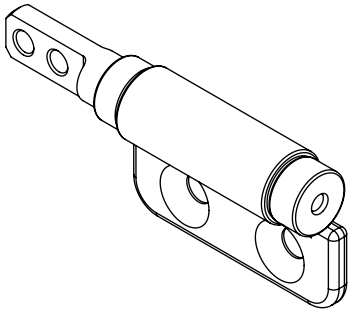
ECO NO: 04530	PART LIFECYCLE: RELEASED
APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
APPROVED DATE: 26JUL22	DESCRIPTION: SALES DRAWING
PROJECT NO: 0	
ENGINEER: TIM JENUM	
DRAWN BY: BILL WARREN	
THIRD ANGLE PROJECTION	PART NO: PHB — REV: P
DIMENSIONS: mm	SCALE: 1:1 — DO NOT SCALE DRAWING — SHEET 1 OF 5

PHB - X.XX - 01 - XX - XX

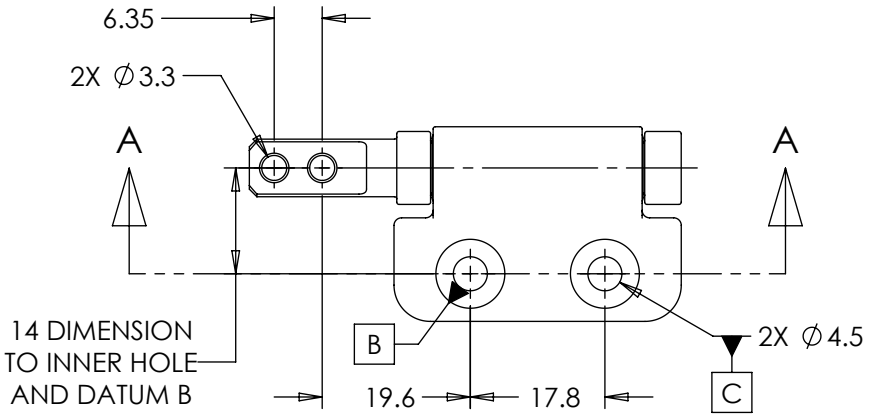
DIMENSIONS APPLY TO COUNTERSINK AND STANDARD HOLE OPTIONS

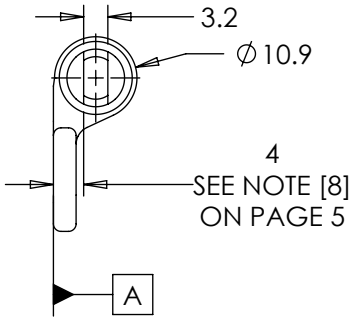


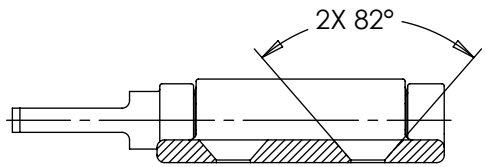
PHB-X.XX-01-01-XX



PHB-X.XX-01-02-XX







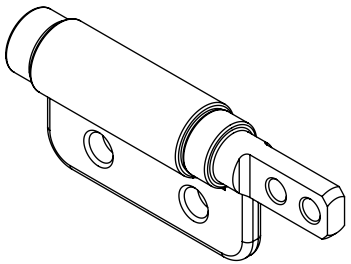
SECTION A-A
FOR COUNTERSINK VERSIONS

SPECIFICATION SUBJECT TO CHANGE

REELL	ECO NO: 04530	PART LIFECYCLE: RELEASED
	APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 26JUL22	DESCRIPTION: SALES DRAWING
	PROJECT NO: 0	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	
	DRAWN BY: BILL WARREN	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION	PART NO: PHB REV: P
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	SCALE: 1:1 DO NOT SCALE DRAWING SHEET 2 OF 5

PHB - X.XX - 02 - XX - XX

DIMENSIONS APPLY TO COUNTERSINK AND STANDARD HOLE OPTIONS



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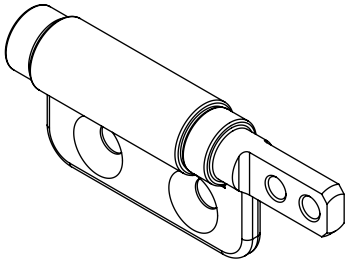

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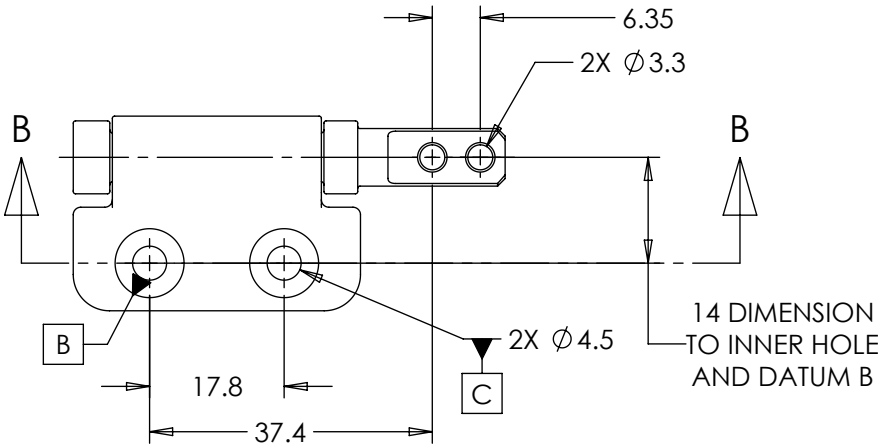
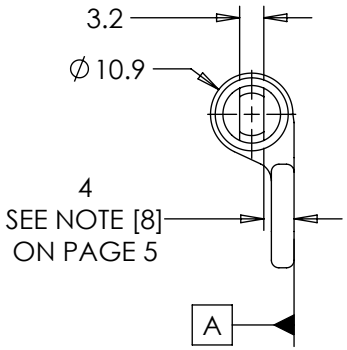
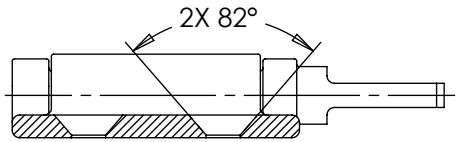






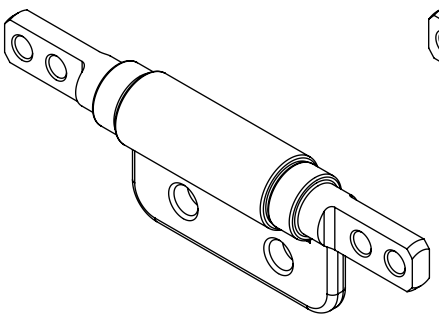
SECTION B-B
FOR COUNTERSINK VERSIONS

SPECIFICATION SUBJECT TO CHANGE

REELL	ECO NO: 04530	PART LIFECYCLE: RELEASED
	APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 26JUL22	DESCRIPTION: SALES DRAWING
	PROJECT NO: 0	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	
	DRAWN BY: BILL WARREN	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION	PART NO: PHB REV: P
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	SCALE: 1:1 DO NOT SCALE DRAWING SHEET 3 OF 5

PHB - X.XX - 03 - XX - XX

DIMENSIONS APPLY TO COUNTERSINK AND STANDARD HOLE OPTIONS



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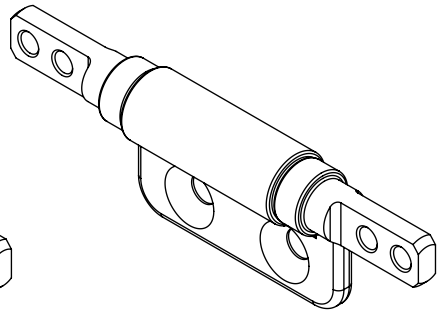

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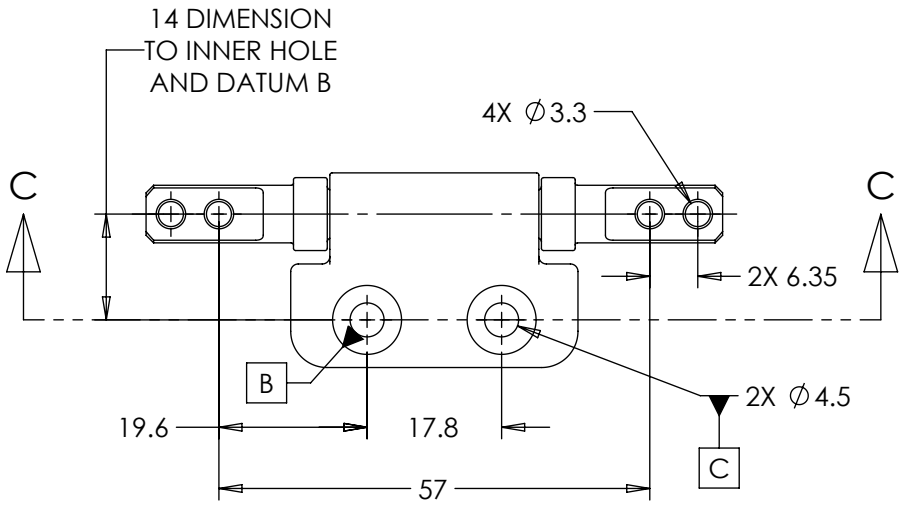
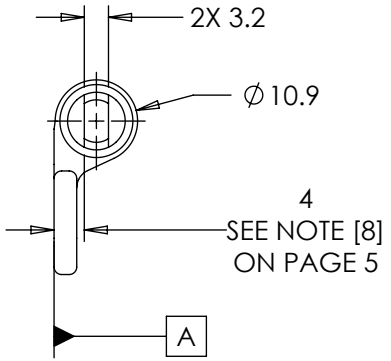
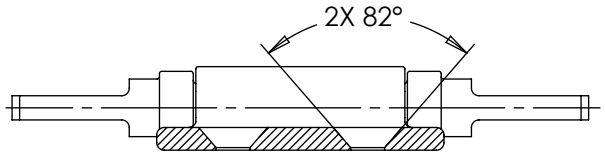




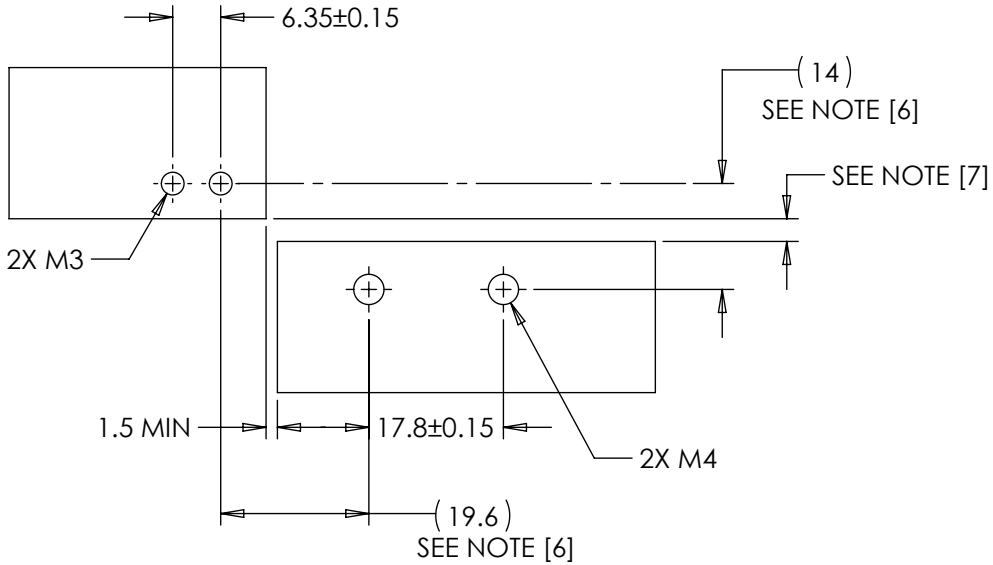


SECTION C-C
FOR COUNTERSINK VERSIONS

SPECIFICATION SUBJECT TO CHANGE

REELL	ECO NO: 04530	PART LIFECYCLE: RELEASED
	APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 26JUL22	DESCRIPTION: SALES DRAWING
	PROJECT NO: 0	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	
	DRAWN BY: BILL WARREN	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION	PART NO: PHB — REV: P
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	SCALE: 1:1 — DO NOT SCALE DRAWING — SHEET 4 OF 5

MOUNTING CONFIGURATION FOR ALL LEFT CONFIGURATIONS



MOUNTING CONFIGURATION NOTES:

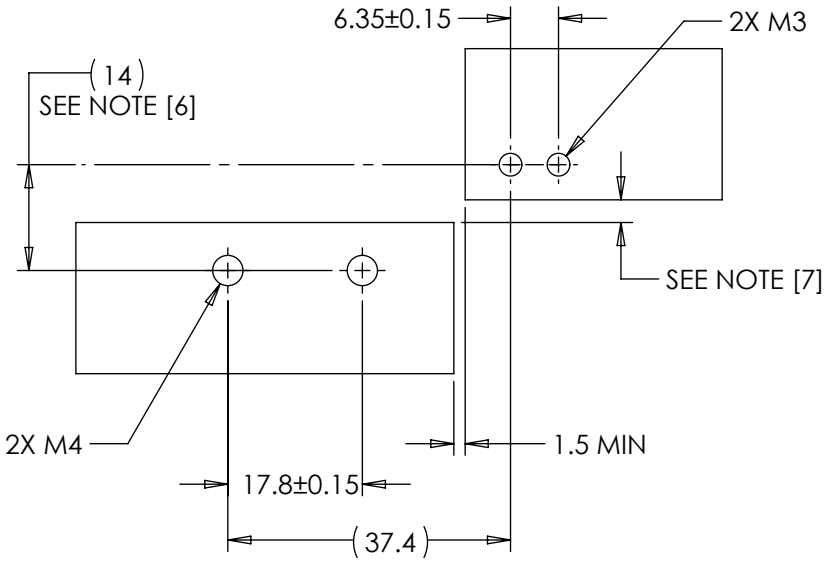
[6] USER WITH CRITICAL MOUNTING INTERFACES (I.E. LATCHES) SHOULD ALIGN PLATES TO ±0.1.

[7] USER TO DETERMINE MINIMUM DISTANCE BASED ON MOUNTING PLATE THICKNESSES AND DESIRED ANGLE OF ROTATION.

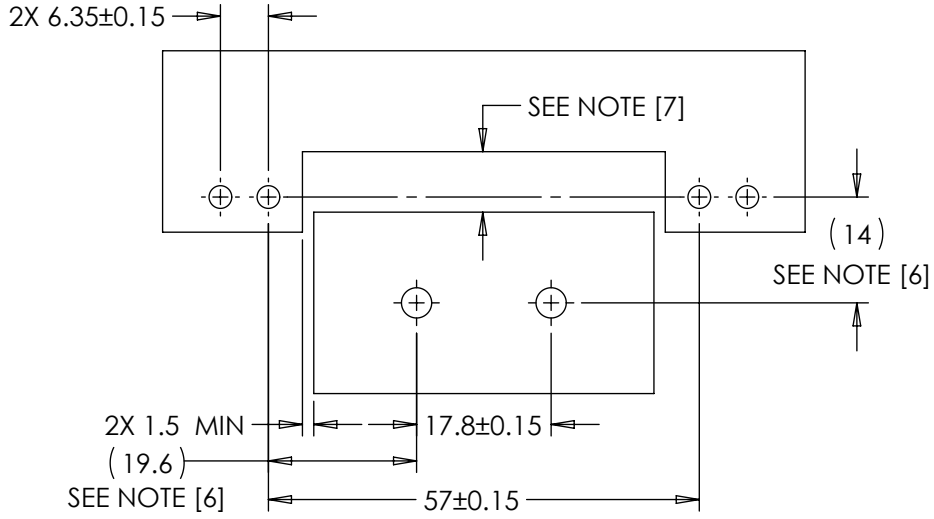
[8] USER MOUNTING CONFIGURATION TO ALLOW ±0.5 TOLERANCE IN THE DEPTH DIRECTION FROM SHAFT END TO BRACKET IF APPLICABLE.

9. MATING ASSEMBLIES SHOULD BE DESIGNED TO ALLOW 0.8 NOMINAL CLEARANCE AROUND ENTIRE ASSEMBLY.

MOUNTING CONFIGURATION FOR ALL RIGHT CONFIGURATIONS



MOUNTING CONFIGURATION FOR ALL DUAL CONFIGURATIONS



SPECIFICATION SUBJECT TO CHANGE

REELL	ECO NO: 04530	PART LIFECYCLE: RELEASED
	APPROVED BY: CURT POTTER	DEVELOPMENT CYCLE: PRODUCTION
	APPROVED DATE: 26JUL22	DESCRIPTION: SALES DRAWING
	PROJECT NO: 0	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	
	DRAWN BY: BILL WARREN	
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION	PART NO: PHB REV: P
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	SCALE: 1:1 DO NOT SCALE DRAWING SHEET 5 OF 5