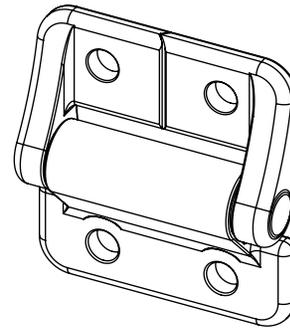


# CATALOG CODE PHCA-X.XX

TORQUE Nm
0.44
0.78
1.22
1.57
2.01
2.35
2.79

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%

PRODUCT TORQUE SPECIFICATION AT +20°C.



**NOTES:**

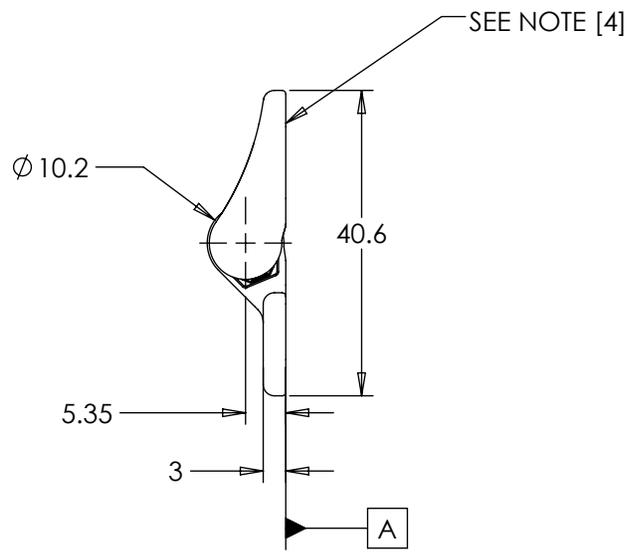
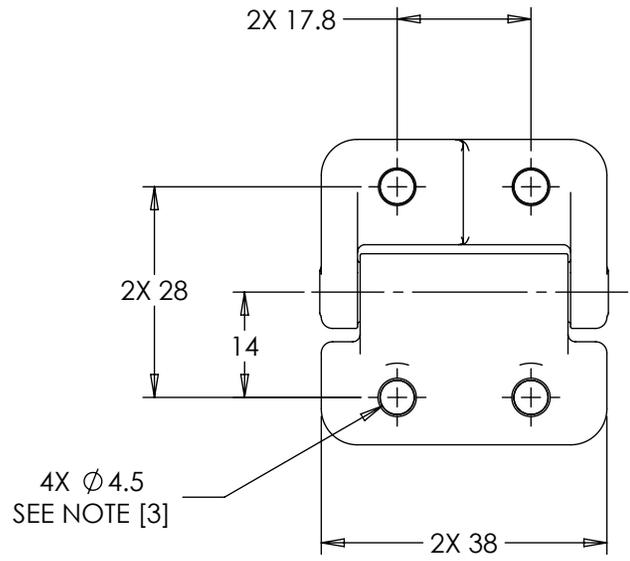
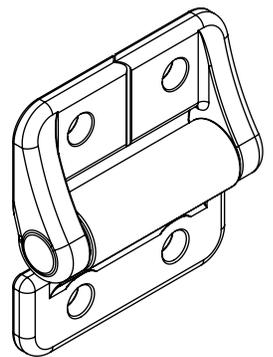
1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. LIFE: 50,000 CYCLES WHEN DUTY CYCLE IS LESS THAN 10% AND ROTATIONAL SPEED IS LESS THAN 100 RPM. 30 SECONDS MAXIMUM CONTINUOUS ACTUATION.
- [3] DESIGNED TO ACCEPT M4 OR #8 SCREW OR EQUIVALENT.
- [4] FLATS TO BE ORIENTED ±5° WITH RESPECT TO DATUM A AS SHOWN.
5. MATERIAL:  
ALUMINUM BRACKET  
ALUMINUM SHAFT END  
HARDENED STEEL SHAFT  
HARDENED STEEL TORQUE ELEMENTS

SPECIFICATIONS SUBJECT TO CHANGE

	ECO NO: 05832	PART LIFECYCLE: RELEASED		
	APPROVED BY: BILL WARREN	DEVELOPMENT CYCLE: PRODUCTION		
	APPROVED DATE: 16MAR23	DESCRIPTION: <b>SALES DRAWING</b>		
	PROJECT NO: 0			
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	PART NO: <b>PHCA</b> REV: <b>D</b>		
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DRAWN BY: BILL WARREN			
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 3

8 7 6 5 4 3 2 1

D  
C  
B  
A

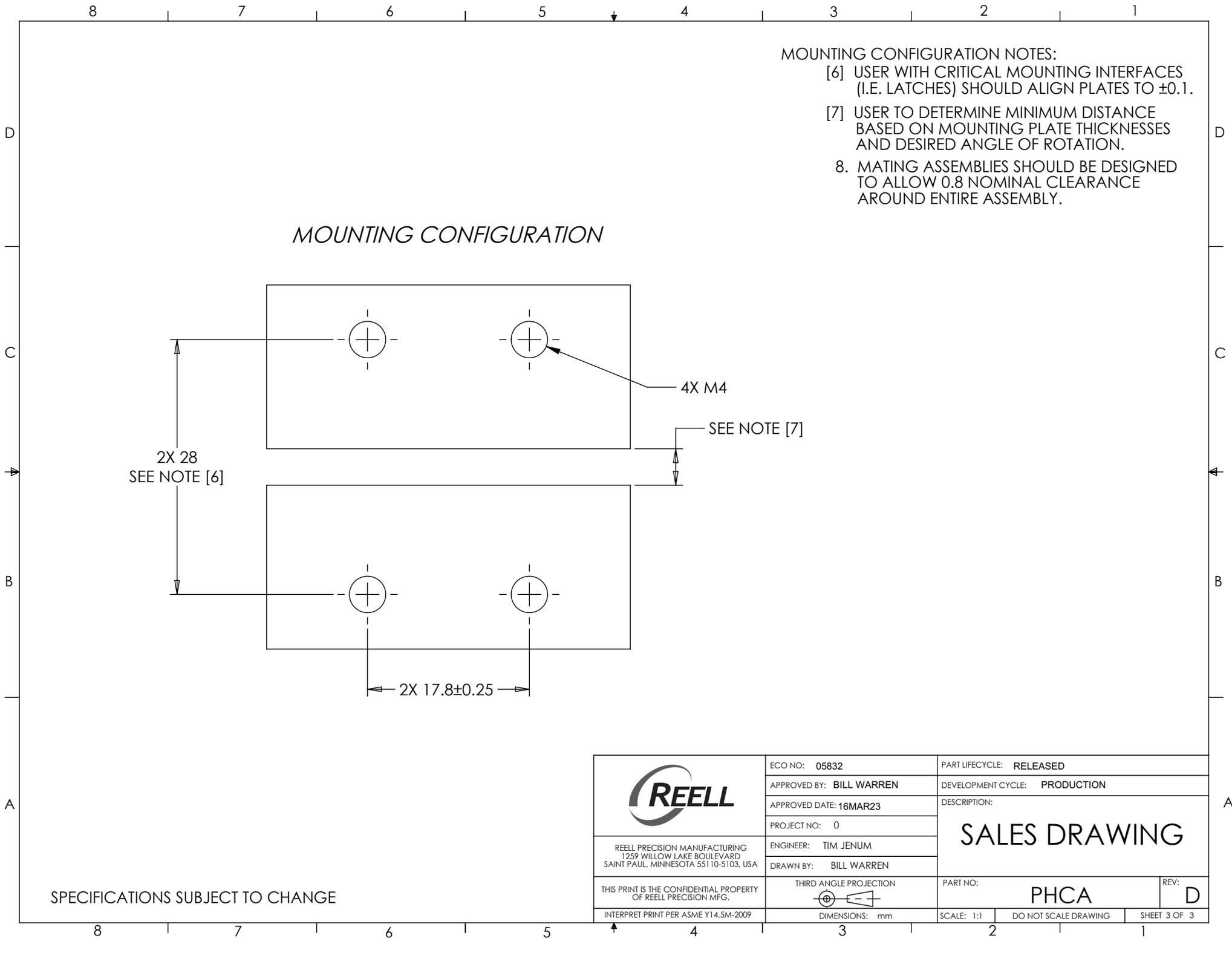


ALL DIMENSIONS REFERENCE  
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

SPECIFICATIONS SUBJECT TO CHANGE

 REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ECO NO: 05832	PART LIFECYCLE: RELEASED	
	APPROVED BY: BILL WARREN	DEVELOPMENT CYCLE: PRODUCTION	
	APPROVED DATE: 16MAR23	DESCRIPTION:	
	PROJECT NO: 0	<b>SALES DRAWING</b>	
ENGINEER: TIM JENUM	PART NO: PHCA		REV: D
DRAWN BY: BILL WARREN	THIRD ANGLE PROJECTION 	SCALE: 1:1	DO NOT SCALE DRAWING
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DIMENSIONS: mm	SHEET 2 OF 3	
INTERPRET PRINT PER ASME Y14.5M-2009			

8 7 6 5 4 3 2 1



MOUNTING CONFIGURATION NOTES:

- [6] USER WITH CRITICAL MOUNTING INTERFACES (I.E. LATCHES) SHOULD ALIGN PLATES TO  $\pm 0.1$ .
- [7] USER TO DETERMINE MINIMUM DISTANCE BASED ON MOUNTING PLATE THICKNESSES AND DESIRED ANGLE OF ROTATION.
- 8. MATING ASSEMBLIES SHOULD BE DESIGNED TO ALLOW 0.8 NOMINAL CLEARANCE AROUND ENTIRE ASSEMBLY.

MOUNTING CONFIGURATION

2X 28  
SEE NOTE [6]

4X M4

SEE NOTE [7]

2X 17.8±0.25



REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ECO NO: 05832	PART LIFECYCLE: RELEASED	
	APPROVED BY: BILL WARREN	DEVELOPMENT CYCLE: PRODUCTION	
	APPROVED DATE: 16MAR23	SALES DRAWING	
	PROJECT NO: 0		
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	ENGINEER: TIM JENUM DRAWN BY: BILL WARREN	PART NO: PHCA	REV: D
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	SCALE: 1:1	DO NOT SCALE DRAWING

SPECIFICATIONS SUBJECT TO CHANGE