

CATALOG CODE PHK-X.XX-X-XX

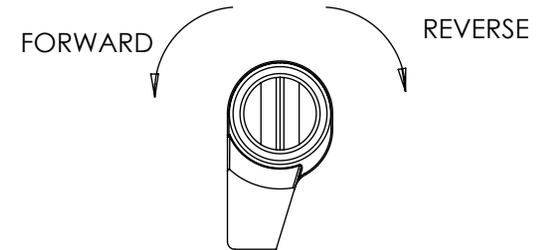
TORQUE Nm
1.5
2.5
3.5
4.5
5.5

HIGH TORQUE DIRECTION
F - FORWARD
R - REVERSE

SHAFT END
01 - LEFT STRAIGHT
02 - RIGHT STRAIGHT
03 - DUAL STRAIGHT
04 - LEFT ELBOW
05 - RIGHT ELBOW
06 - DUAL ELBOW

NOTES:

1. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.
2. LIFE: 20,000 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] HIGH TORQUE DIRECTION DETERMINED WITH BRACKET FIXED AND SHAFT ENDS ROTATED AS SHOWN.
5. MATERIAL:
ZINC BRACKET
ZINC ELBOW SHAFT END
STEEL WITH ZINC PLATE STRAIGHT SHAFT END
HARDENED STEEL SHAFT
HARDENED STEEL TORQUE ELEMENT



SEE NOTE [4]

DYNAMIC TORQUE	
HIGH TORQUE DIRECTION	LOW TORQUE DIRECTION
1.5±0.3	1.0±0.3
2.5±0.5	1.6±0.5
3.5±0.7	2.3±0.7
4.5±0.9	2.9±0.9
5.5±1.1	3.6±1.1

PRODUCT TORQUE SPECIFICATION AT +20°C.

SPECIFICATION SUBJECT TO CHANGE

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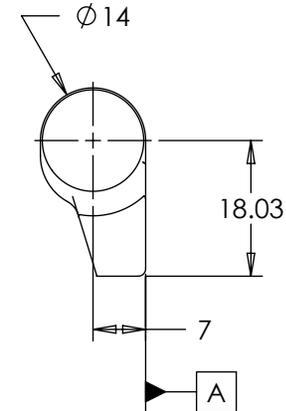
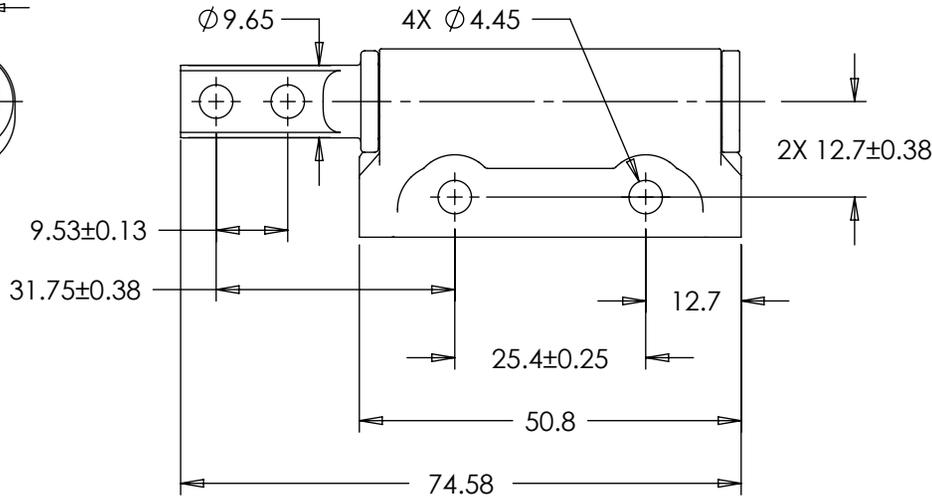
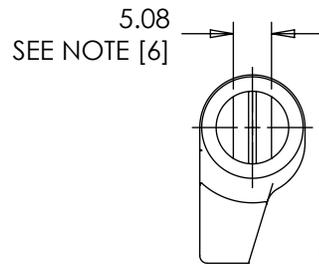
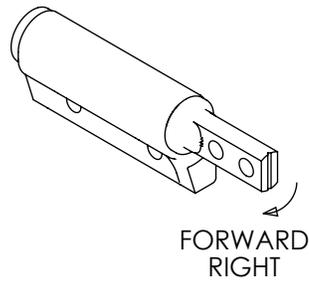
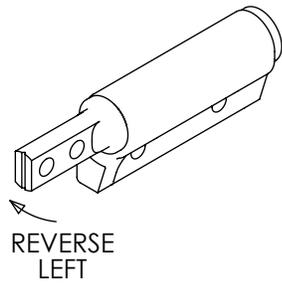
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 THIRD ANGLE PROJECTION

LEVEL	DESCRIPTION	DRAWN	DATE	APPROVED
DRAWN: DDF	DATE: 4-14-05	REFERENCE:		
CHECKED: TWJ	DATE: 4-26-05	TITLE:		
APPROVED: TWJ	DATE: 4-26-05	SALES DRAWING		
REVISED: 7-15-20	DIMS: mm			
 REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA		PART NO:	PHK	REV: K
		SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 1 OF 5

DIMENSIONS FOR PHK-XX-X-01 AND PHK-XX-X-02

NOTES:

[6] FLATS TO BE ORIENTED $\pm 5^\circ$ WITH RESPECT TO DATUM A AS SHOWN.



PHK-XX-X-01 SHOWN

ALL DIMENSIONS REFERENCE
SEE CAD MODEL FOR UNSPECIFIED FEATURES.

LEVEL	DESCRIPTION		DRAWN	DATE	APPROVED
DRAWN:	DDF	DATE: 4-14-05	REFERENCE:		
CHECKED:	TWJ	DATE: 4-26-05	TITLE:		
APPROVED:	TWJ	DATE: 4-26-05	SALES DRAWING		
REVISED:	7-15-20	DIMS: mm			
			PART NO:		REV:
			PHK		K
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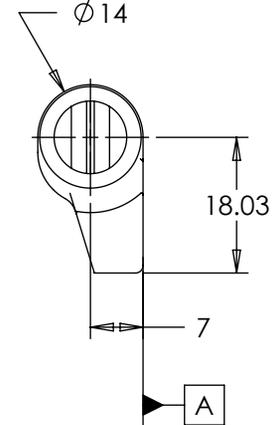
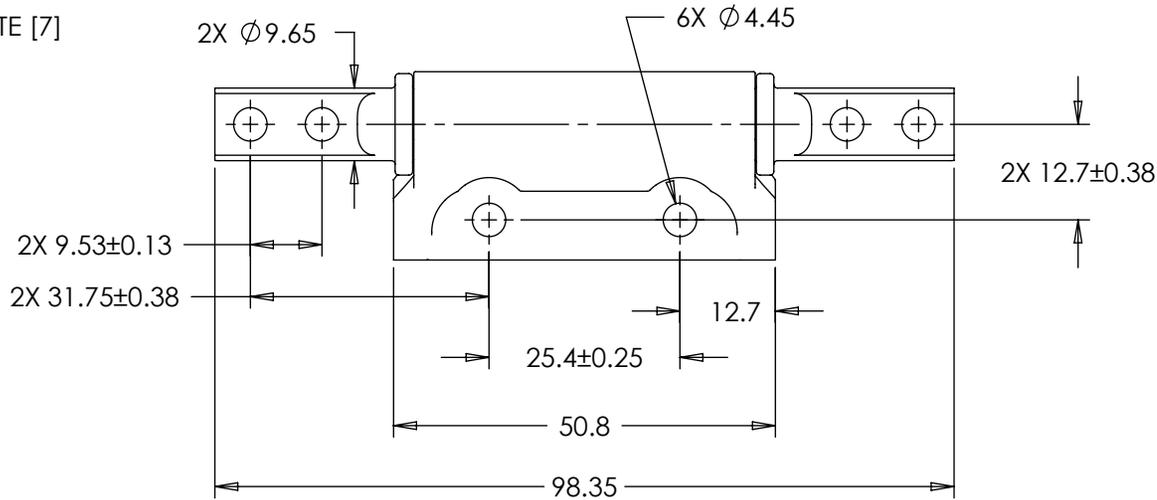
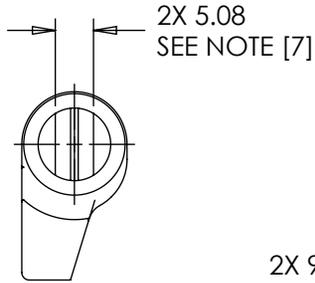
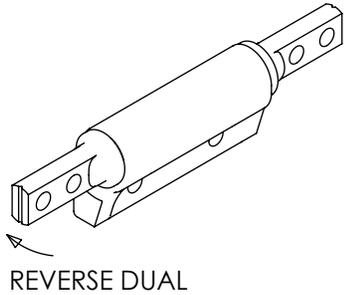
SPECIFICATION SUBJECT TO CHANGE

8 7 6 5 4 3 2 1

NOTES:

[7] FLATS TO BE ORIENTED $\pm 5^\circ$ WITH RESPECT TO DATUM A AS SHOWN.

DIMENSIONS FOR PHK-XX-X-03



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APPROVED:	TWJ	DATE: 4-26-05	SALES DRAWING		
REVISED:	7-15-20	DIMS: mm	PART NO: PHK		
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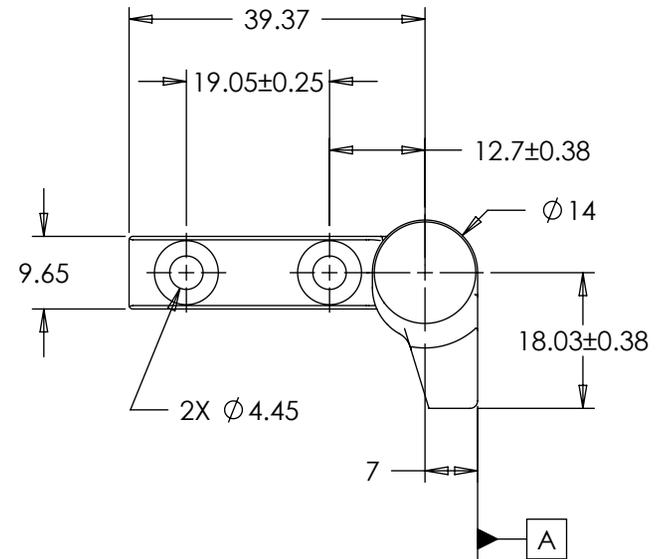
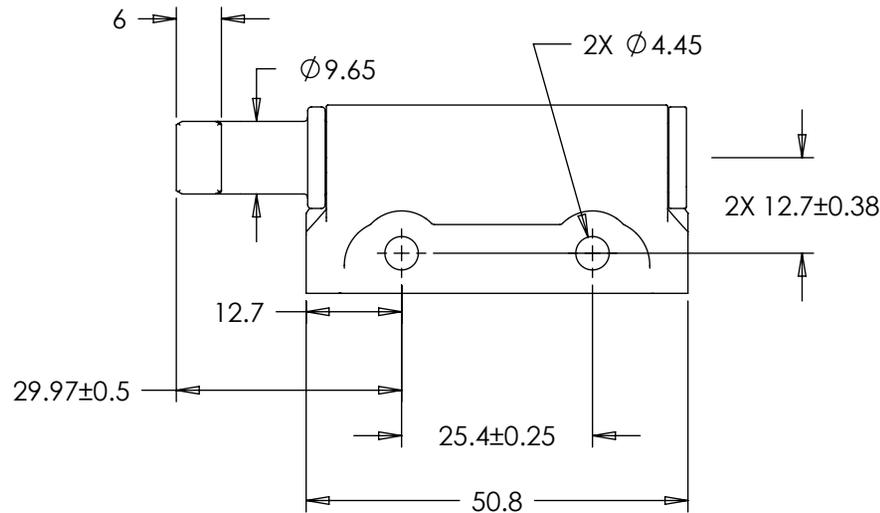
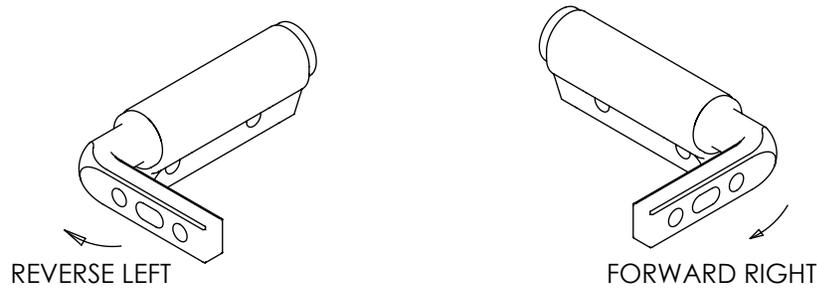
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8 7 6 5 4 3 2 1

DIMENSIONS FOR PHK-XX-X-04 AND PHK-XX-X-05

NOTES:

8. SHAFT END TO BE ORIENTED $90^\circ \pm 5^\circ$ AS SHOWN WITH RESPECT TO DATUM A.



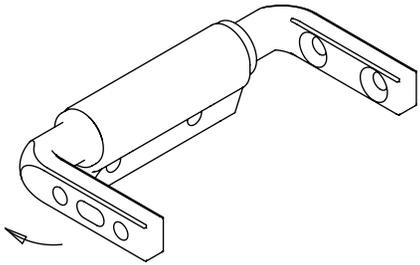
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PHK-XX-X-04 SHOWN

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APPROVED:	TWJ	DATE:	4-26-05	
REVISED:	7-15-20	DIMS:	mm	
		REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA		PART NO: PHK
		SCALE: 1:1 DO NOT SCALE DRAWING		REV: K
				SHEET 4 OF 5

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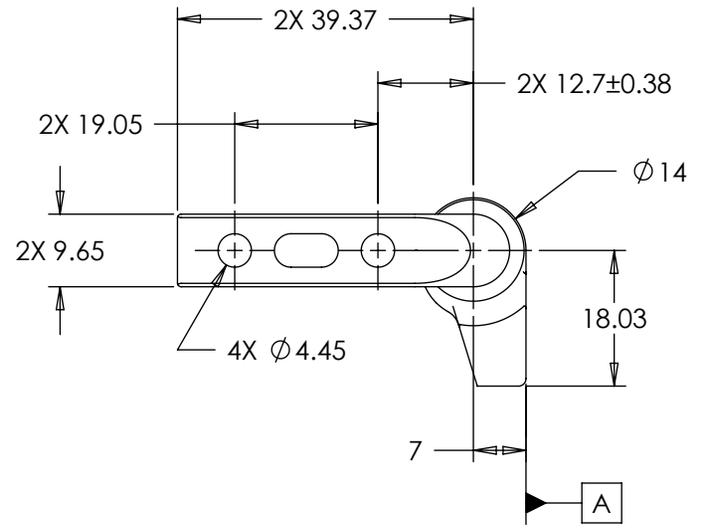
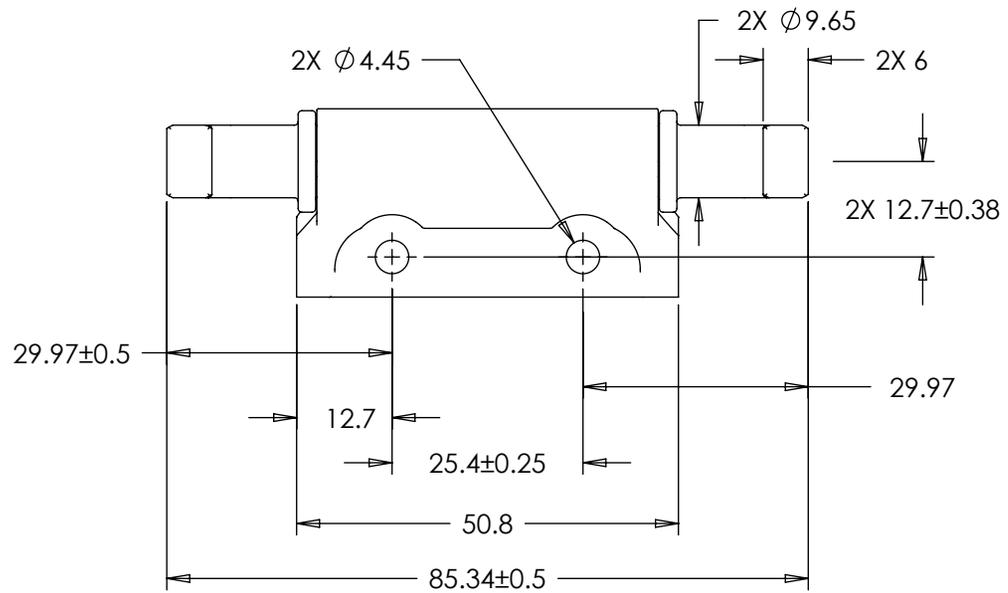


REVERSE DUAL

DIMENSIONS FOR PHK-XX-X-06

NOTES:

9. SHAFT END TO BE ORIENTED $90^\circ \pm 5^\circ$ AS SHOWN WITH RESPECT TO DATUM A.



ALL DIMENSIONS REFERENCE SEE CAD MODEL FOR UNSPECIFIED FEATURES.

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CHECKED:	TWJ	DATE: 4-26-05	TITLE:		
APPROVED:	TWJ	DATE: 4-26-05	SALES DRAWING		
REVISED:	7-15-20	DIMS: mm			
			PART NO:		REV:
			PHK		K
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