



# CATALOG CODE MH-10-X.X-X

## TORQUE (Nm)

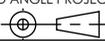
1.5  
2.5  
3.5

## DIRECTION

F - FORWARD  
R- REVERSE

### NOTES:

1. DYNAMIC TORQUE AND PART NUMBERS SEE PAGE 2.
2. LIFE: 20,000 CYCLES.  
ONE CYCLE = 120° OPEN/120° CLOSED.  
FIVE (5) CYCLES PER MINUTE MAX.
3. MATERIAL:  
CENTER BRACKET: ENGINEERED PLASTIC  
OUTER BRACKET: ENGINEERED PLASTIC  
SHAFT: HARDENED STEEL  
TORQUE ELEMENT: HARDENED STEEL  
TORQUE INSERT HOUSING AND BUSHINGS ARE ZINC
4. DESIGNED TO ACCEPT M5 BUTTON HEAD SCREW OR EQUIVALENT.
5. BRACKETS TO BE ORIENTED  $\pm 5^\circ$  WITH RESPECT TO EACH OTHER AS SHOWN.
6. TOTAL TRAVEL 270°.
7. STATIC TORQUE IS NORMALLY WITHIN 10% OF DYNAMIC TORQUE.
8. TOP SURFACE TEXTURED.
9. MATING ASSEMBLIES SHOULD BE DESIGNED TO ALLOW 0.5 mm CLEARANCE AROUND ENTIRE HINGE.
10. USER MUST DETERMINE FITNESS FOR USE IN APPLICATION.

	ECO NO: 07461	PART LIFECYCLE: RELEASED	
	APPROVED BY: BOB WAHLSTEDT	DEVELOPMENT CYCLE: PRE-PRODUCTION	
	APPROVED DATE: 10SEP24	DESCRIPTION:	
	PROJECT NO: 101739	<b>SALES DRAWING</b>	
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	PART NO: MH-10	
	DRAWN BY: TIM JENUM		
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	THIRD ANGLE PROJECTION 	SCALE: 1:1	
INTERPRET PRINT PER ASME Y14.5M-2009	DIMENSIONS: mm	DO NOT SCALE DRAWING	SHEET 1 OF 2

CATALOG CODE	DIRECTION	DYNAMIC TORQUE	
		FORWARD	REVERSE
MH-10-1.5-F	FORWARD	1.5 ± 0.5 Nm	0.94 ± 0.3 Nm
MH-10-2.5-F	FORWARD	2.5 ± 0.9 Nm	1.56 ± 0.5 Nm
MH-10-3.5-F	FORWARD	3.5 ± 1.2 Nm	2.19 ± 0.7 Nm
MH-10-1.5-R	REVERSE	0.94 ± 0.3 Nm	1.5 ± 0.5 Nm
MH-10-2.5-R	REVERSE	1.56 ± 0.5 Nm	2.5 ± 0.9 Nm
MH-10-3.5-R	REVERSE	2.19 ± 0.7 Nm	3.5 ± 1.2 Nm

ALL HINGE DIMENSIONS REFERENCE  
SEE CAD MODEL FOR  
UNSPECIFIED FEATURES

DETERMINE MINIMUM  
DISTANCE BASED ON PLATE  
THICKNESS AND DESIRED  
ANGLE OF ROTATION

CUSTOMER MOUNTING CONFIGURATION  
FOR M5 SCREWS

D

D

C

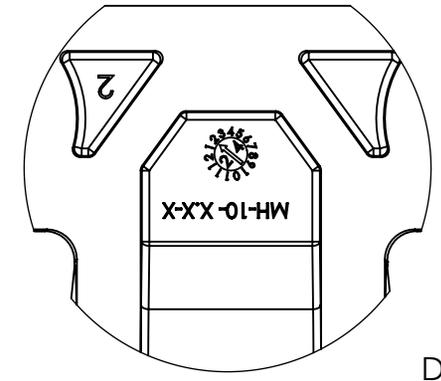
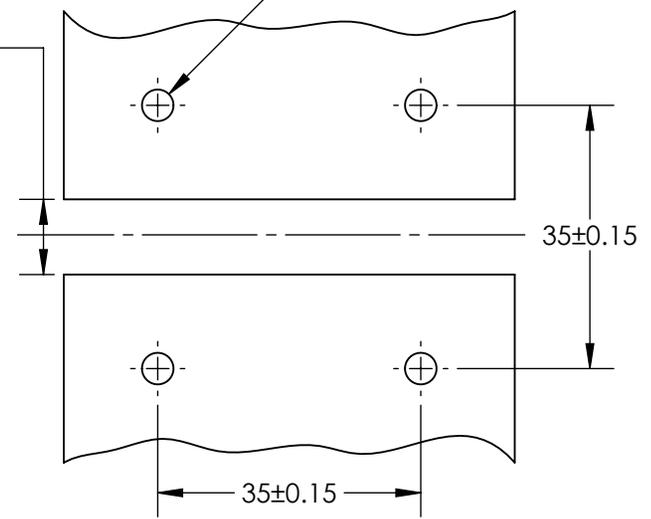
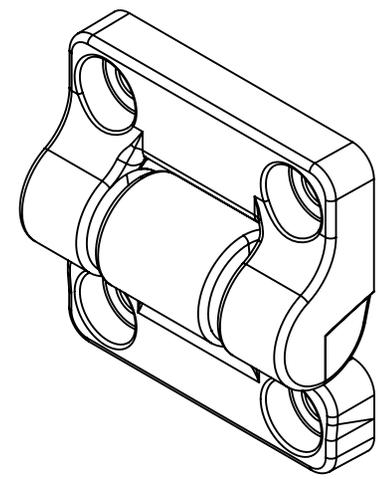
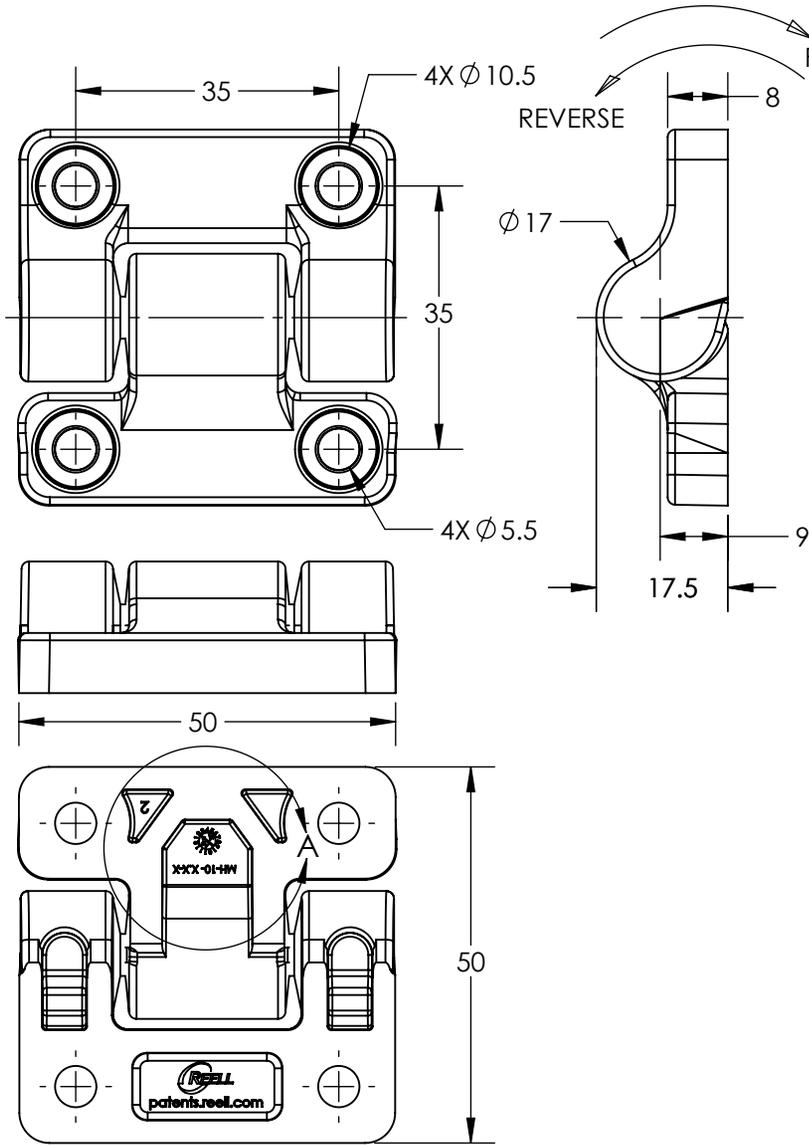
C

B

B

A

A



DETAIL A  
SCALE 2 : 1

	ECO NO: 07461	PART LIFECYCLE: RELEASED
	APPROVED BY: BOB WAHLSTEDT	DEVELOPMENT CYCLE: PRE-PRODUCTION
	APPROVED DATE: 10SEP24	DESCRIPTION:
	PROJECT NO: 101739	<b>SALES DRAWING</b>
REELL PRECISION MANUFACTURING 1259 WILLOW LAKE BOULEVARD SAINT PAUL, MINNESOTA 55110-5103, USA	ENGINEER: TIM JENUM	PART NO: MH-10
THIS PRINT IS THE CONFIDENTIAL PROPERTY OF REELL PRECISION MFG.	DRAWN BY: TIM JENUM	REV: 6
INTERPRET PRINT PER ASME Y14.5M-2009	THIRD ANGLE PROJECTION 	SCALE: 1:1 DO NOT SCALE DRAWING
	DIMENSIONS: mm	SHEET 2 OF 2