



E6 Hinge

Position control · Constant torque

- Holds in every position
- No adjustment required
- Long cycle life

Material and Finish

Large: Zinc alloy, black paint
 Medium: Aluminum alloy, black paint

Performance Details

Cycle performance: 20,000 cycles within ± 20% of static torque specification

Radial load:

Large:

Maximum static load: 200 N (45 lbf)

Average ultimate load: 11000 N (2470 lbf)

Medium:

Maximum static load: 155 N (35 lbf)

Average ultimate load: 3000 N (675 lbf)

Axial load:

Large:

Maximum static load: 200 N (45 lbf)

Average ultimate load: 2800 N (630 lbf)

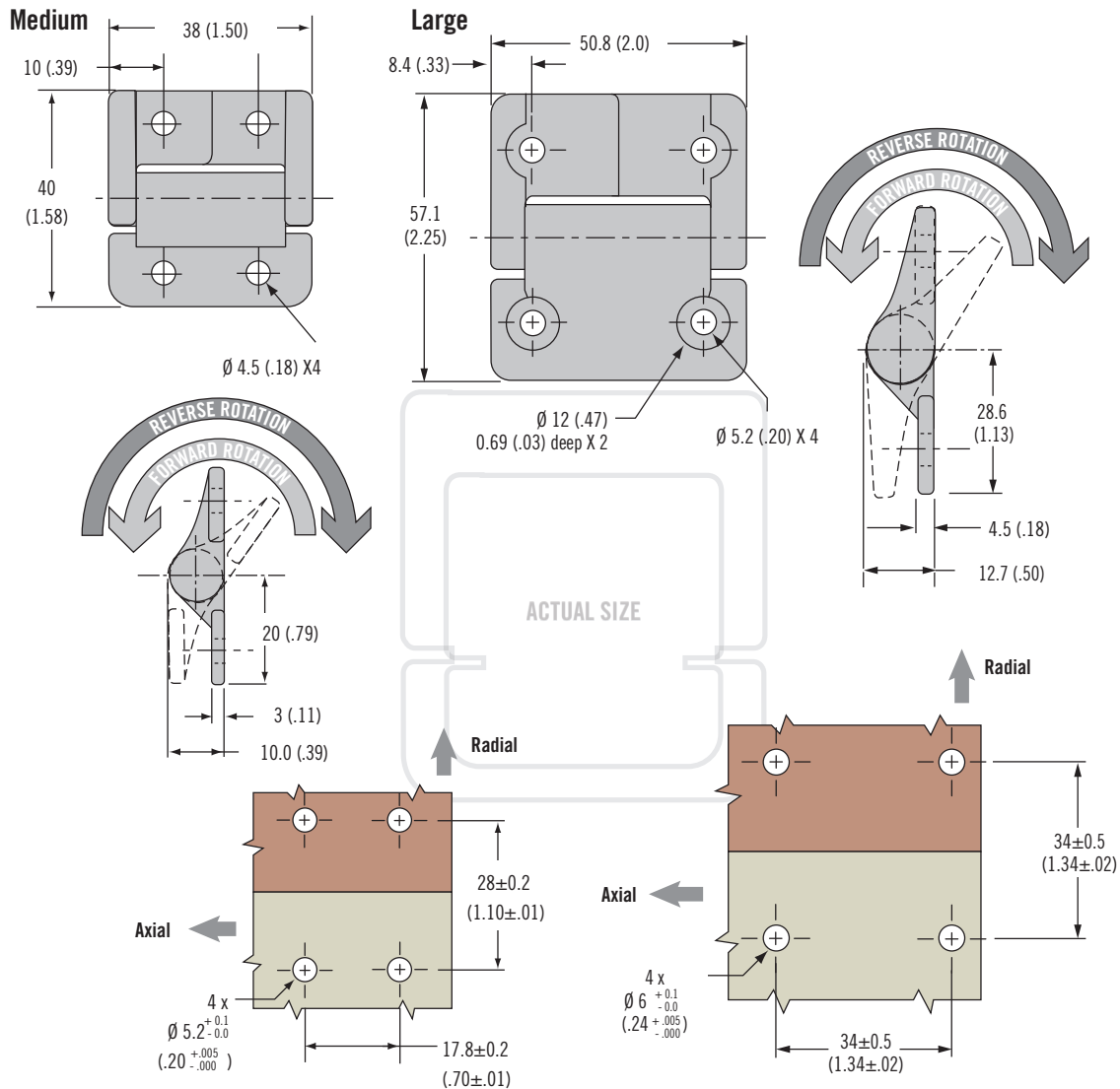
Medium:

Maximum static load: 155 N (35 lbf)

Average ultimate load: 1600 N (360 lbf)

Part Number

See table



Symmetric

Part Number	Symmetric Torque N·m (in·lbf)
E6-10-200-50	Free operating
E6-10-208-50	0.9 (8)
E6-10-212-50	1.4 (12)
E6-10-216-50	1.8 (16)
E6-10-220-50	2.3 (20)
E6-10-400-50	Free operating
E6-10-416-50	1.8 (16)
E6-10-420-50	2.3 (20)
E6-10-430-50	3.4 (30)

Asymmetric

Part Number	Forward Torque N·m (in·lbf)	Reverse torque N·m (in·lbf)
E6-10-212F-50	1.4 (12)	0.8 (7.2)
E6-10-216F-50	1.8 (16)	1.1 (9.6)
E6-10-220F-50	2.3 (20)	1.4 (12)
E6-10-224F-50	2.7 (24)	1.6 (14.4)
E6-10-212R-50	0.8 (7.2)	1.4 (12)
E6-10-216R-50	1.1 (9.6)	1.8 (16)
E6-10-220R-50	1.4 (12)	2.3 (20)
E6-10-224R-50	1.6 (14.4)	2.7 (24)
E6-10-420F-50	2.3 (20)	1.4 (12)
E6-10-430F-50	3.4 (30)	2.0 (18)
E6-10-440F-50	4.5 (40)	2.7 (24)
E6-10-420R-50	1.4 (12)	2.3 (20)
E6-10-430R-50	2.0 (18)	3.4 (30)
E6-10-440R-50	2.7 (24)	4.5 (40)