

E6 Hinge

Position control · Constant torque · Plastic

- Holds in every position
- No adjustment required
- Long cycle life
- Corrosion resistant
- Multiple mounting options
- Concealed mounting hardware

Material and Finish

40 Series: Nylon, black, stainless steel
 50 Series: Nylon, steel, anodized aluminum

Performance Details

Cycle performance
 20,000 cycles, see trade drawing for details

Radial load:

Max. static load: 80 N (45 lbf)

Average ultimate load: 1500 N (335 lbf)

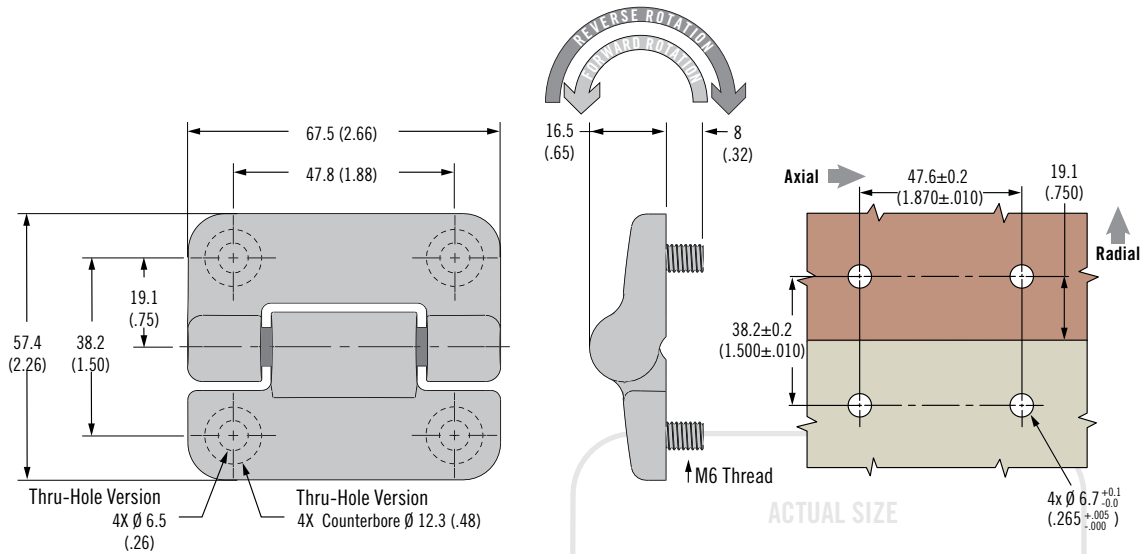
Axial load:

Max. static load: 80N (45 lbf)

Average ultimate load: 2500 N (560 lbf)

Part Number

See table



40 Series: Simplified torque mechanism providing a single, standard operating effort

Part Number		
Thru-Hole Mounting	Thread Stud Mounting	Symmetric Torque N•m (in•lbf)
E6-40-537S-20	E6-45-537S-20	4.18 (37)

50 Series: Constant torque mechanism providing customizable, precise operating efforts

Symmetric Torque Versions		
Part Number		Static Torque (forward and reverse) N•m (in•lbf)
Thru-Hole Mounting	Thread Stud Mounting	
E6-50-535S-XX	E6-55-535S-XX	3.95 (35)
E6-50-530S-XX	E6-55-530S-XX	3.39 (30)
E6-50-525S-XX	E6-55-525S-XX	2.82 (25)
E6-50-520S-XX	E6-55-520S-XX	2.26 (20)
E6-50-515S-XX	E6-55-515S-XX	1.69 (15)

XX	Color
20	Black
10	White

Asymmetric Torque Versions			
Part Number		Forward Torque N•m (in•lbf)	Reverse Torque N•m (in•lbf)
Thru-Hole Mounting	Thread Stud Mounting		
E6-50-540F-XX	E6-55-540F-XX	4.52 (40)	3.16 (28)
E6-50-535F-XX	E6-55-535F-XX	3.95 (35)	2.77 (24.5)
E6-50-530F-XX	E6-55-530F-XX	3.39 (30)	2.37 (21)
E6-50-525F-XX	E6-55-525F-XX	2.82 (25)	1.98 (17.5)
E6-50-520F-XX	E6-55-520F-XX	2.26 (20)	1.58 (14)
E6-50-515F-XX	E6-55-515F-XX	1.69 (15)	1.19 (10.5)
E6-50-540R-XX	E6-55-540R-XX	3.16 (28)	4.52 (40)
E6-50-535R-XX	E6-55-535R-XX	2.77 (24.5)	3.95 (35)
E6-50-530R-XX	E6-55-530R-XX	2.37 (21)	3.39 (30)
E6-50-525R-XX	E6-55-525R-XX	1.98 (17.5)	2.82 (25)
E6-50-520R-XX	E6-55-520R-XX	1.58 (14)	2.26 (20)
E6-50-515R-XX	E6-55-515R-XX	1.19 (10.5)	1.69 (15)

Other options available. For complete details on variety, part numbers, installation and specification, go to



www.southco.com/E6

Dimensions in millimeters (inch) unless otherwise stated