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ST-8P Hinge

Position control · Constant torque

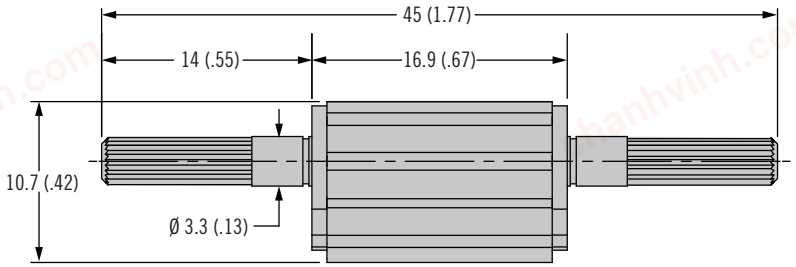
- **Designed for overmolding**
- **Brings constant torque performance to a wide range of applications**
- **Space efficient design provides high torque in minimum space**
- **Never requires adjustment**

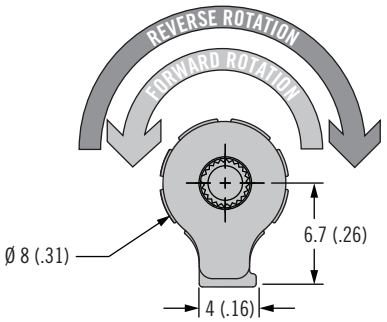
Material and Finish

Aluminum, plastic and hardened steel

Performance Details

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





ACTUAL SIZE

Part Number

See table

Symmetric Torque Versions	
Part Number	**Static Torque (Forward and Reverse) N•m (in•lbf)**
ST-8P-40SA-50	0.45 (4)
ST-8P-60SA-50	0.68 (6)
ST-8P-80SA-50	0.9 (8)

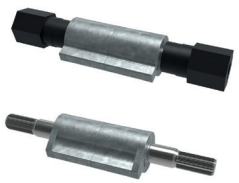
Asymmetric Torque Versions		
Part Number	**Static Torque N•m (in•lbf)**	
	Forward N•m (in•lbf)	**Reverse N•m (in•lbf)**
ST-8P-40FA-50	0.45 (4.0)	0.27 (2.4)
ST-8P-60FA-50	0.68 (6.0)	0.41 (3.6)
ST-8P-80FA-50	0.90 (8.0)	0.54 (4.8)
ST-8P-100FA-50	1.13 (10.0)	0.68 (6)
ST-8P-40RA-50	0.27 (2.4)	0.45 (4)
ST-8P-60RA-50	0.41 (3.6)	0.68 (6)
ST-8P-80RA-50	0.54 (4.8)	0.9 (8)
ST-8P-100RA-50	0.68 (6.0)	1.13 (10)

Dimensions in millimeters (inch) unless otherwise stated

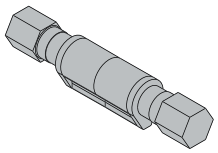
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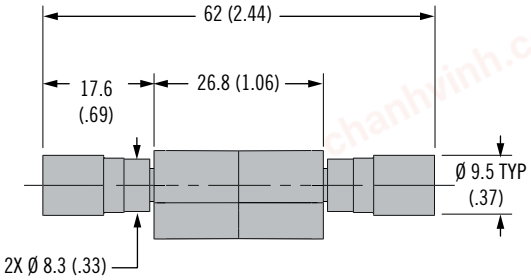
ST-11P2 Hinge

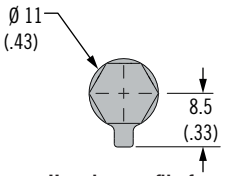
Position control · Constant torque



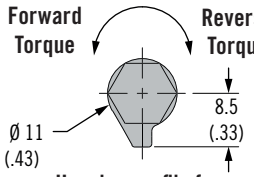
HEX SHAFT STYLE







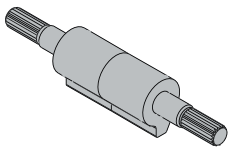
Housing profile for symmetric torque.

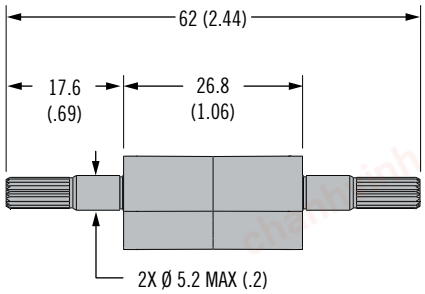


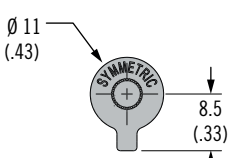
Housing profile for asymmetric torque.

ACTUAL SIZE

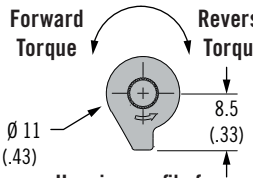
KNURLED SHAFT STYLE







Housing profile for symmetric torque.



Housing profile for asymmetric torque.

Symmetric Torque Versions		
Part Number	**Shaft Style**	**Static Torque N•m (in•lbf)**
ST-11P2-350SA-33	HEX	3.95 (35)
ST-11P2-300SA-33	KNURL	3.39 (30)
ST-11P2-250SA-33	KNURL	2.82 (25)
ST-11P2-200SA-33	KNURL	2.26 (20)
ST-11P2-150SA-33	KNURL	1.69 (15)

Asymmetric Torque Versions			
Part Number	**Shaft Style**	**Forward Torque N•m (in•lbf)**	**Reverse Torque N•m (in•lbf)**
ST-11P2-400FA-33	HEX	4.52 (40)	3.16 (28)
ST-11P2-350FA-33	HEX	3.95 (35)	2.77 (24.5)
ST-11P2-300FA-33	KNURL	3.39 (30)	2.37 (21)
ST-11P2-250FA-33	KNURL	2.82 (25)	1.98 (17.5)
ST-11P2-200FA-33	KNURL	2.26 (20)	1.58 (14)
ST-11P2-150FA-33	KNURL	1.69 (15)	1.19 (10.5)
ST-11P2-400RA-33	HEX	3.16 (28)	4.52 (40)
ST-11P2-350RA-33	HEX	2.77 (24.5)	3.95 (35)
ST-11P2-300RA-33	KNURL	2.37 (21)	3.39 (30)
ST-11P2-250RA-33	KNURL	1.98 (17.5)	2.82 (25)
ST-11P2-200RA-33	KNURL	1.58 (14)	2.26 (20)
ST-11P2-150RA-33	KNURL	1.19 (10.5)	1.69 (15)

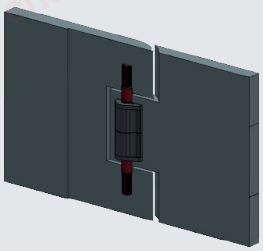
- **Designed for overmolding**
- **Brings constant torque performance to a wide range of applications**
- **Space efficient design provides high torque in minimum space**
- **Never requires adjustment**

Material and Finish

Zinc alloy and hardened steel

Performance Details

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



Part Number

See table