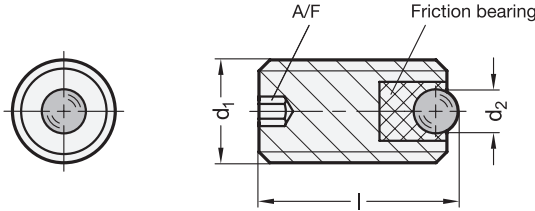


Metric



**SS** Stainless Steel

Metric table

Size	d <sub>1</sub>	Length l		d <sub>2</sub> Ball	A/F	Dimensions in: millimeters / inches	
						Load rating C <sub>0</sub>	Max. tightening torque in Nm
2	M 6	8 0.31	16 0.63	2.5 0.10	1.5	172 N 38.67 lbf	0.11
3	M 8	10 0.39	20 0.79	3.5 0.14	1.5	336 N 75.54 lbf	0.28
4	M 10	12 0.47	25 0.98	4.5 0.18	2	556 N 125 lbf	0.58
6	M 12	16 0.63	35 1.38	6.5 0.26	2.5	1161 N 261 lbf	1.44
8	M 16	20 0.79	50 1.97	8.5 0.33	3	1986 N 446 lbf	3.21

Specification

Housing

- Steel, blackened finish
- Stainless steel AISI 303

ST  
NI

Ball

- Steel AISI 52100, hardened (for ST)
- Stainless steel AISI 420C, hardened (for NI)

Friction bearing

- Plastic
- Operating temperature  
-58 °F to +194 °F (-50 °C to +90 °C)

RoHS

Ball transfer units GN 509.11 are used for building mechanisms and devices. The friction bearing of the ball ensures low-friction displacement and rotation of workpieces in any direction.

The position of the ball transfer units can be adjusted in the axial direction using the external thread.

see also...

	Page
GN 509.1 Heavy Duty Ball Transfer Units (Steel / Stainless Steel, with Flange)	QVX
GN 509.4 Heavy Duty Ball Transfer Units (Steel, without Flange)	QVX

Technical Information

Stainless Steel Characteristics	QVX
---------------------------------	-----

How to order

1	Size
2	Thread d <sub>1</sub>
3	Length l
4	Material

**GN 509.11-8-M16-20-ST**

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10