



1 Size	2 d <sub>1</sub>	3 Length l		d <sub>2</sub> Ball	A/F	Load C <sub>0</sub> in N	Max. tightening torque in Nm
2	M 6	8	16	2,5	1,5	172	0,11
3	M 8	10	20	3,5	1,5	336	0,28
4	M 10	12	25	4,5	2	556	0,58
6	M 12	16	35	6,5	2,5	1161	1,44
8	M 16	20	50	8,5	3	1986	3,21

**Specification**

**Housing**

- Steel, blackened
- 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 -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...

**GN 509.1** Ball Transfer Units (Housing Steel / Stainless Steel, with Collar) QVX

**GN 509.4** Ball Transfer Units (Housing Steel, without Collar) QVX

**Technical Information**

Stainless Steel Characteristics

Page  
QVX  
QVX  
QVX

How to order

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

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