



Metric



SS Stainless Steel

Metric table



Dimensions in: millimeters / inches

Size	d ₁ Ball	d ₂	d ₃	h ₁	h ₂	h ₃	Load rating C ₀
6	6.5 0.26	10 0.39	13 0.51	8 0.31	3.2 0.13	1.2 0.05	1161 N 261 lbf
8	8.5 0.33	12.6 0.50	17 0.67	7.9 0.31	4.5 0.18	1.8 0.07	1986 N 446 lbf

Specification



Housing

Stainless steel AISI 303

NI

Ball

Stainless steel AISI 420C, hardened

Friction bearing

Plastic

Operating temperature

-58 °F to +194 °F (-50 °C to +90 °C)

RoHS

Ball transfer units GN 509.10 are used for building mechanisms and devices. The friction bearing of the ball ensures low-friction displacement and rotation of workpieces in any direction.

A tolerance of H7 for the location hole of d₂ is recommended.

see also...

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

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