



1

Size	d ₁ Ball	d ₂ ±0,1	d ₃	h ₁	h ₂ ±0,3	h ₃ ±0,3	w Stroke	Load C in N	
								Dynamic	Static
22	22,2	39	50	58	18,6	14	4,6	750	800
30	30,1	48,5	62	70	24,5	17,5	7	1350	2400

Specification

Housing

- Steel, turned
- Blackened / zinc plated
- Not removable

2

3

S

Load ball

- Steel, plain finish
- Stainless steel AISI 420C

BL
NI

Spring

- Steel
- Hardened, ground

Bearing balls

- Steel, plain finish for load ball BL
- Stainless steel AISI 420C for load ball NI

Dust protection

Felt

RoHS

Technical Information

Overview of Types of Ball Transfer Units	QVX
Technical Instructions	QVX
Plastic Characteristics	QVX

Ball transfer units GN 509.7 are used in machine and device construction for such purposes as to move heavy loads in any direction without the need to exert high levels of force. The spring ensures even distribution of the load over multiple ball transfer units. This is necessary when the load centers of gravity are arranged asymmetrically or when the support surfaces are uneven. The roller bearing of the ball ensures reliable operation and a long service life.

The ball transfer units are inserted from above into a corresponding mounting hole and held by gravity. The load is transferred via the housing collar.

see also...

	Page
GN 509 Ball Transfer Units (Housing Steel Sheet Metal / Stainless Steel Sheet Metal, with Collar)	QVX
GN 509.1 Ball Transfer Units (Housing Steel / Stainless Steel, Solid, with Collar)	QVX
GN 509.4 Ball Transfer Units (Housing Steel, Solid, without Collar)	QVX
GN 509.5 Ball Transfer Units (Housing Steel, Solid, with Threaded Stud)	QVX
GN 509.6 Ball Transfer Units (Housing Steel, Solid, with Internal Thread)	QVX
GN 509.8 Ball Transfer Units (Housing Sheet Steel, with Mounting Flange)	QVX
GN 509.10 Ball Transfer Units (Housing Stainless Steel, Solid, Friction Bearing)	QVX

How to order

GN 509.7-22-S NI

1	Size
2	Material housing
3	Material load ball