

Ball Transfer Units

Housing Steel / Stainless Steel, with Threaded Stud

SPECIFICATION

Types

- Type **A**: Cylindrical
- Type **B**: With collar

Housing

- Steel, turned **S**
Zinc plated, blue passivated
- Stainless steel AISI 420C, turned **N**

Load ball

- For housing steel
 - Steel, plain finish **BL**
 - Stainless steel AISI 420C **NI**
 - Plastic, polyacetal (POM) **KU**
- For housing stainless steel
Stainless steel AISI 420C **NI**

Bearing balls

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



INFORMATION

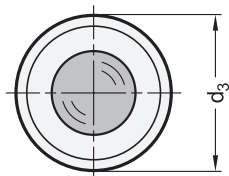
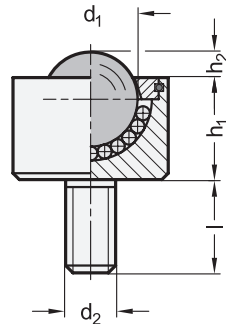
Ball transfer units GN 509.5 are used in machine and fixture construction, for example, to move heavy loads in any direction without great effort. The roller bearing of the ball ensures reliable operation and a long service life.

The ball transfer units feature a threaded stud on the bottom for fastening. The load is transferred via the housing base for type A and via the housing collar for type B.

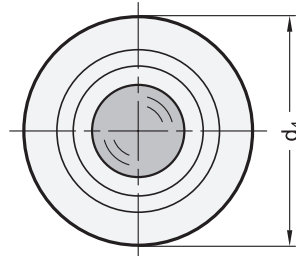
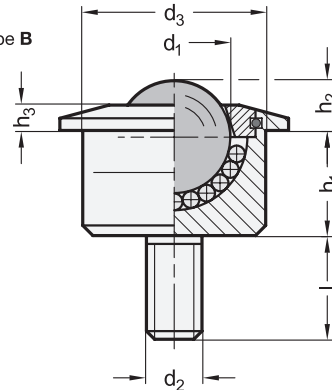
TECHNICAL INFORMATION

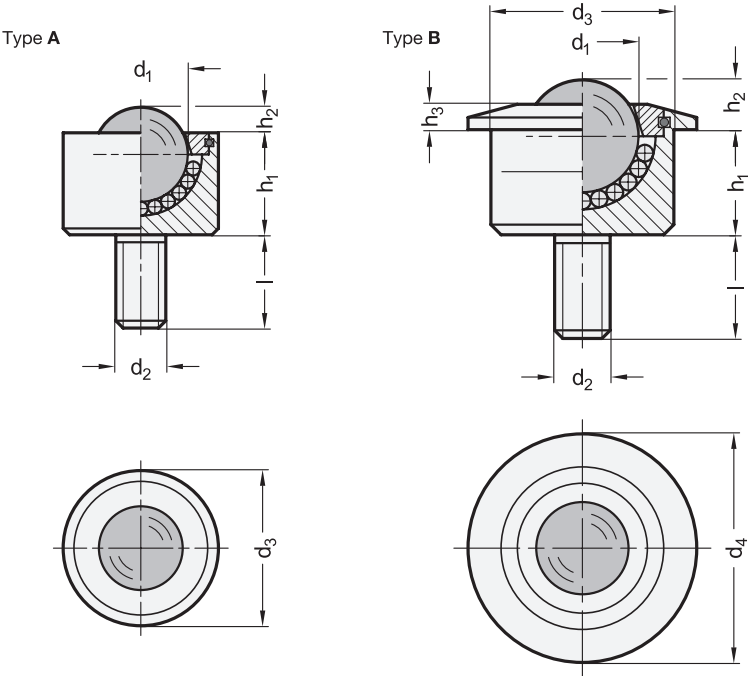
- Overview of Types of Ball Transfer Units (see page)
- Technical Instructions (see page)
- Plastic Characteristics (see page A2)

Type A



Type B





GN 509.5-S-A

Description	Size	d2	Length l	d1 Ball	d3 ±0.1	h1 ±0.3	h2 ±0.3	Load C in N	⚖
GN 509.5-8-SBL-A-M6-15	8	M 6	15	7.9	18	10	2	120	25
GN 509.5-8-SNI-A-M6-15	8	M 6	15	7.9	18	10	2	100	25
GN 509.5-8-SKU-A-M6-15	8	M 6	15	7.9	18	10	2	30	15
GN 509.5-12-SBL-A-M8-15	12	M 8	15	12.7	22	13.7	3.8	250	45
GN 509.5-12-SNI-A-M8-15	12	M 8	15	12.7	22	13.7	3.8	250	45
GN 509.5-12-SKU-A-M8-15	12	M 8	15	12.7	22	13.7	3.8	50	20
GN 509.5-15-SBL-A-M8-15	15	M 8	15	15.8	24	16	5	600	60
GN 509.5-15-SNI-A-M8-15	15	M 8	15	15.8	24	16	5	600	60
GN 509.5-15-SKU-A-M8-15	15	M 8	15	15.8	24	16	5	130	35

GN 509.5-S-B

Description	Size	d2	Length l	d1 Ball	d3 ±0.1	d4	h1 ±0.3	h2 ±0.3	h3	Load C in N	⚖
GN 509.5-15-SBL-B-M8-15	15	M 8	15	15.8	24	31	11.5	9.5	4.8	600	70
GN 509.5-15-SNI-B-M8-15	15	M 8	15	15.8	24	31	11.5	9.5	4.8	600	70
GN 509.5-15-SKU-B-M8-15	15	M 8	15	15.8	24	31	11.5	9.5	4.8	130	60

GN 509.5-N-A

STAINLESS STEEL

Description	Size	d2	Length l	d1 Ball	d3 ±0.1	h1 ±0.3	h2 ±0.3	Load C in N	⚖
GN 509.5-12-NNI-A-M8-15	12	M 8	15	12.7	22	13.7	3.8	200	20
GN 509.5-15-NNI-A-M8-15	15	M 8	15	15.8	24	16	5	400	35

GN 509.5-N-B

STAINLESS STEEL

Description	Size	d2	Length l	d1 Ball	d3 ±0.1	d4	h1 ±0.3	h2 ±0.3	h3	Load C in N	⚖
GN 509.5-15-NNI-B-M8-15	15	M 8	15	15.8	24	31	11.5	9.5	4.8	400	60

