



SEALING RING

Felt seal (only for dimensions d2 = 36).



STANDARD EXECUTIONS

- **GN 509.1-SBL:** Turned and zinc-plated steel housing. Natural steel balls.
- **GN 509.1-SNI:** Turned and zinc-plated steel housing. Stainless Steel AISI 420C balls.
- **GN 509.1-NNI:** stainless Steel AISI 420B housing or stainless steel AISI 303 (only for dimensions GN 509.1-15). Stainless Steel AISI 420C balls.



FEATURES AND APPLICATIONS

GN 509.1 ball transfer units are particularly suitable on conveyor tracks. They make linear or rotary movements easier even with heavy loads (see Technical Data on page 726).



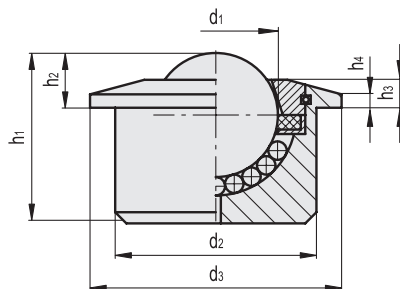
ACCESSORIES ON REQUEST

Spring rings GN 509.3 (see page 727) stainless steel spring rings allow an easy and quick assembly and removal of ball transfer units GN 509.1.



SPECIAL EXECUTIONS ON REQUEST

Polyamide based (PA) technopolymer balls.



GN 509.1-SBL

Code	Description	d1	d2 ±0.08	d3	h1 ±0.3	h2 ±0.3	h3 ±0.3	h4	Max. load carrying capacity [N]	⚖️
GN.23031	GN 509.1-12-SBL	12.7	22	27	17	8	4	3.2	200	35
GN.23036	GN 509.1-15-SBL	15.8	24	30	20	8.1	3.5	1	500	44
GN.23041	GN 509.1-22-SBL	22.2	36	45	30.5	9.8	5	2.4	1300	186
GN.23046	GN 509.1-30-SBL	30.1	45	55	36.8	13.8	7	4.5	2500	360
GN.23051	GN 509.1-45-SBL	44.4	62	75	53.5	19	9.5	5.5	6000	980
GN.23056	GN 509.1-60-SBL	60	100	117	77.5	30	15	10	13000	3840

GN 509.1-SNI

Code	Description	d1	d2 ±0.08	d3	h1 ±0.3	h2 ±0.3	h3 ±0.3	h4	Max. load carrying capacity [N]	⚖️
GN.23032	GN 509.1-12-SNI	12.7	22	27	17	8	4	3.2	150	42
GN.23037	GN 509.1-15-SNI	15.8	24	30	20	8.1	3.5	1	400	50
GN.23042	GN 509.1-22-SNI	22.2	36	45	30.5	9.8	5	2.4	1000	180
GN.23047	GN 509.1-30-SNI	30.1	45	55	36.8	13.8	7	4.5	2000	360
GN.23052	GN 509.1-45-SNI	44.4	62	75	53.5	19	9.5	5.5	4500	980
GN.23057	GN 509.1-60-SNI	60	100	117	77.5	30	15	10	10000	3840

GN 509.1-NNI

Code	Description	d1	d2 ±0.08	d3	h1 ±0.3	h2 ±0.3	h3 ±0.3	h4	Max. load carrying capacity [N]	⚖️
GN.23033	GN 509.1-12-NNI	12.7	22	27	17	8	4	3.2	150	35
GN.23038	GN 509.1-15-NNI	15.8	24	30	20	8.1	3.5	1	400	55
GN.23043	GN 509.1-22-NNI	22.2	36	45	30.5	9.8	5	2.4	1000	193
GN.23048	GN 509.1-30-NNI	30.1	45	55	36.8	13.8	7	4.5	2000	360
GN.23053	GN 509.1-45-NNI	44.4	62	75	53.5	19	9.5	5.5	4500	980
GN.23058	GN 509.1-60-NNI	60	100	117	77.5	30	15	10	10000	3840