

**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.

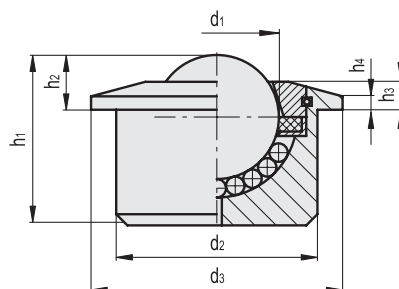
**SPECIAL EXECUTIONS ON REQUEST**

Polyamide based (PA) technopolymer balls.



Conversion Table
1 mm = 0.039 inch

d1	
mm	inch
12.7	0.50
15.8	0.62
22.2	0.87
30.1	1.19
44.4	1.73
60	2.36

**GN 509.1-SBL**

METRIC

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**INOX
STAINLESS
STEEL

METRIC

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**INOX
STAINLESS
STEEL

METRIC

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