



Size	$d_1$ Ball	$d_2 \pm 0,08$	$d_3$	$h_1 \pm 0,3$	$h_2 \pm 0,3$	$h_3 \pm 0,3$	$h_4$	Load C in N Type		
								SBL	SNI	NNI
12	12,7	22	27	17	8	4	3,2	200	150	150
15	15,8	24	30	20	8,1	3,5	1	500	400	400
22	22,2	36	45	30,5	9,8	5	2,4	1300	1000	1000
30	30,1	45	55	36,8	13,8	7	4,5	2500	2000	2000
45	44,4	62	75	53,5	19	9,5	5,5	6000	4500	4500
60	60	100	117	77,5	30	15	10	13000	10000	10000

**Specification**

- Housing steel **SBL**
  - Turned
  - Zinc plated, blue passivated
  - Ball Steel, plain
- Housing steel **SNI**
  - Turned
  - Zinc plated, blue passivated
  - Ball stainless steel 420C
- Housing stainless steel **NNI**
  - AISI 420B
  - AISI 303 (only size 15)
  - Ball stainless steel 420C
- *Stainless Steel Characteristics* → Page 2166
- RoHS

**On request**

- Plastic ball (Polyamide)

**Accessory**

- Spring Rings GN 509.3  
(Retainers for Ball Transfer Units)

→ Page 2020



**Information**

**SBL** Ball transfer units GN 509.1 are used on conveyer tracks. They assist a linear or rotary movement of heavy loads on a conveyer track.

see also...

- *Application Instructions for Ball Transfer Units* → Page 2017
- *Ball Transfer Units GN 509 (Steel Housing)* → Page 2016

How to order

**GN 509.1-30-SNI**

1	Size
2	Material / Finish