



SS Stainless Steel

Metric table



Dimensions in: millimeters - inches

Size	d ₁ Ball	d ₂ ±0.08	d ₃	h ₁ ±0.3	h ₂ ±0.3	h ₃ ±0.3	h ₄	Load rating C		
								Version SBL	SNI	NNI
12	12.7 0.50	22 0.87	27 1.06	17 0.67	8 0.31	4 0.16	3.2 0.13	200 N 44.96 lbf	150 N 33.72 lbf	150 N 33.72 lbf
15	15.8 0.62	24 0.94	30 1.18	20 0.79	8.1 0.32	3.5 0.14	1 0.04	500 N 112 lbf	400 N 89.92 lbf	400 N 89.92 lbf
22	22.2 0.87	36 1.42	45 1.77	30.5 1.20	9.8 0.39	5 0.20	2.4 0.09	1300 N 292 lbf	1000 N 225 lbf	1000 N 225 lbf
30	30.1 1.19	45 1.77	55 2.17	36.8 1.45	13.8 0.54	7 0.28	4.5 0.18	2500 N 562 lbf	2000 N 450 lbf	2000 N 450 lbf
45	44.4 1.75	62 2.44	75 2.95	53.5 2.11	19 0.75	9.5 0.37	5.5 0.22	6000 N 1349 lbf	4500 N 1012 lbf	4500 N 1012 lbf
60	60 2.36	100 3.94	117 4.61	77.5 3.05	30 1.18	15 0.59	10 0.39	13000 N 2923 lbf	10000 N 2248 lbf	10000 N 2248 lbf

Specification



<ul style="list-style-type: none"> Housing Steel - Turned - Zinc plated, blue passivated finish 	SBL
<ul style="list-style-type: none"> Ball Steel, plain finish 	
<ul style="list-style-type: none"> Housing Steel - Turned - Zinc plated, blue passivated finish 	SNI
<ul style="list-style-type: none"> Ball Stainless steel AISI 420 	
<ul style="list-style-type: none"> Housing Stainless steel - AISI 420B - AISI 303 (only size 15 mm) 	NNI
<ul style="list-style-type: none"> Ball Stainless steel AISI 420 	

• [Stainless Steel Characteristics](#) → page 2143

• [RoHS compliant](#)

Accessory

- Spring retainers GN 509.3 (mounting elements for ball transfer units)

On request

- Balls in plastic (polyamide)

Information

GN 509.1 heavy duty ball transfer units are typically used on conveyor tracks. They enable an effortless movement or rotation of even heavy loads in any direction.

see also...

- [More Information on Ball Transfer Units](#) → page 1979
- [Ball Transfer Units GN 509 \(Steel Sheet Housing\)](#) → page 1978

How to order

GN 509.1-30-SNI

1	Size
2	Material / Finish