

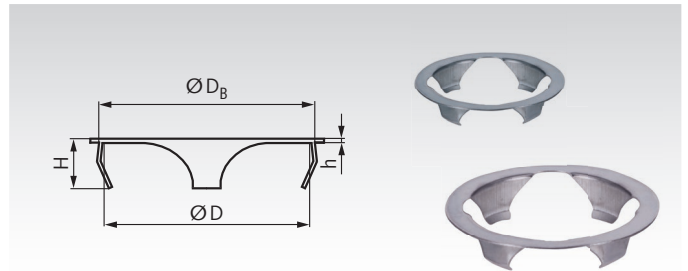
Fixing Clips for Ball Transfer Units

Material Standard: Spring band steel.

Material Stainless: Stainless Steel.



Matching to ball transfer units with flange and the same housing diameter D like the fixing clip. By using these clips, the fitting height increases 0.3mm.



Ordering Details: e.g.: Product No. 654 310 15, Fixing Clip D 24 mm

Product No. Standard	Product No. Stainless	D mm	D _B ¹⁾ mm	H mm	h mm	Weight g
654 391 24	654 392 24	24	25,0 - 25,5	7	0,3	0,5
654 391 36	654 392 36	36	37,0 - 37,5	7	0,3	0,8
654 391 45	654 392 45	45	46,0 - 46,5	7	0,3	1,0
654 391 62	-	62	63,0 - 63,5	7	0,3	1,5

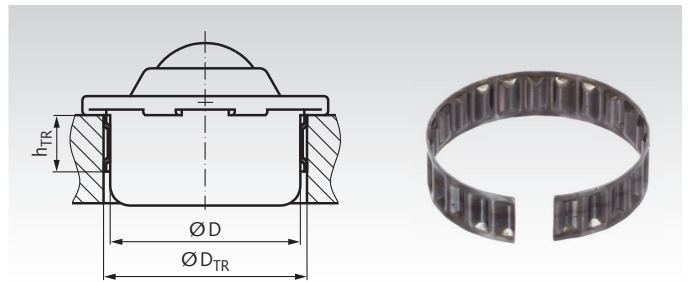
¹⁾ Seating bore.

Tolerance Rings for Ball Transfer Units with Steel-Sheet Housing

Material: Spring band steel.

Matching ball transfer units with the same housing diameter D like the tolerance ring.

The use of tolerance rings permits more generous tolerances in the mounting hole (dimension D_{TR}).



Ordering Details: e.g.: Product No. 654 390 08, Tolerance Ring D 12,6mm

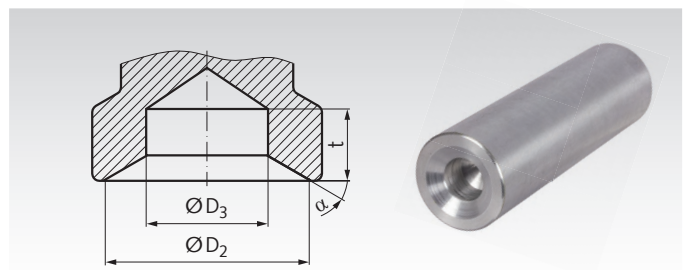
Product No.	Tolerance Ring Matching Ball Cups with Ø d _w mm	D mm	Mounting Dim. D _{TR} * mm	h _{TR} mm	Weight g
654 390 08	8	12,6	13,87 ^{+0,15}	6,1 ^{+0,2}	0,4
654 390 12	12	18	19,7 ^{+0,2}	6,1 ^{+0,2}	0,9
654 390 15	15	24	25,7 ^{+0,2}	7,1 ^{+0,2}	1,5
654 390 22	22	36	37,7 ^{+0,2}	12,1 ^{+0,2}	5,7
654 390 30	30	45	46,7 ^{+0,2}	12,1 ^{+0,2}	7,5
654 390 45	45	62	64,1 ^{+0,3}	15,1 ^{+0,2}	12,5

Assembly Plugs for Ball Transfer Units with Fastening Element

Material: Aluminium.

For ball transfer unit types 310 and 320 with fastening element.

Avoids damage to the upper, conical part of the housing.



Ordering Details: e.g.: Product No. 654 300 15, Assembly Plug for Ball Transfer Units 15 mm

Product No.	Ball Cup-Ø d _w mm	D ₂ mm	D ₃ mm	t _{min} mm	α °	Weight kg
654 300 15	15	29	17	10	30	0,34
654 300 22	22	43	24	10	20	0,46
654 300 30	30	53	30	10	24	0,63