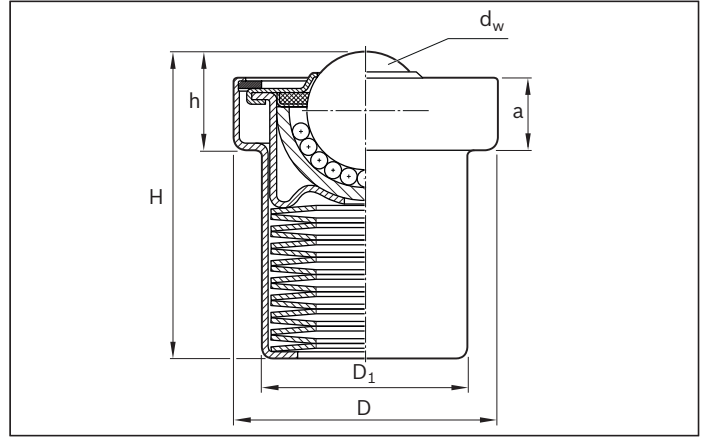
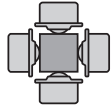


Ball Transfer Units, spring-loaded R0532 1.., R0532 2..



Version Spring-loaded. Ball Transfer Units are supported on springs and mounted under preload in a housing. Ball Transfer Unit recedes into its housing under high loads.	Size	Part number	 Pre-tensioning force (N) Ultimate load ¹⁾ (N)		Tolerance for preload and ultimate load (%)	Dimensions (mm)						Weight (kg)
			d _w	D		D ₁	h	H	a			
R0532 1.. KUF-B..TF-MFG Cover and housing galvanized. With cup springs. Balls made from antifriction bearing steel 1.3505. With felt seal.	22	R0532 122 10	730	860	+25 / -7.5	22.225	50 ± 0.100	38.8	18.6	58.1	13.6	0.30
	30	R0532 130 10	1 350	1 600	+15 / -7.5	30.162	62 ± 0.125	48.2	24.4	70.0	17.0	0.57
	45	R0532 145 10	2 280	2 770	+15 / -7.5	44.450	85 ± 0.150	66.2	35.6	100.5	24.2	1.60
R0532 1.. KUF-B..SF-MFG Cover and housing galvanized. With helical spring. Balls made from antifriction bearing steel 1.3505. With felt seal.	22	R0532 123 10	170	250	+15 / -7.5	22.225	50 ± 0.100	38.8	18.6	58.1	13.6	0.24
	22	R0532 125 10	116.6	195	+27.1 / -27.1	22.225	50 ± 0.100	38.8	18.6	58.1	13.6	0.24
R0532 2 KUF-C..TF-MFG All parts galvanized. With cup springs. Balls made from corrosion-resistant steel 1.3541 / 1.4034. With felt seal.	22	R0532 222 10	730	860	+25 / -7.5	22.225	50 ± 0.100	38.8	18.6	58.1	13.6	0.30
	30	R0532 230 10	1 350	1 600	+15 / -7.5	30.162	62 ± 0.125	48.2	24.4	70.0	17.0	0.57
	45	R0532 245 10	2 280	2 770	+15 / -7.5	44.450	85 ± 0.150	66.2	35.6	100.5	24.2	1.60

¹⁾ Under ultimate load the Ball Transfer Unit recedes completely.

Explanation of short product name

(Example: R0532 145 10 KUF-B45-TF-MFG)

KUF	B	45	TF	MFG
Ball Transfer Unit, spring-loaded	Cover and housing galvanized, balls made from antifriction bearing steel	Size	Cup spring	With felt seal, lubricated

Installation suggestions for secure fit

Size	Installation dimensions D_E (mm)					Part number Tolerance ring	With tolerance ring (TR)					Sticking in ³⁾				
	$D_2^{+0.5}$	D_E	$D_3^{+0.5}$	$b \pm 0.2$	$c + 1$		$D_2^{+0.5}$	D_E	$D_3^{+0.5}$	$b \pm 0.2$	$c + 0.2$	$D_2^{+0.5}$	$D_E^{+0.2}$	$D_3^{+0.5}$	$b \pm 0.2$	$c + 1$
22	50.1	49.90 ^{+0.05}	39.2	13.6	7	R0810 050 08 ²⁾	52.5	52.10 ^{+0.2}	39.2	13.6	11.1	50.4	50.2	39.2	13.6	7
30	62.2	61.85 ^{+0.05}	48.7	17.0	10	R0810 062 03 ²⁾	64.5	64.10 ^{+0.3}	48.7	17.0	15.1	62.4	62.2	48.7	17.0	10
45	85.2	84.83 ^{+0.07}	66.8	24.2	13	R0810 085 01 ²⁾	88.0	87.55 ^{+0.3}	66.8	24.2	19.1	85.4	85.2	66.8	24.2	13

²⁾ Made from spring hinge 1.1248 alternative 1.8159

³⁾ For small gap dimensions in metal, we recommend single-component acrylate adhesive. Two-component acrylate adhesives are also possible. The technical data sheets of the manufacturer must be observed.

Assembling the Ball Transfer Units with tolerance rings

