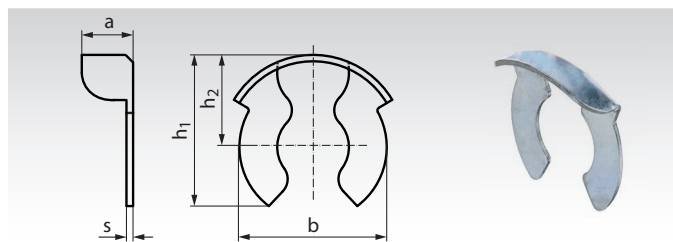


KL Retainers, Steel zinc-plated

Material: Spring steel, zinc-plated.

KL retainers are used to fix parts on shafts or bolts in axial direction. They can get mounted and dismounted very easily. They are intended for connections which must be disassembled more often. It is necessary to ensure that there is no unwanted strong contact to the retainer, because it is easily to remove.

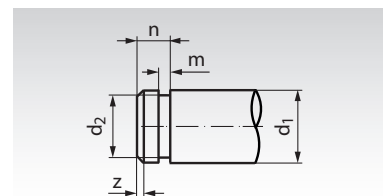


Ordering Details: e.g.: Product No. 637 800 01, KL Retainer Nominal Size 3mm

Product No.	Nominal Size	b mm	h ₁ mm	h ₂ mm	a mm	s mm	F _{ax} * kN	Weight g/100	Dimensions for bolts or shafts				
									d ₁ ^{h11} mm	d ₂ ^{h11} mm	m ^{+0,1} mm	n mm	z mm
637 800 01	3	4,3	5,0	3,0	2,0	0,4	1,1	4,9	3	2,3	0,64	1,5	0,5
637 801 01	4	6,5	7,0	4,3	2,7	0,4	1,5	10,9	4	3,2	0,64	2,0	0,5
637 803 01	5	7,5	8,7	5,2	2,8	0,5	3,0	19,5	5	4,0	0,74	2,5	0,5
637 805 01	6	10,4	11,5	6,8	3,5	0,5	4,9	33	6	5,0	0,74	3,0	0,75
637 807 01	8	11,5	12,1	7,2	4,1	0,5	5,5	41	8	6,0	0,94	3,5	1,0
637 809 01	10	15,6	16,3	9,5	5,9	0,6	9,5	90	10	8,0	1,05	4,5	1,0
637 811 01	12	16,7	18,0	10,5	6,1	0,6	10,7	110	12	9,0	1,15	5,0	1,25
637 813 01	14	19,0	20,0	11,5	6,5	0,7	12,7	158	14	10,0	1,25	5,5	1,5
637 815 01	16	22,7	23,5	13,8	7,8	0,8	14,0	228	16	12,0	1,35	6,0	1,5
637 817 01	24	34,5	34,0	20,0	9,0	1,0	**	617	20 - 25	16 - 18	1,80	8,0	1,5

* Max. transmittable force, static, on shafts with min. strength 500 N/mm².

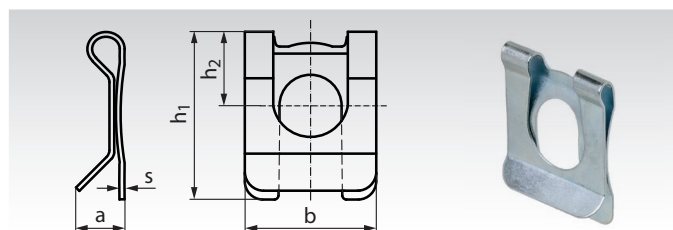
** Depending on the shaft diameter.



SL Retainers, Steel zinc-plated

Material: Spring steel, zinc-plated.

SL retainers are used to fix parts on shafts or bolts in axial direction. The large curvature results to a strong preload and eliminates tolerances for a snug fit. They are not so easy and quick to mount and to dismount like KL retainers, but the connection is much better secured against unwanted loosening.



Ordering Details: e.g.: Product No. 637 901 01, SL Retainer Nominal Size 4mm

Product No.	Nominal Size	b mm	h ₁ mm	h ₂ mm	a _≈ mm	s mm	F _{ax} * kN	Weight g/100	Dimensions for bolts or shafts				
									d ₁ ^{h11} mm	d ₂ ^{h11} mm	m ^{+0,1} mm	n mm	z mm
637 901 01	4	7	8,5	4,0	2,3	0,3	1,0	19	4	3,2	0,64	2,0	0,5
637 903 01	5	9	10,7	5,0	3,3	0,4	1,3	34	5	4	0,74	2,5	0,5
637 905 01	6	11	14,1	6,0	3,8	0,4	1,5	63	6	5	0,74	3,0	0,75
637 907 01	8	14	17,5	8,0	4,0	0,5	3,6	109	8	6	0,94	3,5	1,0
637 909 01	10	18	22,1	10,0	5,0	0,5	6,4	211	10	8	1,05	4,5	1,0
637 911 01	12	22	26,0	12,0	5,0	0,5	9,6	280	12	9	1,15	5,0	1,25
637 913 01	14	25	30,0	13,5	6,0	0,6	11,3	474	14	10	1,25	5,5	1,5
637 915 01	16	28	34,0	16,0	6,0	0,6	13,5	563	16	12	1,35	6,0	1,5

* Max. transmittable force, static, on shafts with min. strength 500 N/mm².

