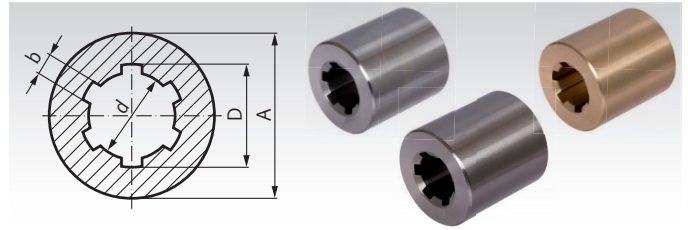


Splined Hubs - DIN ISO 14

Material: Steel C45Pb.
Red brass (CuSn7Zn4Pb7-C).
Stainless steel 1.4305 (AISI 303).

A/d up to size 18 x 22 = 0.15 mm, above 0.2 mm.



Ordering Details: e.g.: Product No. 64830200, Splined Hub DIN 14, KN 11 x 14

Product No. C45	Product No. Rg7	Product No. Stainless Steel	Profile Description mm	Number of keyways	Ø D ^{H11} mm	Ø d ^{H7} mm	b ^{D9} mm	DIN ISO 2768 m Ø A mm	DIN ISO 2768 m Length mm	Weight Steel kg	Weight Rg7 kg
648 302 00	648 352 00	648 993 02	KN 11 x 14	6	14	11	3	20	40	0,06	0,08
648 304 00	648 354 00	648 993 04	KN 13 x 16	6	16	13	3,5	28	45	0,16	0,18
648 305 00	648 355 00	648 993 05	KN 16 x 20	6	20	16	4	32	45	0,20	0,22
648 301 00	648 351 00	648 993 01	KN 18 x 22	6	22	18	5	40	50	0,27	0,3
648 306 00	648 356 00	648 993 06	KN 21 x 25	6	25	21	5	40	55	0,36	0,42
648 303 00	648 353 00	648 993 03	KN 23 x 28	6	28	23	6	50	55	0,47	0,54
648 307 00	648 357 00	648 993 07	KN 26 x 32	6	32	26	6	52	60	0,70	0,78
648 309 00	648 359 00	648 993 09	KN 28 x 34	6	34	28	7	60	60	0,76	0,87
648 308 00	648 358 00	648 993 08	KN 32 x 38	8	38	32	6	60	60	0,88	1,00
648 312 00	648 362 00	648 993 12	KN 36 x 42	8	42	36	7	70	65	1,08	1,23
648 310 00	648 360 00	648 993 10	KN 42 x 48	8	48	42	8	65	70	0,94	1,10
648 311 00	648 361 00	648 993 11	KN 42 x 48	8	48	42	8	80	70	1,88	2,16
648 314 00	648 364 00	648 993 14	KN 46 x 54	8	54	46	9	80	90	2,25	2,49

Clamp Collars for Spline Shafts - DIN ISO 14

Material: Steel C45, screw strength 12.9, zinc-plated.
Aluminium, screw stainless steel A2-70.

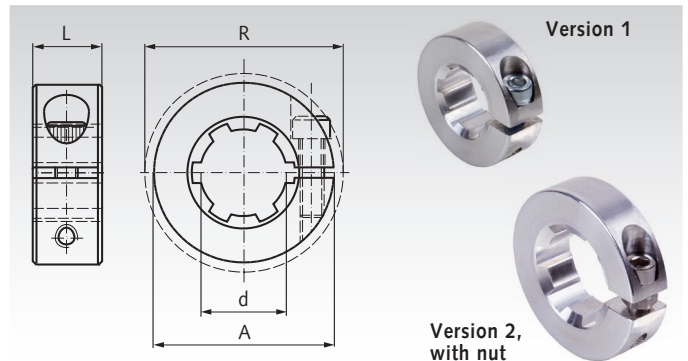
Single-split clamp collars, as end-stops on spline shafts.
These rings don't damage the shaft. The clamping force is much stronger than with set collars. They are easy to readjust.

Version 1: The thread of the screw DIN 912 is covered with a layer of polyamide.

Version 2: with additional nut, for adjusting the inner diameter and as lock nut.

Tolerance L: +0.08 mm
-0.25 mm

Temperature range: -40°C to +175°C.



Ordering Details: e.g.: Product No. 64867200, Clamp Collar, Steel, KN 11 x 14

Product No. Steel C45	Product No. Aluminium	Profile mm	Version Steel	Version Aluminium	A mm	d mm	L mm	R _{max.} mm	Screw DIN912	Nut sw* mm	Weight Steel g	Weight Alu g
648 672 00	648 622 00	KN 11 x 14	1	1	30	11	11	34,7	M4 x 12	-	46	17
648 674 00	648 624 00	KN 13 x 16	1	1	34	13	13	39,9	M5 x 14	-	70	25
648 675 00	648 625 00	KN 16 x 20	1	1	40	16	15	47,6	M6 x 16	-	110	42
648 671 00	648 621 00	KN 18 x 22	1	1	42	18	15	49,3	M6 x 16	-	118	43
648 676 00	648 626 00	KN 21 x 25	1	1	45	21	15	51,8	M6 x 16	-	124	46
648 673 00	648 623 00	KN 23 x 28	1	1	48	23	15	54,4	M6 x 18	-	144	51
648 677 00	648 627 00	KN 26 x 32	2	1	54	26	15	59,7	M6 x 18	10 /-	180	66
648 679 00	648 629 00	KN 28 x 34	2	2	57	28	15	62,3	M6 x 18	10	196	72
648 678 00	648 628 00	KN 32 x 38	2	2	60	32	15	66,0	M6 x 18	10	204	76
648 682 00	648 632 00	KN 36 x 42	2	2	73	36	19	80,4	M8 x 25	13	416	155
648 680 00	648 630 00	KN 42 x 48	2	2	78	42	19	85,7	M8 x 25	13	450	166

* width across flats of nut, only at version 2.

Choice of material

The aluminium version offers a high clamping force. But it has a rotating imbalance, caused by the single screw from heavier material. So, this version is suited for lower speed. At the steel version, the imbalance is much smaller and the clamping force is even higher. This version is proper for higher load, higher speed and high temperature. If highly loaded threadholes must be produced for adapting any components, you should also choose the steel version.

Note for Version 2

At the bigger sizes, due to tensions inside the material, it is necessary to adjust the inner diameter before mounting: Loosen the screw, turn it about half a round further out and hold it in this position. Turn the nut towards the head of the screw to enlarge the ring a little. Push the ring on the shaft, on the desired position. Loosen the nut. Tighten the bolt and then tighten the nut, as a lock nut.