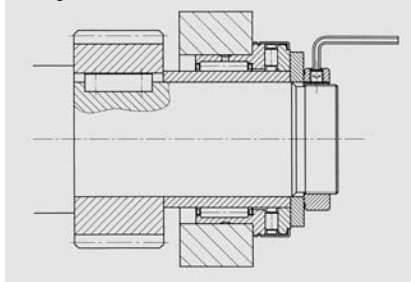




# LR NUT

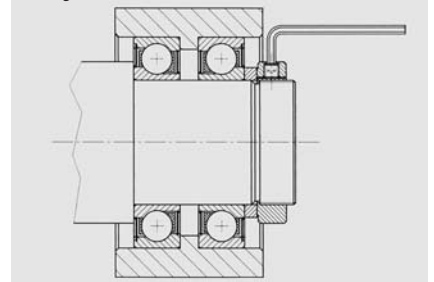
## 1 CLAMPING SPRING RADIAL LOCKING

Draving N° 1



Set up of a combination needle-bearing onto a drill press spindle.

Draving N° 2



Set up the preloading of angular contact bearings.

### CHARACTERISTICS

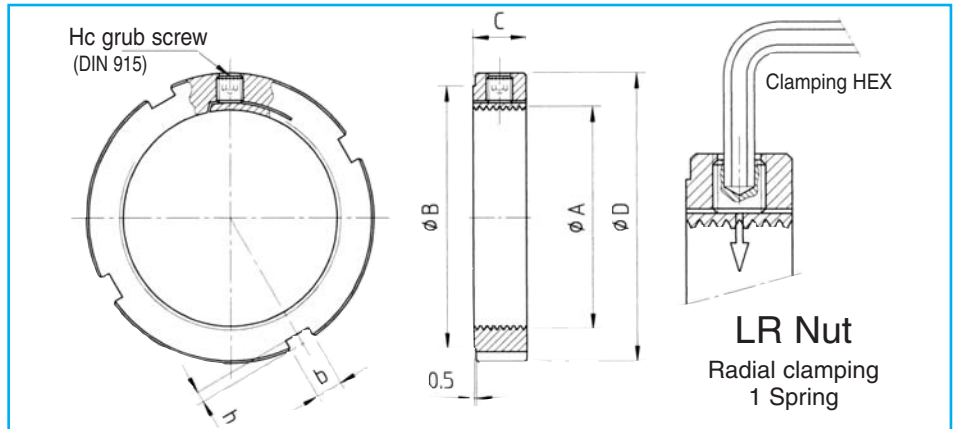
- LR nuts are used wherever a strong radial clamping is required.
- The radial strength activated by turning the Hc grub screw is applied onto the threaded spring.
- The contact surface perpendicular to the threaded side allows the adjusting and locking of all types of bearings as well as other mechanical elements requiring very precise tolerances.

### SPECIFICATIONS

- Material:**  
High elastic limit steel
- Peripheral notches:**  
4 at 90°
- IT 4  
To ensure squareness and minimum run-out of the SFERO nuts and rings, all threading and contact face machining operations are performed in one setting.
- Grub screw:**  
Hc type with dog-point tip 14.9
- Standard manufacturing:**
  - 4H class precision threading
  - right-hand thread
  - Fine-ground contact face
  - Marquing on the opposite side
  - Black oxide

### OPTIONS

- Other versions are also available upon request:**
  - Fine-ground threads
  - Left-hand thread
  - 2 twinned screws for increased locking torque
  - Other sizes
  - Other materials



Type	Thread A	Ø D	Ø B	C	b x h	Hc grub screw	Unlocking Torque in Nm*	Max Axial load in Newton	Weight in Kg
LR 1	12 x 1.00	24	19				23	28 500	0,030
LR 2	14 x 1.00	26	21				26	33 500	0,035
LR 3	15 x 1.00	30	25				29	40 500	0,045
LR 4	17 x 1.00	32	27		4 x 2		32	46 100	0,055
LR 5	18 x 1.00	32	27				37	49 000	0,055
LR 6	20 x 1.00	35	30				42	54 600	0,060
LR 7	22 x 1.50	35	30				47	56 600	0,060
LR 8	25 x 1.50	40	35				53	67 100	0,070
LR 9	30 x 1.50	45	40				59	81 100	0,085
LR 10	32 x 1.50	46	41	12	5 x 2	grub screw M 6	65	92 900	0,090
LR 11	35 x 1.50	50	45				75	98 000	0,095
LR 12	38 x 1.50	52	47				83	101 900	0,100
LR 13	40 x 1.50	55	49				94	104 000	0,100
LR 14	42 x 1.50	56	50				105	109 300	0,110
LR 15	45 x 1.50	60	54		6 x 2,5		118	119 200	0,120
LR 16	50 x 1.50	65	59				132	134 900	0,130
LR 17	52 x 1.50	67	61				147	140 400	0,130
LR 18	55 x 2.00	75	68				512	168 900	0,23
LR 19	60 x 2.00	80	73		7 x 3		532	184 600	0,25
LR 20	65 x 2.00	85	78				560	203 500	0,27
LR 21	70 x 2.00	90	82				587	219 500	0,28
LR 22	75 x 2.00	95	87		8 x 3,5		615	237 000	0,30
LR 23	80 x 2.00	105	97				650	255 400	0,42
LR 24	85 x 2.00	110	102				675	273 300	0,44
LR 25	90 x 2.00	115	106				713	292 300	0,46
LR 26	95 x 2.00	120	111	15	10 x 4	grub screw M 8	750	308 800	0,49
LR 27	100 x 2.00	125	116				790	325 300	0,51
LR 28	105 x 2.00	130	119				830	341 700	0,52
LR 29	110 x 2.00	135	124				870	358 200	0,55
LR 30	115 x 2.00	140	129		12 x 5		930	377 000	0,57
LR 31	120 x 2.00	145	134				960	394 000	0,59
LR 32	125 x 2.00	150	139				1040	413 800	0,62
LR 33	130 x 2.00	155	144				> 2000	434 400	0,65
LR 34	135 x 2.00	165	152				> 2000	677 000	1,10
LR 35	140 x 2.00	170	157	20	14 x 6	grub screw M 10	> 2000	704 400	1,13
LR 36	145 x 2.00	175	162				> 2000	729 800	1,15
LR 37	150 x 2.00	180	167				> 2000	757 400	1,20

\* Values obtained with Hc grub screws:

- M 6 screw - clamping torque 4.5 Nm
- M 8 screw - clamping torque 12 Nm
- M10 screw - clamping torque 26 Nm