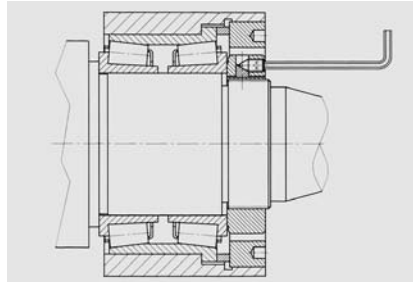




# LF NUT

## 1 CLAMPING SPRING FRONT LOCKING




Set up of taper roller bearing on a drill press spindle.

### CHARACTERISTICS

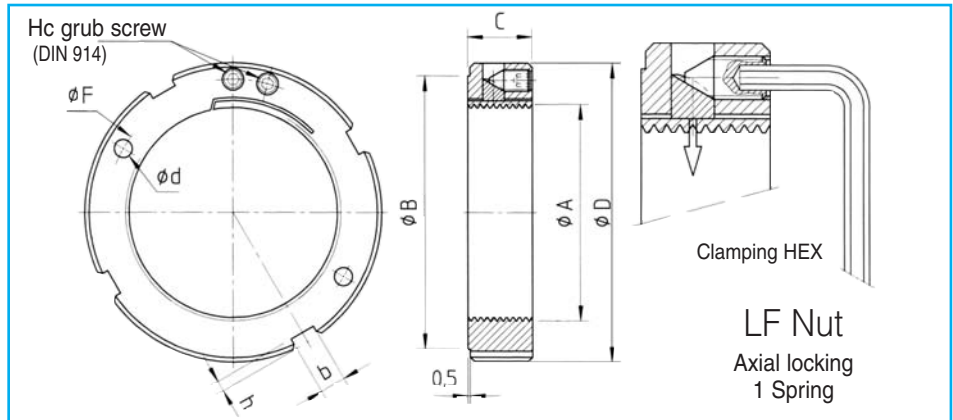
- LF nuts are used wherever a strong radial clamping is not possible.
- The axial strength activated by turning the front Hc grub screw is applied onto the threaded clamping spring through 90° wedges.
- The resulting radial strength applies onto the clamping spring. The clamping pressure applied onto the threaded surface of the spring allows for a powerful locking.
- The contact surface perpendicular to the threaded side allows the adjusting and securing of all types of bearings as well as other mechanical elements requiring very precise tolerances.
- In addition to the notches, the holes located on the front side allow an easy positioning of the nut by mean of a spanner wrench.

### 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.
- Screw:**  
Hc type set-screw with cone 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
  - Other sizes
  - Other materials



Type	Thread A	Ø D	Ø B	C	b x h	Ø F	Ø d	Hc grub screw	Unlocking Torque in Nm*	Max Axial load in Newton	Weight in Kg
LF 1	12 x 1.00	28	22			20		1	4	36 200	0,050
LF 2	14 x 1.00	30	25			22		grub screw	6	42 600	0,055
LF 3	15 x 1.00	31	26			23		M 4	6	51 500	0,060
LF 4	17 x 1.00	33	28		4 x 2	26	3,2		7	58 700	0,065
LF 5	18 x 1.00	34	29			26		2	9	55 400	0,070
LF 6	20 x 1.00	37	32			29		grub screws	10	61 800	0,080
LF 7	22 x 1.50	39	34			30		M 4	12	64 700	0,090
LF 8	25 x 1.50	43	38			33			15	80 200	0,100
LF 9	30 x 1.50	48	43			39			20	100 600	0,120
LF 10	32 x 1.50	50	45	15	5 x 2	41			24	113 500	0,125
LF 11	35 x 1.50	53	48			44			29	118 500	0,140
LF 12	38 x 1.50	56	51			47			35	124 500	0,145
LF 13	40 x 1.50	58	52			50			41	127 100	0,150
LF 14	42 x 1.50	62	56			52			45	131 300	0,175
LF 15	45 x 1.50	65	59		6 x 2,5	55	4,2	grub screws	55	143 400	0,185
LF 16	50 x 1.50	69	63			59		M 5	70	165 200	0,190
LF 17	52 x 1.50	72	66			62			85	171 900	0,215
LF 18	55 x 2.00	75	68			65			105	241 300	0,23
LF 19	60 x 2.00	80	73		7 x 3	72			130	263 800	0,33
LF 20	65 x 2.00	85	78			76			160	291 000	0,35
LF 21	70 x 2.00	90	82			81			200	313 900	0,36
LF 22	75 x 2.00	95	87		8 x 3,5	86			220	347 800	0,39
LF 23	80 x 2.00	105	97			93			240	371 300	0,55
LF 24	85 x 2.00	110	102			98			250	394 900	0,57
LF 25	90 x 2.00	115	106			104			265	422 500	0,60
LF 26	95 x 2.00	120	111	20	10 x 4	107			295	446 300	0,63
LF 27	100 x 2.00	125	116			114		2	325	470 200	0,65
LF 28	105 x 2.00	130	119			118	5,2	grub screws	365	494 000	0,68
LF 29	110 x 2.00	135	124			122		M 6	405	517 800	0,72
LF 30	115 x 2.00	140	129		12 x 5	127			450	545 000	0,75
LF 31	120 x 2.00	145	134			132			500	574 300	0,78
LF 32	125 x 2.00	150	139			137			560	598 500	0,80
LF 33	130 x 2.00	155	144			142			635	626 600	0,85
LF 34	135 x 2.00	165	152			150		2	680	723 300	1,15
LF 35	140 x 2.00	170	157	22	14 x 6	155	6,2	grub screws	1065	761 900	1,20
LF 36	145 x 2.00	175	162			160		M 8	1065	789 300	1,25
LF 37	150 x 2.00	180	167			165			1065	821 700	1,30

#### \* Values obtained with Hc clamping screws:

- M 4 screw - clamping torque 2 Nm
- M 5 screw - clamping torque 3 Nm
- M 6 screw - clamping torque 7 Nm
- M 8 screw - clamping torque 17.5 Nm