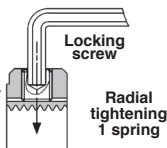


## LR Precise adjustment - Radial locking

- Material : steel (high elastic limit)
- Slots: 4 at 90° spacing
- Perpendicularity of bore surface:  $\perp$  face/A: 0.005
- Screw: flat-headed Hc class 14.9
- Standard finish:
  - Threads right handed, class 4H
  - Engraved on opposite face

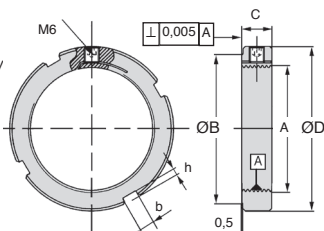
- Ground back face
- Blackened screws



Captive

### Uses

- The LR nut can be used anywhere radial locking is possible.
- The radial effort produced by tightening the grub screw is exerted on the flexible key. The developed surface of the key's edges allows a very powerful grip to be exerted.
- The back face, perpendicular to the thread allows a bearing or other mechanical parts to be adjusted and tightened to within precise tolerances



### Info

- The following values of tightening torque were obtained for different sized grub screws:
  - M6 screw torque 8Nm
  - M8 screw torque 18Nm
  - M10 screw torque 36Nm

### DISCOUNTS

Qty	1+	6+	20+
Disc.	Listr	-10%	On request

Part number	Thread A	ØD	ØB	C	b x h	Grub screw	Unlocking torque (Nm)*	Admissible axial load (N)	Weight (kg)	Stock*	Price each 1 to 5
LR-1	12x100	24	19	12	4 x 2	M6	23	28500	0,030	✓	56,76 €
LR-2	14x100	26	21	12	4 x 2	M6	26	33500	0,035	✓	61,41 €
LR-3	15x100	30	25	12	4 x 2	M6	29	40500	0,045	✓	68,96 €
LR-4	17x100	32	27	12	4 x 2	M6	32	46100	0,055	-	69,52 €
LR-5	18x100	32	27	12	4 x 2	M6	37	49000	0,550	✓	70,10 €
LR-6	20x100	35	30	12	4 x 2	M6	42	54600	0,060	✓	70,70 €
LR-7	22x150	35	30	12	4 x 2	M6	47	56600	0,060	✓	71,27 €
LR-8	25x150	40	35	12	5 x 2	M6	53	67100	0,070	✓	71,84 €
LR-9	30x150	45	40	12	5 x 2	M6	59	81100	0,085	✓	72,42 €
LR-10	32x150	46	41	12	5 x 2	M6	65	92900	0,090	-	78,81 €
LR-11	35x150	50	45	12	5 x 2	M6	75	101900	0,095	✓	84,01 €
LR-12	38x150	52	47	12	5 x 2	M6	83	98000	0,100	-	85,18 €
LR-13	40x150	55	49	12	6 x 2,5	M6	94	104000	0,100	✓	91,55 €
LR-14	42x150	56	50	12	6 x 2,5	M6	105	109300	0,110	✓	97,37 €
LR-15	45x150	60	54	12	6 x 2,5	M6	118	119200	0,120	-	99,10 €
LR-16	50x150	65	59	12	6 x 2,5	M6	132	134900	0,130	✓	100,84 €
LR-17	52x150	67	61	12	6 x 2,5	M6	147	140400	0,130	-	103,16 €

\*Depending of availability - Dimensions in mm

## Advantages

- Accurate and firm securing of bearing
- Avoids the need for lock washers and any risk of damage to seals
- Locks nuts without losing accuracy
- Can be re-used many times without loss of accuracy
- Can be used in harsh environments (temperature, vibration, etc...)

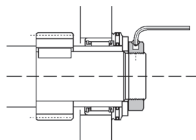
## Assembly

- Nuts and key rings assemble easily using standard hook spanners (DIN 1810) that fit into slots around the edge of the nut
- Nuts easily removed by loosening the locking screws on the keys

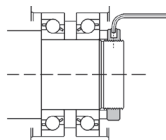
## Info.

- Loosening torque and axial load values are for static assemblies.

Values are given as an indication only and HPC cannot be held responsible for their accuracy



Adjustment of a needle bearing on a drill spindle.



Preload adjustment of oblique contact ball bearings.

## DISCOUNTS

Qty	1+	6+	20+
Disc.	Listr	-10%	On request

Part number	Thread A	ØD	ØB	C	b x h	Grub screw	Unlocking torque (Nm)*	Admissible axial load (N)	Weight (kg)	Stock*	Price each 1 to 5
LR-18	55x200	75	68	15	7x3,0	M8	512	168900	0,23	-	110,11 €
LR-19	60x200	80	73	15	7x3,0	M8	532	184600	0,25	-	112,45 €
LR-20	65x200	85	78	15	7x3,0	M8	560	203500	0,27	-	117,07 €
LR-21	70x200	90	82	15	8x3,5	M8	587	219500	0,28	✓	121,75 €
LR-22	75x200	95	87	15	8x3,5	M8	615	237000	0,30	-	128,70 €
LR-23	80x200	105	97	15	8x3,5	M8	650	255400	0,42	-	132,18 €
LR-24	85x200	110	102	15	8x3,5	M8	675	273300	0,44	-	133,93 €
LR-25	90x200	115	106	15	10x4,0	M8	713	292300	0,46	-	140,91 €
LR-26	95x200	120	111	15	10x4,0	M8	750	308800	0,49	-	141,48 €
LR-27	100x200	125	116	15	10x4,0	M8	790	325300	0,51	-	158,29 €
LR-28	105x200	130	119	15	12x5,0	M8	830	341700	0,52	-	161,19 €
LR-29	110x200	135	124	15	12x5,0	M8	870	358200	0,55	-	165,26 €
LR-30	115x200	140	129	15	12x5,0	M8	930	377000	0,57	-	177,45 €
LR-31	120x200	145	134	15	12x5,0	M8	960	394000	0,59	-	214,56 €
LR-33	130x200	155	144	15	12x5,0	M8	>2000	434400	0,65	-	247,67 €
LR-34	135x200	165	152	20	14x6,0	M10	>2000	677000	1,10	-	298,70 €
LR-35	140x200	170	157	20	14x6,0	M10	>2000	704400	1,13	-	308,60 €
LR-37	150x200	180	167	20	14x6,0	M10	>2000	757400	1,20	-	348,00 €

\* Depending of availability - Dimensions in mm

## Our other products



PSEC

Security pull handle,  
Thermoplastic



FTSN

Supported shaft for  
linear guide, Steel  
shaft / Aluminium  
support



PLA

Flat magnet, Flat  
magnet



RPP8

RPP heavy duty  
timing belt, RPP8



SLVHlok

Vertical toggle clamp,  
Vertical toggle clamp /  
horizontal foot



AKN

Bells coupling  
Gerwah®, from 22 to  
180Nm



BPHRF

Ball transfer unit  
housed spring loaded,  
High



BABPass

Hardened stainless  
steel ball pin with  
ring, With grip ring



KB\_WW

Closed linear  
precision bearing,  
Economy range



MHX

Hexagonal threaded  
sleeve, Hexagonal -  
stainless steel



WJUM10

Drylin® W bearing  
block, Slide



VPSS

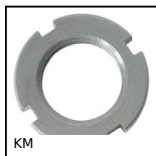
Small 6 lobe threaded  
handle - male,  
Duroplast - Stainless  
steel

## Complementary products



LF

Precision locknut,  
Precision locknut



KM

Bearing locknut,  
Locknut KM