

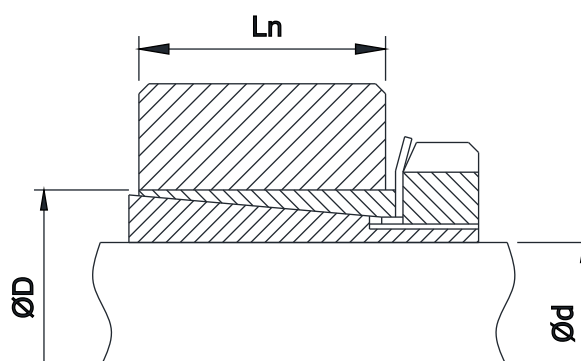
Locking Assembly - Model NLK 250



◆ Features :

- Four part Locking Assembly
- Torque Transmission Capacity: Medium
- Single Taper Design
- Not Self-Centering
- Self-Locking
- Slight displacement of Hub

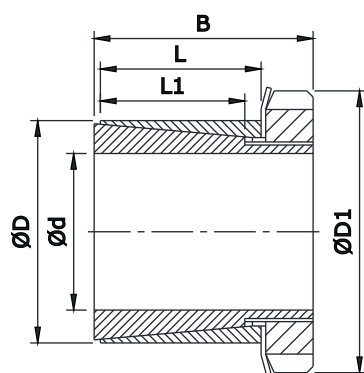
◆ Mounting Example:



◆ Tolerance & Surface finish:

- A good Surface finish by Machine tool is sufficient. Maximum allowable Surface finish $R_a \leq 3.2\mu\text{m}$
- Maximum Permissible Tolerance for Shaft is h8 & for Hub bore is H8.

Locking Assembly Model NLK 250



d = Inner diameter
 D = Outer diameter
 L1 = Overall width with screws
 L = Overall width without screws
 I = Clamping length
 S = Clamping thread
 Ma = Tightening torque of the screws
 Mt = Transmissible torque at given Ma
 P' = Surface pressure on shaft at given Ma
 P = Surface pressure on hub at given Ma
 Pax = Axial Thrust
 W = Weight

d x D mm	L1 mm	L mm	B mm	D1 mm	Transmissible	Axial	Surface Pressure on		Tightening Screws		Weight Kg
					Torque Nm (Mt)	Thrust KN (Pax)	Shaft N/mm2 P'	Hub N/mm2 P	DIN912 12.9 No. x size(s)	Tightening Torque Nm (Ma)	
15 x 25	6.5	9.5	16.5	32	38	5	159	95	KM 4	48	0.050
16 x 25	6.5	9.5	16.5	32	42	5	160	102	KM 4	50	0.048
19 x 30	6.5	10	18	38	60	6	160	101	KM 5	74	0.080
20 x 30	6.5	10	18	38	65	6	160	106	KM 5	78	0.070
24 x 35	6.5	10	18	45	95	8	160	109	KM 6	110	0.100
25 x 35	6.5	10	18	45	105	8	160	114	KM 6	120	0.090
30 x 40	7	10.5	19.5	52	160	10	160	120	KM 7	170	0.130
35 x 45	8	10.5	21.5	58	250	14	160	124	KM 8	250	0.170
36 x 45	8	10.5	21.5	58	260	14	160	128	KM 8	260	0.150
40 x 52	10	12.5	24.5	65	350	17	138	106	KM 9	460	0.240
45 x 57	10	12.5	25.5	70	420	18	132	104	KM 10	550	0.270
48 x 62	10	12.5	25.5	75	500	22	144	112	KM 11	700	0.320
50 x 62	10	12.5	25.5	75	560	22	138	112	KM 11	700	0.280
55 x 68	12	15	27.5	80	600	21	103	83	KM 12	770	0.360
56 x 68	12	15	27.5	80	610	21	101	83	KM 12	770	0.340
60 x 73	12	16.5	28.5	85	710	24	102	83	KM 13	880	0.390
63 x 79	14	17	30.5	92	870	28	97	77	KM 14	1100	0.560
56 x 79	14	17	30.5	92	900	28	94	77	KM 14	1100	0.520
70 x 84	14	17	31.5	98	1050	30	95	79	KM 15	1250	0.600

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