

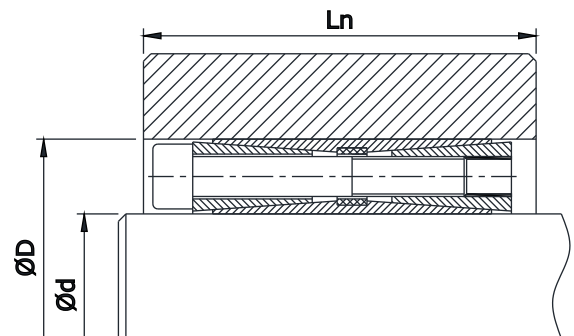
Locking Assembly - Model N7040, N7041, N7042



◆ Features :

- Five part Locking Assembly
- Torque Transmission Capacity: High
- Double Taper Design
- Self-Centering
- Self-Locking
- No displacement of Hub

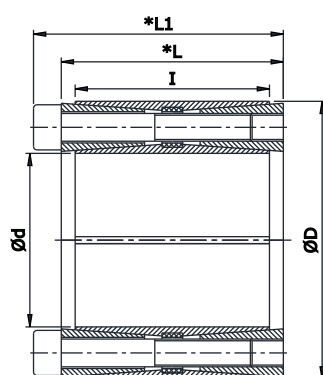
◆ Mounting Example:



◆ 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 N7040



d = Inner diameter
 D = Outer diameter
 L1 = Overall width with screws
 L = Overall width without screws
 I = Clamping length
 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	I mm	L mm	L1 mm	Transmissible Torque Nm (Mt)	Axial Thrust KN (Pax)	Surface Pressure on		Tightening Screws		Weight Kg (W)
						Shaft N/mm2 P'	Hub N/mm2 P	DIN912 12.9 No. x size(s)	Tightening Torque Nm (Ma)	
45 x 75	56	64	72	3356	150	160	97	8 x M8	41	1.3
48 x 80	56	64	72	3570	150	146	92	8 x M8	41	1.5
50 x 80	56	64	72	3705	150	143	92	8 x M8	41	1.4
55 x 85	56	64	72	4132	150	131	82	8 x M8	41	1.5
60 x 90	56	64	72	5645	184	150	97	10 x M8	41	1.5
65 x 95	56	64	72	6082	184	136	92	10 x M8	41	1.6
70 x 110	70	78	88	10354	294	164	101	10 x M10	83	3
75 x 115	70	78	88	11136	294	150	97	10 x M10	83	3.1
80 x 120	70	78	88	14186	356	169	111	12 x M10	83	3.5
85 x 125	70	78	88	15151	356	159	106	12 x M10	83	3.5
90 x 130	70	78	88	16029	357	152	102	12 x M10	83	3.8
95 x 135	70	78	88	16916	357	145	98	12 x M10	83	4
100 x 145	90	100	112	25824	516	154	106	12 x M12	145	6
110 x 155	90	100	112	28349	516	137	98	12 x M12	145	6.2
120 x 165	90	100	112	36106	603	148	108	14 x M12	145	6.8
130 x 180	104	116	130	45600	708	136	101	12 x M14	230	9.8
140 x 190	104	116	130	57276	827	152	111	14 x M14	230	10.2
150 x 200	104	116	130	70110	946	157	119	16 x M14	230	10.9
160 x 210	104	116	130	74832	944	147	112	16 x M14	230	11.5
170 x 225	134	146	162	96644	1149	133	103	14 x M16	355	17.2
180 x 235	134	146	162	117040	1314	143	109	16 x M16	355	18
190 x 250	134	146	162	123386	1313	134	105	16 x M16	355	21.5
200 x 260	134	146	162	129998	1313	130	99	16 x M16	355	22
220 x 285	134	146	162	178600	1642	147	114	20 x M16	355	25
240 x 305	134	146	162	213750	1805	147	114	22 x M16	355	27
260 x 325	134	146	162	231800	1805	147	109	22 x M16	355	30
280 x 355	165	177	197	354350	2563	138	114	20 x M20	690	46
300 x 375	165	177	197	418000	2813	147	119	22 x M20	690	50
320 x 405	165	177	197	446500	2813	138	109	22 x M20	690	60
340 x 425	165	177	197	516800	3072	143	114	24 x M20	690	65
360 x 455	190	202	224	625100	3504	133	105	22 x M22	930	89
380 x 475	190	202	224	779950	4147	152	124	26 x M22	930	93
400 x 495	190	202	224	820800	4147	143	114	26 x M22	930	98

Dimensions/Design subject to modifications without any prior intimation.

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