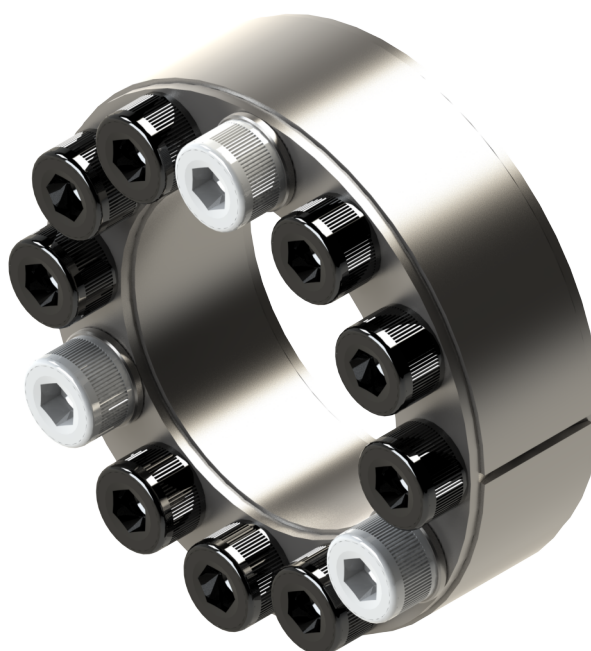


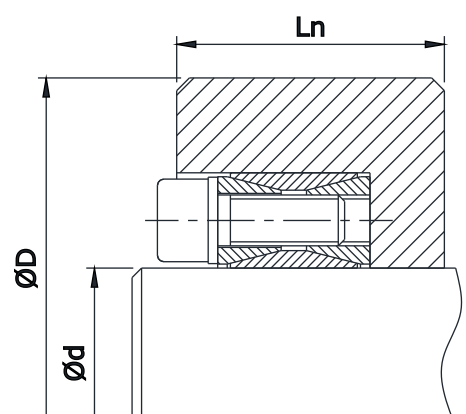
Locking Assembly - Model N 7012



◆ Features :

- Four part Locking Assembly
- Torque Transmission Capacity: Medium
- Double Taper Design
- Not Self-Centering
- Requires Centering Hub
- Self Releasing
- No displacement of Hub
- Easy Mounting & Removal
- Compact Design
- Hub length must be $L_n \geq 2l$

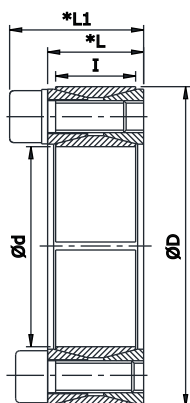
◆ Mounting Example:



◆ 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 h11 & for Hub bore is H11.

Locking Assembly Model N 7012



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	
20 x 47	17	20	27.5	321	32	251	107	8 x M6	17	0.24
22 x 47	17	20	27.5	351	32	227	106	8 x M6	17	0.23
24 x 50	17	20	27.5	429	36	232	112	9 x M6	17	0.26
25 x 50	17	20	27.5	446	36	223	111	9 x M6	17	0.25
28 x 55	17	20	27.5	496	35	197	100	9 x M6	17	0.3
30 x 55	17	20	27.5	529	35	183	100	9 x M6	17	0.29
32 x 60	17	20	27.5	749	47	228	122	12 x M6	17	0.34
35 x 60	17	20	27.5	815	47	208	121	12 x M6	17	0.32
38 x 65	17	20	27.5	1101	58	238	139	15 x M6	17	0.36
40 x 65	17	20	27.5	1154	58	225	139	15 x M6	17	0.34
42 x 75	20	24	33.5	1768	84	266	149	12 x M8	41	0.6
45 x 75	20	24	33.5	1886	84	247	148	12 x M8	41	0.57
48 x 80	20	24	33.5	2004	83	231	138	12 x M8	41	0.62
50 x 80	20	24	33.5	2082	83	221	138	12 x M8	41	0.6
55 x 85	20	24	33.5	2656	97	233	151	14 x M8	41	0.63
60 x 90	20	24	33.5	2881	96	212	142	14 x M8	41	0.69
65 x 95	20	24	33.5	3550	109	223	153	16 x M8	41	0.73
70 x 110	24	28	39.5	5432	155	245	156	14 x M10	83	1.26
75 x 115	24	28	39.5	5795	155	228	149	14 x M10	83	1.33
80 x 120	24	28	39.5	6156	154	213	142	14 x M10	83	1.4
85 x 125	24	28	39.5	7447	175	228	155	16 x M10	83	1.49
90 x 130	24	28	39.5	7857	175	214	148	16 x M10	83	1.53
95 x 135	24	28	39.5	9298	196	228	160	18 x M10	83	1.62
100 x 145	26	33	47	11126	223	227	157	14 x M12	145	2.01
110 x 155	26	33	47	12166	221	205	146	14 x M12	145	2.15
120 x 165	26	33	47	15085	251	214	155	16 x M12	145	2.35
130 x 180	34	38	52	20326	313	188	136	20 x M12	145	3.51
140 x 190	34	38	52	23967	342	191	141	22 x M12	145	3.85
150 x 200	34	38	52	27893	372	193	145	24 x M12	145	4.07
160 x 210	34	38	52	32102	401	196	149	26 x M12	145	4.3
170 x 225	38	44	60	39326	463	190	144	22 x M14	230	5.78
180 x 235	38	44	60	45262	503	195	149	24 x M14	230	6.05
190 x 250	46	52	68	55552	585	177	135	28 x M14	230	8.25
200 x 260	46	52	68	62452	625	175	135	30 x M14	230	8.65
220 x 285	50	56	74	79874	726	175	135	26 x M16	355	11.22
240 x 305	50	56	74	99995	833	184	145	30 x M16	355	12.2
260 x 325	50	56	74	122159	940	192	153	34 x M16	355	13.2
280 x 355	60	66	86.5	148773	1063	168	132	32 x M18	485	19.2
300 x 375	60	66	86.5	178553	1190	175	140	36 x M18	485	20.5
320 x 405	72	78	100.5	246382	1540	177	140	36 x M20	690	29.6
340 x 425	72	78	100.5	260791	1534	166	133	36 x M20	690	31.1
360 x 455	84	90	116	336729	1871	164	130	36 x M22	930	42.2
380 x 475	84	90	116	371687	1858	147	119	36 x M22	930	44
400 x 495	84	90	116	371687	1858	147	119	36 x M22	930	46
420 x 515	84	90	116	432315	2059	155	126	40 x M22	930	50
440 x 545	96	102	130	531403	2415	152	122	40 x M24	1200	64.6
460 x 565	96	102	130	554016	2409	145	118	40 x M24	1200	67.4
480 x 585	96	102	130	605396	2522	145	119	42 x M24	1200	71

Dimensions/Design subject to modifications without any prior intimation.

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