

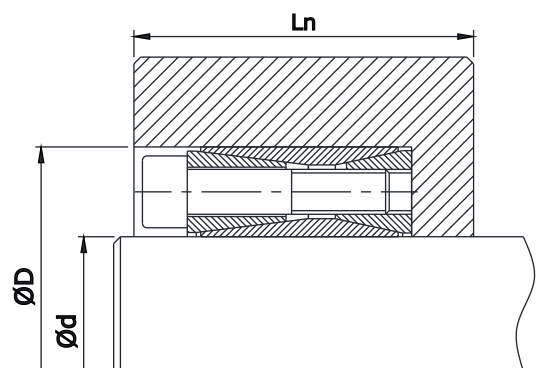
Locking Assembly - Model N7014



◆ Features :

- Four part Locking Assembly
- Torque Transmission Capacity: High
- Double Taper Design
- Self-Centering
- Self-Locking
- No displacement of Hub
- Easy Mounting
- Easy Removal

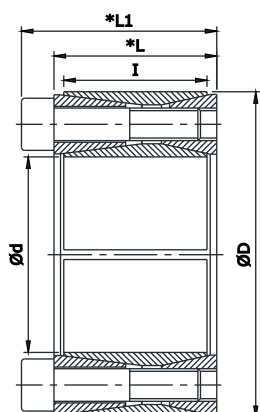
◆ Mounting Example:



◆ 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 h9 & for Hub bore is H9.

Locking Assembly Model N7014



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	I mm	L mm	L1 mm	Transmissible Torque Nm (Mt)	Axial Thrust KN (Pax)	Surface Pressure on		Tightening Screws DIN912 12.9 No. x size(s)	Tightening Torque Nm (Ma)	Weight Kg (W)
						Shaft N/mm ² P'	Hub N/mm ² P			
70 x 120	56	62	74	7124	204	208	122	8 x M12	145	3.3
80 x 130	56	62	74	12116	303	274	168	12 x M12	145	3.7
90 x 140	56	62	74	13520	301	243	156	12 x M12	145	4
100 x 160	74	80	94	20685	414	224	140	12 x M14	230	7.2
110 x 170	74	80	94	27930	508	254	165	14 x M14	230	7.7
120 x 180	74	80	94	30345	506	233	155	15 x M14	230	8.3
130 x 190	74	80	94	32760	504	215	147	15 x M14	230	8.8
140 x 200	74	80	94	42210	603	238	167	17 x M14	230	9.3
150 x 210	74	80	94	45045	601	223	159	18 x M14	230	10
160 x 230	88	94	110	67200	840	238	166	17 x M16	355	14.9
170 x 240	88	94	110	71190	838	225	160	18 x M16	355	15.7
180 x 250	88	94	110	87150	968	247	177	20 x M16	355	16.4
190 x 260	88	94	110	92400	972	234	171	21 x M16	355	17.2
200 x 270	88	94	110	110250	1103	254	188	23 x M16	355	18.8
220 x 300	110	116	134	129150	1174	198	146	21 x M18	485	27.7
240 x 320	110	116	134	160650	1339	208	155	24 x M18	485	29.8
260 x 340	110	116	134	195300	1503	215	165	26 x M18	485	32
280 x 370	130	136	156	241500	1725	202	152	24 x M20	690	46
300 x 390	130	136	156	257250	1715	188	145	24 x M20	690	49

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Dimensions/Design subject to modifications without any prior intimation.