

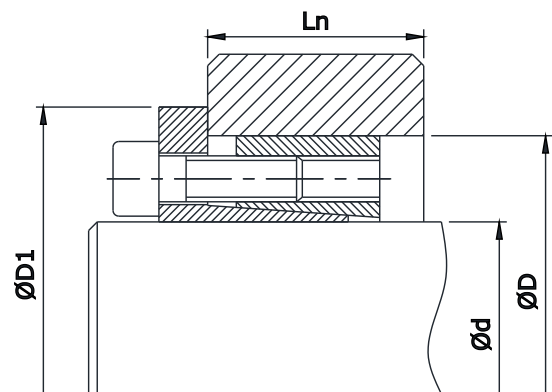
Locking Assembly - Model N 7033B



◆ Features :

- Two part Locking Assembly
- Torque Transmission Capacity: Low - Medium
- Bending Moment Capacity: Low - Medium
- Single Taper Design
- Self-Centering
- No displacement of Hub in N7033
- Easy Mounting & Removal

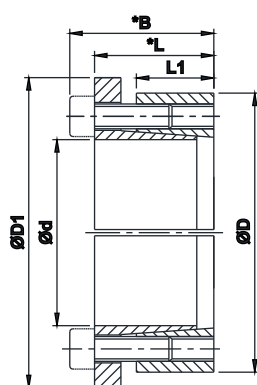
◆ Mounting Example:



◆ 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 h8 & for Hub bore is H8.

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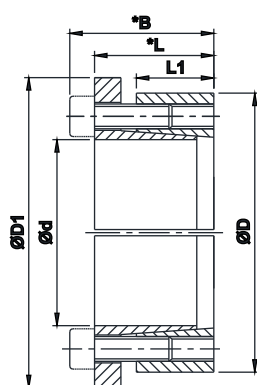


- d = Inner diameter
 D = Outer diameter
 L1 = Overall width with screws
 L = Overall width without screws
 l = Clamping length
 Ma = Tightening torque of the screws
 Mt = Transmissible torque at given Ma
 P' = Surface pressure on shaft at given Ma
 P = Surface pressure on hub at given Ma
 Pax = Axial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

d x D mm	L1 mm	L mm	B mm	D1 mm	Tightening Screws		Transmittong Torque Nm	Axial Thrust	Mbmax Nm	Surface pressure on		Weight kg
					DIN912 12.9 No.xsize(s)xLb	Tightening Torque Nm (Ma)				Shaft N/mm ² P'	Hub N/mm ² P	
20 x 47	17	28	34	56	5 x M6 x 25	17	265	26	88	213	90	0.29
22 x 47	17	28	34	56	5 x M6 x 25	17	294	26	98	193	90	0.28
24 x 50	17	28	34	59	5 x M6 x 25	17	323	26	108	177	85	0.31
25 x 50	17	28	34	59	6 x M6 x 25	17	402	32	137	204	102	0.30
28 x 55	17	28	34	64	6 x M6 x 25	17	451	32	157	182	93	0.36
30 x 55	17	28	34	64	6 x M6 x 25	17	490	32	167	170	93	0.34
32 x 60	17	28	34	69	8 x M6 x 25	17	696	43	235	213	114	0.42
35 x 60	17	28	34	69	8 x M6 x 25	17	755	43	265	194	114	0.39
38 x 65	17	28	34	74	8 x M6 x 25	17	823	43	284	179	105	0.44
40 x 65	17	28	34	74	8 x M6 x 25	17	862	43	304	170	105	0.43
42 x 75	20	33	41	84	7 x M8 x 30	41	1450	69	500	219	123	0.75
45 x 75	20	33	41	84	7 x M8 x 30	41	1548	69	539	204	123	0.70
48 x 80	20	33	41	89	7 x M8 x 30	41	1656	69	578	191	115	0.80
50 x 80	20	33	41	89	7 x M8 x 30	41	1725	69	598	183	115	0.76
55 x 85	20	33	41	94	8 x M8 x 30	41	2176	78	755	191	123	0.82
60 x 90	20	33	41	99	8 x M8 x 30	41	2372	78	823	174	117	0.88
63 x 95	20	33	41	104	9 x M8 x 30	41	2803	88	980	187	124	0.99
65 x 95	20	33	41	104	9 x M8 x 30	41	2891	88	1009	181	124	0.94
70 x 110	24	40	50	119	8 x M10 x 35	83	4488	127	1568	203	129	1.66
75 x 115	24	40	50	124	8 x M10 x 35	83	4802	127	1676	189	123	1.76
80 x 120	24	40	50	129	8 x M10 x 35	83	5125	127	1793	177	119	1.84
85 x 125	24	40	50	134	9 x M10 x 35	83	6125	144	2146	188	127	1.94
90 x 130	24	40	50	139	9 x M10 x 35	83	6488	144	2264	177	123	2.02
95 x 135	24	40	50	144	10 x M10 x 35	83	7615	157	2666	186	131	2.13
100 x 145	26	44	56	154	8 x M12 x 40	145	9486	189	3322	194	133	2.78
110 x 155	26	44	56	164	8 x M12 x 40	145	10388	189	3646	176	125	3.00
120 x 165	26	44	56	174	9 x M12 x 40	145	12740	214	4479	181	132	3.24
130 x 180	33	52	64	189	12 x M12 x 45	145	18424	284	6478	176	127	4.62
140 x 190	33	54	68	199	9 x M14 x 50	230	20384	291	7144	168	123	5.22
150 x 200	33	54	68	209	10 x M14 x 50	230	24304	323	8506	173	130	5.52
160 x 210	33	54	68	219	11 x M14 x 50	230	28518	356	9898	179	136	5.82

Dimensions/Design subject to modifications without any prior intimation.

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					DIN912 12.9 No.xsize(s)xLb	Tightening Torque Nm (Ma)				Shaft N/mm ² P'	Hub N/mm ² P	
170 x 225	44	65	79	234	12 x M14 x 60	230	33026	388	11564	138	104	8.14
180 x 235	44	65	79	244	12 x M14 x 60	230	34986	388	12250	130	100	8.58
190 x 250	44	65	79	259	15 x M14 x 60	230	46158	486	16072	154	118	9.82
200 x 260	44	65	79	269	15 x M14 x 60	230	48608	486	16954	147	113	10.30
220 x 285	50	74	90	294	12 x M16 x 65	355	58408	531	20384	128	99	14.02
240 x 305	50	74	90	314	15 x M16 x 65	355	79674	663	27832	147	116	15.12
260 x 325	50	74	90	334	18 x M16 x 65	355	102960	793	35978	162	130	16.18
280 x 355	60	88	106	364	16 x M18 x 80	485	118073	843	41340	134	105	24.75
300 x 375	60	88	106	384	18 x M18 x 80	485	142350	949	49823	140	112	25.50
320 x 405	74	105	125	414	18 x M20 x 95	690	197145	1232	69030	138	109	37.94
340 x 425	74	105	125	434	21 x M20 x 95	690	244433	1438	85508	152	121	38.28
360 x 455	86	120	142	464	18 x M22 x 110	930	272318	1512	95258	130	102	53.30
380 x 475	86	120	142	484	21 x M22 x 110	930	335400	1765	117390	143	115	57.55
400 x 495	86	120	142	504	21 x M22 x 110	930	353048	1765	123533	137	110	60.25
420 x 515	86	120	142	524	21 x M22 x 110	930	370695	1765	129675	130	105	62.94
440 x 535	86	120	142	544	21 x M22 x 110	930	388343	1765	135915	124	101	65.62
460 x 555	86	120	142	564	22 x M22 x 110	930	425295	1849	148785	124	102	68.30
480 x 575	86	120	142	584	24 x M22 x 110	930	484185	2017	169455	130	108	71.00
500 x 595	86	120	142	604	24 x M22 x 110	930	504270	2017	176475	125	104	73.70

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