

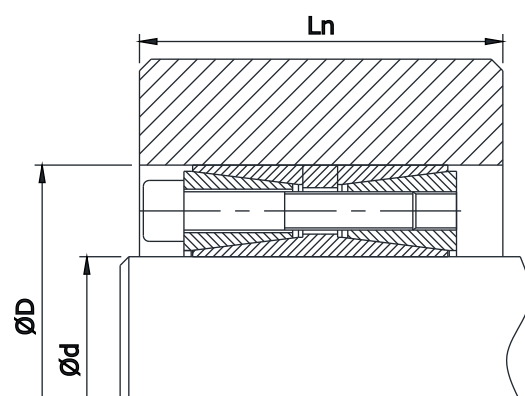
Locking Assembly - Model N7015.0 & N7015.1



◆ Features :

- Five part Locking Assembly
- Torque Transmission Capacity: High
- Bending Moment Capacity: Very High (for N7015.0)
(Refer NMTG Conveyor Pulley Catalogue)
- Double Taper Design
- Self-Centering
- No displacement of Hub
- Hub length must be $L_n \geq L_1 + (L_1 - L)$

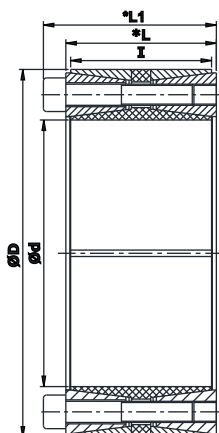
◆ Mounting Example:



◆ Tolerance & Surface finish:

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

Locking Assembly Model N 7015.0



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	I	L	L1	Transmissible Torque Nm	Axial Thrust KN	Surface Pressure on		Tightening Screws	Nos. of Releasing Threads	Weight Kg	
mm	mm	mm	mm	(Mt)	(Pax)	Shaft N/mm2 P'	Hub N/mm2 P	DIN912 12.9 No. x size(s)			Tightening Torque Nm (Ma)
100 x 145	60	65	77	14244	285	198	136	10 x M12	145	2 x 3	4.1
110 x 155	60	65	77	15668	285	180	127	10 x M12	145	2 x 3	4.4
120 x 165	60	65	77	20511	342	198	144	12 x M12	145	2 x 3	4.8
130 x 180	68	74	86	27775	427	197	142	15 x M12	145	2 x 3	6.5
140 x 190	68	74	86	35894	513	220	162	18 x M12	145	2 x 3	7
150 x 200	68	74	86	38458	513	205	154	18 x M12	145	2 x 3	7.4
160 x 210	68	74	86	47858	598	224	171	21 x M12	145	2 x 3	7.8
170 x 225	75	81	95	59620	701	222	168	18 x M14	230	2 x 3	10
180 x 235	75	81	95	63127	701	210	161	18 x M14	230	2 x 3	10.6
190 x 250	88	94	108	74038	779	186	141	20 x M14	230	2 x 4	14.3
200 x 260	88	94	108	93522	935	211	163	24 x M14	230	2 x 4	15
220 x 285	98	104	120	105616	960	189	146	18 x M16	355	2 x 4	19.8
240 x 305	98	104	120	153624	1280	231	182	24 x M16	355	2 x 4	21.4
260 x 325	98	104	120	173360	1334	222	178	25 x M16	355	2 x 5	23
280 x 355	120	126	144	216499	1546	200	158	24 x M18	485	2 x 4	35.2
300 x 375	120	126	144	241629	1611	195	156	25 x M18	485	2 x 5	37.4
320 x 405	135	142	162	333337	2083	199	157	25 x M20	690	2 x 5	51.3
340 x 425	135	142	162	354170	2083	187	150	25 x M20	690	2 x 5	54.1
360 x 455	158	165	187	463312	2574	186	147	25 x M22	930	2 x 5	75.4
380 x 475	158	165	187	489052	2574	176	141	25 x M22	930	2 x 5	79
400 x 495	158	165	187	514791	2574	167	135	25 x M22	930	2 x 5	82.8
420 x 515	158	165	187	648637	3089	191	156	30 x M22	930	2 x 5	86.5
440 x 545	172	180	204	799628	3635	192	155	30 x M24	1200	2 x 5	110
460 x 565	172	180	204	835974	3635	184	150	30 x M24	1200	2 x 5	114
480 x 585	172	180	204	930476	3877	188	154	32 x M24	1200	2 x 5	119

Dimensions/Design subject to modifications without any prior intimation.

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