Locking Assemblies

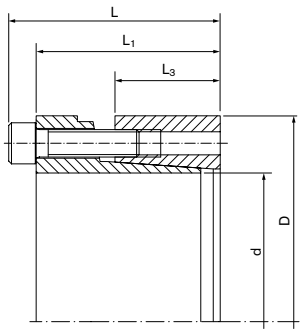
RINGFEDER® RfN 7004

Extended version of the RfN 7003



self-centering | without axial displacement | with low surface pressure

Dimensions



Locking Assembly dimensions							Transmissible torques or axial forces		Surface pressure		Locking screws		
									Shaft	Hub			
d	d	x	D	L	L_1	L_3	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A
inch	inch			inch			ft-lbs	lbs	psi				ft-lbs
0.750	3/4	x	1.850	1.772	1.535	1.024	388	12478	43195	17460	6	6	13
0.875	7/8	x	1.850	1.772	1.535	1.024	450	12478	37305	17462	6	6	13
1.000	1	x	1.969	1.772	1.535	1.024	511	12478	32825	16414	6	6	13
1.125	1 1/8	x	2.165	1.772	1.535	1.024	573	12478	29312	14922	6	6	13
1.188	1 3/16	x	2.165	1.772	1.535	1.024	614	12478	27358	14922	6	6	13
1.250	1 1/4	x	2.362	1.772	1.535	1.024	873	16638	34197	18238	8	6	13
1.375	1 3/8	x	2.362	1.772	1.535	1.024	955	16638	31266	18238	8	6	13
1.438	1 7/16	x	2.559	1.772	1.535	1.024	1037	16638	28798	16835	8	6	13
1.500	1 1/2	x	2.559	1.772	1.535	1.024	1091	16638	27358	16835	8	6	13
1.625	1 5/8	x	2.953	2.165	1.850	1.181	1563	22691	30795	17245	6	8	30
1.750	1 3/4	x	2.953	2.165	1.850	1.181	1675	22691	28742	17245	6	8	30
1.875	1 7/8	x	2.953	2.165	1.850	1.181	2382	30255	35928	21557	6	8	30
1.938	1 15/16	x	3.150	2.165	1.850	1.181	2481	30255	34491	21557	8	8	30
2.000	2	x	3.150	2.165	1.850	1.181	2521	30255	33948	21554	8	8	30
2.125	2 1/8	x	3.346	2.165	1.850	1.181	2678	30255	31951	20291	8	8	30
2.188	2 3/16	x	3.346	2.165	1.850	1.181	2729	30255	31355	20288	8	8	30
2.250	2 1/4	x	3.543	2.165	1.850	1.181	2836	30255	30176	19161	8	8	30
2.375	2 3/8	x	3.543	2.165	1.850	1.181	2977	30255	38742	19161	8	8	30
2.438	2 7/16	x	3.740	2.165	1.850	1.181	3073	30255	27849	18153	8	8	30
2.500	2 1/2	x	3.740	2.165	1.850	1.181	3151	30255	27158	18153	8	8	30
2.563	2 9/16	x	3.740	2.165	1.850	1.181	3226	30255	26531	18153	8	8	30
2.688	2 11/16	x	4.331	2.638	2.244	1.575	5480	48928	30636	19015	8	10	61
2.750	2 3/4	x	4.331	2.638	2.244	1.575	5618	48928	29882	19015	8	10	61
2.875	2 7/8	x	4.528	2.835	2.441	1.575	5861	48928	28644	18189	8	10	61
2.938	2 15/16	x	4.528	2.835	2.441	1.575	6019	48928	27889	18189	8	10	61
3.000	3	x	4.724	2.835	2.441	1.575	7645	61161	34313	21790	8	10	61

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Locking Assemblies RINGFEDER® RfN 7004

Locking Assembly dimensions							Transmissible torques or axial forces		Surface pressure		Locking screws		
									Shaft	Hub			
d	d	x	D	L	L_1	L_3	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A
inch	inch			inch			ft-lbs	lbs	psi				ft-lbs
3.250	3 1/4	x	4.921	2.835	2.441	1.575	8282	61161	31673	20917	10	10	61
3.375	3 3/8	x	4.921	2.835	2.441	1.575	8528	61161	30760	20917	10	10	61
3.438	3 7/16	x	4.921	2.835	2.441	1.575	8761	61161	29941	20917	10	10	61
3.500	3 1/2	x	5.118	2.835	2.441	1.575	9029	61161	29052	20112	10	10	61
3.750	3 3/4	x	5.315	2.835	2.441	1.575	9531	61161	27522	19368	10	10	61
3.938	3 15/16	x	5.709	3.504	3.031	1.811	12000	73172	27201	18759	8	12	107
4.000	4	x	5.709	3.504	3.031	1.811	12195	73172	26773	18759	8	12	107
4.438	4 7/16	x	6.102	3.504	3.031	1.811	13203	73172	24728	17549	8	12	107
4.750	4 3/4	x	6.496	3.504	3.031	1.811	18005	91465	28334	20607	10	12	107
4.938	4 15/16	x	7.087	3.504	3.031	1.811	22583	109758	32531	22667	12	12	107
5.000	5	x	7.087	3.504	3.031	1.811	23406	109758	31386	22667	12	12	107
5.438	5 7/16	x	7.480	3.858	3.307	2.008	26184	114015	27306	20120	10	14	154
5.938	5 15/16	x	7.874	3.858	3.307	2.008	33666	136818	30583	22937	12	14	154
6.438	6 7/16	x	8.858	3.858	3.307	2.008	44514	159621	31483	23787	14	14	154
6.938	6 15/16	x	9.252	3.858	3.307	2.008	47132	159621	29734	22775	14	14	154

More sizes on request

Explanation

d = Inner diameter (decimal notation)
d = Inner diameter
D = Outer diameter
L = Overall length
L_1 = Overall length (without screws)
L_3 = Width of ring
T = Transmissible torque at given T_A
F_{ax} = Transmissible axial force
p_W = Surface pressure on shaft at given T_A
p_N = Surface pressure on hub at given T_A
n_{Sc} = Quantity of screws
D_G = Thread
T_A = Tightening torque of the clamping screws

Ordering example

Locking assembly	d	D
RfN 7004	2.188	3.346

Technical Information

- Surface finishes: Shaft and hub bores $R_a \leq 1{,}6$ µm
- Tolerances: Shaft: h8 · Hub: H8

Further information on
RINGFEDER® RfN 7004
on **www.ringfeder.com**

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