

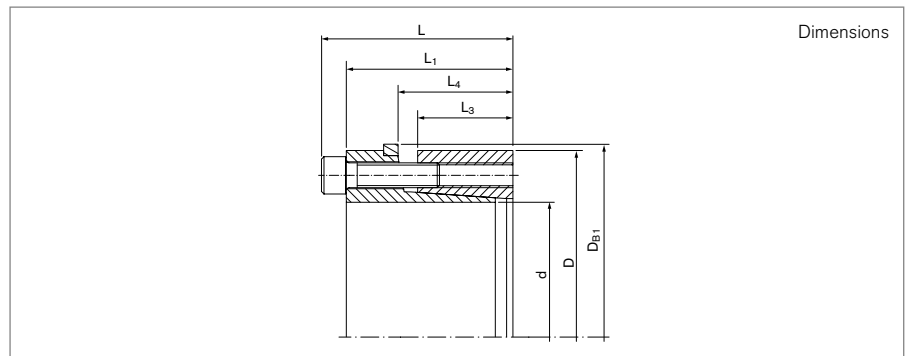
# Locking Assemblies

## RINGFEDER® RfN 7007

Two piece design similar to RfN 7004



self-centering    without axial displacement    with low surface pressure



Locking Assembly dimensions									Transmissible torques or axial forces		Surface pressure		Locking screws		
d	d	x	D	D <sub>B1</sub>	L	L <sub>1</sub>	L <sub>3</sub>	L <sub>4</sub>	T	F <sub>ax</sub>	Shaft PW	Hub PN	n <sub>Sc</sub>	D <sub>G</sub>	T <sub>A</sub>
inch	inch			inch					ft-lbs	lbs	psi				ft-lbs
0.750	3/4	x	1.850	2.087	1.772	1.535	1.024	1.220	235	7400	26000	10400	6	M6	13
0.875	7/8	x	1.850	2.087	1.772	1.535	1.024	1.220	270	7400	22500	10400	6	M6	13
1.000	1	x	1.969	2.205	1.772	1.535	1.024	1.220	310	7400	19700	9900	6	M6	13
1.125	1 1/8	x	2.165	2.402	1.772	1.535	1.024	1.220	345	7400	17500	9000	6	M6	13
1.188	1 3/16	x	2.165	2.402	1.772	1.535	1.024	1.220	370	7400	16400	9000	6	M6	13
1.250	1 1/4	x	2.362	2.598	1.772	1.535	1.024	1.220	525	9890	20600	11000	8	M6	13
1.375	1 3/8	x	2.362	2.598	1.772	1.535	1.024	1.220	575	9890	18800	11000	8	M6	13
1.438	1 7/16	x	2.559	2.795	1.772	1.535	1.024	1.220	595	9890	18100	10600	8	M6	13
1.500	1 1/2	x	2.559	2.795	1.772	1.535	1.024	1.220	625	9890	17300	10100	8	M6	13
1.625	1 5/8	x	2.953	3.189	2.165	1.850	1.181	1.417	940	13700	18600	10300	6	M8	30
1.750	1 3/4	x	2.953	3.189	2.165	1.850	1.181	1.417	1010	13700	17300	10300	6	M8	30
1.875	1 7/8	x	2.953	3.386	2.165	1.850	1.181	1.417	1270	18200	20000	11900	6	M8	30
1.938	1 15/16	x	3.150	3.386	2.165	1.850	1.181	1.417	1490	18200	20700	12900	8	M8	30
2.000	2	x	3.150	3.583	2.165	1.850	1.181	1.417	1550	18200	20000	12600	8	M8	30
2.125	2 1/8	x	3.346	3.583	2.165	1.850	1.181	1.417	1550	18200	19900	12600	8	M8	30
2.188	2 3/16	x	3.346	3.583	2.165	1.850	1.181	1.417	1640	18200	18800	12200	8	M8	30
2.250	2 1/4	x	3.543	3.780	2.165	1.850	1.181	1.417	1710	18200	18100	11900	8	M8	30
2.375	2 3/8	x	3.543	3.780	2.165	1.850	1.181	1.417	1790	18200	17300	11500	8	M8	30
2.438	2 7/16	x	3.740	3.976	2.165	1.850	1.181	1.417	1790	18200	16700	11200	8	M8	30
2.500	2 1/2	x	3.740	3.976	2.165	1.850	1.181	1.417	1860	18200	16700	11200	8	M8	30
2.563	2 9/16	x	3.740	3.976	2.165	1.850	1.181	1.417	1940	18200	15900	10900	8	M8	30
2.688	2 11/16	x	4.331	4.567	2.835	2.441	1.575	1.811	2710	29400	17100	11200	8	M10	61
2.750	2 3/4	x	4.331	4.567	2.835	2.441	1.575	1.811	3370	29400	18000	11500	8	M10	61
2.875	2 7/8	x	4.528	4.764	2.835	2.441	1.575	1.811	3510	29400	17300	11900	8	M10	61
2.938	2 15/16	x	4.528	4.764	2.835	2.441	1.575	1.811	3620	29400	16800	10900	8	M10	61
3.000	3	x	4.724	4.961	2.835	2.441	1.575	1.811	3860	29400	15700	10400	8	M10	61

To continue see next page

### Locking Assemblies RINGFEDER® RfN 7007

Locking Assembly dimensions									Transmissible torques or axial forces		Surface pressure		Locking screws		
d	d	x	D	DB1	L	L1	L3	L4	T	F <sub>ax</sub>	Shaft pW	Hub pN	n <sub>sc</sub>	D <sub>G</sub>	T <sub>A</sub>
inch	inch			inch					ft-lbs	lbs	psi				ft-lbs
3.250	3 1/4	x	4.921	5.157	2.835	2.441	1.575	1.811	4680	36600	15500	10900	10	M10	61
3.375	3 3/8	x	4.921	5.157	2.835	2.441	1.575	1.811	5120	36600	18400	12600	10	M10	61
3.438	3 7/16	x	4.921	5.354	2.835	2.441	1.575	1.811	5330	36600	17700	12200	10	M10	61
3.500	3 1/2	x	5.118	5.354	2.835	2.441	1.575	1.811	5420	36600	17400	12000	10	M10	61
3.750	3 3/4	x	5.315	5.551	2.835	2.441	1.575	1.811	5720	36600	16500	11600	10	M10	61
3.938	3 15/16	x	5.709	5.945	3.504	3.031	1.811	2.047	7210	44100	16400	11300	8	M12	107
4.000	4	x	5.709	5.945	3.504	3.031	1.811	2.047	7500	44100	17100	11700	8	M12	107
4.438	4 7/16	x	6.102	6.339	3.504	3.031	1.811	2.047	7930	44100	14800	10600	8	M12	107
4.750	4 3/4	x	6.496	6.732	3.504	3.031	1.811	2.047	10800	54900	17000	12300	10	M12	107
4.938	4 15/16	x	7.087	7.323	3.504	3.031	1.811	2.047	12400	65900	17700	12800	12	M12	107
5.000	5	x	7.087	7.323	3.504	3.031	1.811	2.047	14100	65900	18800	13600	12	M12	107
5.438	5 7/16	x	7.480	7.717	3.858	3.307	2.008	2.323	17400	75800	18100	13300	10	M14	170
5.938	5 15/16	x	7.874	8.110	3.858	3.307	2.008	2.323	22400	91000	20300	15200	12	M14	170
6.438	6 7/16	x	8.858	9.094	3.858	3.307	2.008	2.323	29600	106000	20900	15800	14	M14	170
6.938	6 15/16	x	9.252	9.488	3.858	3.307	2.008	2.323	31300	106000	19700	15100	14	M14	170

More sizes on request

### Explanation

<b>d</b> = Inner diameter (decimal notation)	<b>L<sub>3</sub></b> = Width of ring	<b>n<sub>sc</sub></b> = Quantity of screws
<b>d</b> = Inner diameter	<b>L<sub>4</sub></b> = Installation length up to collar	<b>D<sub>G</sub></b> = Thread
<b>D</b> = Outer diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>	<b>T<sub>A</sub></b> = Tightening torque of the clamping screws
<b>DB1</b> = Collar outer diameter	<b>F<sub>ax</sub></b> = Transmissible axial force	
<b>L</b> = Overall length	<b>pW</b> = Surface pressure on shaft at given T <sub>A</sub>	
<b>L1</b> = Overall length (without screws)	<b>pN</b> = Surface pressure on hub at given T <sub>A</sub>	

### Ordering example

Locking assembly	d	D
RfN 7007	4.438	6.102

#### Technical Information

- Surface finishes: Shaft and hub bores R<sub>a</sub> ≤ 1,6 μm
- Tolerances: Shaft: h8 · Hub: H8

Further information on  
**RINGFEDER® RfN 7007**  
 on [www.ringfeder.com](http://www.ringfeder.com)

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