

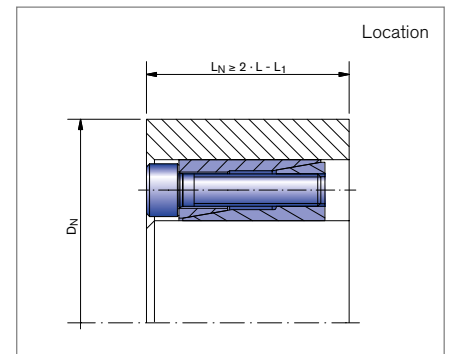
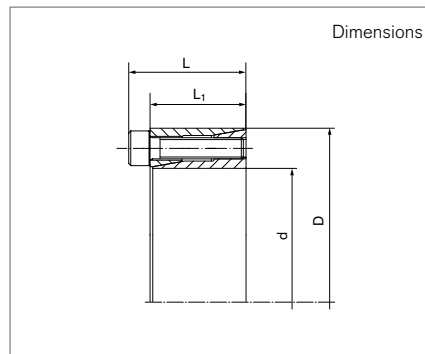
# Locking Assemblies

## RINGFEDER® RfN 7061 stainless steel

Two piece, self-centering design



self-centering      without axial displacement      with low surface pressure



Locking Assembly dimensions								Transmissible torques or axial forces		Surface pressure		Locking screws			
d	x	D	d	x	D	L	L <sub>1</sub>	T	F <sub>ax</sub>	Shaft PW	Hub PN	n <sub>Sc</sub>	D <sub>G</sub>	T <sub>A</sub>	G <sub>w</sub>
mm			inch			inch		ft-lbs	lbs	psi				ft-lbs	lbs
6	x	16	0.236	x	0.630	0.531	0.433	2.2	202	7101	2754	3	M2.5	0.4	0.03
6.35	x	16	0.250	x	0.630	0.531	0.433	2.2	202	7101	2754	3	M2.5	0.4	0.03
7	x	17	0.276	x	0.669	0.531	0.433	2.2	202	6087	2464	3	M2.5	0.4	0.03
8	x	18	0.315	x	0.709	0.531	0.433	3.0	202	5362	2464	3	M2.5	0.4	0.03
9	x	20	0.354	x	0.787	0.610	0.512	4.4	270	5362	2464	4	M2.5	0.4	0.04
9.53	x	20	0.375	x	0.787	0.610	0.512	4.4	270	5362	2464	4	M2.5	0.4	0.04
10	x	20	0.394	x	0.787	0.610	0.512	4.4	270	4783	2464	4	M2.5	0.4	0.04
11	x	22	0.433	x	0.866	0.610	0.512	5.2	270	4348	2174	4	M2.5	0.4	0.05
12	x	22	0.472	x	0.866	0.610	0.512	5.2	270	3768	2174	4	M2.5	0.4	0.05
14	x	26	0.551	x	1.024	0.787	0.669	14.0	562	8261	4348	4	M3	1.0	0.09
15	x	28	0.591	x	1.102	0.787	0.669	16.2	562	7971	3913	4	M3	1.0	0.10
16	x	32	0.630	x	1.260	0.827	0.669	28.0	899	10290	5072	4	M4	2.1	0.15
17	x	35	0.669	x	1.378	0.984	0.827	30.2	899	9565	4783	4	M4	2.1	0.20
18	x	35	0.709	x	1.378	0.984	0.827	32.5	899	9130	4783	4	M4	2.1	0.19
19	x	35	0.748	x	1.378	0.984	0.827	33.9	899	8696	4783	4	M4	2.1	0.19
20	x	38	0.787	x	1.496	1.024	0.827	60.5	1798	11159	5942	4	M5	4.2	0.22
22	x	40	0.866	x	1.575	1.024	0.827	64.9	1574	10290	5507	4	M5	4.2	0.24
24	x	47	0.945	x	1.850	1.260	1.024	142.4	3372	15652	5942	4	M6	10.3	0.44
25	x	47	0.984	x	1.850	1.260	1.024	148.3	3372	15072	5942	4	M6	10.3	0.42
25.4	x	47	1.000	x	1.850	1.260	1.024	151.2	3372	14493	5942	4	M6	10.3	0.42
28	x	50	1.102	x	1.969	1.260	1.024	251.5	5171	20725	7971	6	M6	10.3	0.44
30	x	55	1.181	x	2.165	1.260	1.024	268.5	5171	19565	7536	6	M6	10.3	0.60
32	x	55	1.260	x	2.165	1.260	1.024	285.4	5171	18406	7536	6	M6	10.3	0.55
35	x	60	1.378	x	2.362	1.457	1.220	416.7	5171	18406	7536	8	M6	10.3	0.79
38	x	65	1.496	x	2.559	1.457	1.220	457.3	6969	17391	7101	8	M6	10.3	0.95
40	x	65	1.575	x	2.559	1.457	1.220	480.2	6969	16232	7101	8	M6	10.3	0.88

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### Locking Assemblies RINGFEDER® RfN 7061 stainless steel

Locking Assembly dimensions								Transmissible torques or axial forces		Surface pressure		Locking screws			
d	x	D	d	x	D	L	L <sub>1</sub>	T	F <sub>ax</sub>	Shaft PW	Hub PN	n <sub>Sc</sub>	D <sub>G</sub>	T <sub>A</sub>	G <sub>w</sub>
mm			inch			inch		ft-lbs	lbs	psi				ft-lbs	lbs
42	x	75	1.654	x	2.953	1.732	1.417	685.9	9442	18406	7101	6	M8	25.1	1.65
45	x	75	1.772	x	2.953	1.732	1.417	742.7	9442	17391	7101	6	M8	25.1	1.54
48	x	80	1.890	x	3.150	1.732	1.417	1056.9	13039	21884	9130	8	M8	25.1	1.76
50	x	80	1.969	x	3.150	1.732	1.417	1085.7	13039	20725	9130	8	M8	25.1	1.68

More sizes on request

### Explanation

<b>d</b> = Inner diameter	<b>F<sub>ax</sub></b> = Transmissible axial force	<b>D<sub>G</sub></b> = Thread
<b>D</b> = Outer diameter	<b>PW</b> = Surface pressure on shaft at given T <sub>A</sub>	<b>T<sub>A</sub></b> = Tightening torque of the clamping screws
<b>L</b> = Overall length	<b>PN</b> = Surface pressure on hub at given T <sub>A</sub>	<b>G<sub>w</sub></b> = Weight
<b>L<sub>1</sub></b> = Overall length (without screws)	<b>n<sub>Sc</sub></b> = Quantity of screws	
<b>T</b> = Transmissible torque at given T <sub>A</sub>		

### Ordering example

Locking assembly	d	D	Further details
RfN 7061 stainless steel	0.236	0.630	SST (=stainless steel)

#### Technical Information

- Surface finishes: Shaft and hub bores R<sub>a</sub> ≤ 3,2 μm
- Tolerances: Shaft: h8 · Hub: H8

Further information on  
**RINGFEDER® RfN 7061 stainless steel**  
 on [www.ringfeder.com](http://www.ringfeder.com)

#### Disclaimer of liability

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