

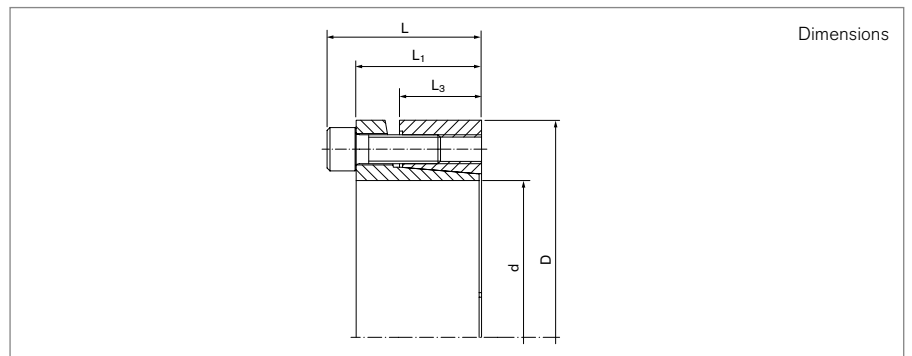
# Locking Assemblies

## RINGFEDER® RfN 7003

Two piece design with slit and single taper and without flange



self-centering      without axial displacement      with low surface pressure



Locking Assembly dimensions						Transmissible torques or axial forces		Surface pressure		Locking screws		
d	x	D	L	L <sub>1</sub>	L <sub>3</sub>	T	F <sub>ax</sub>	Shaft PW	Hub PN	n <sub>Sc</sub>	D <sub>G</sub>	T <sub>A</sub>
mm			mm			Nm	kN	N/mm <sup>2</sup>				Nm
19	x	47	34	28	17	355	31	280	120	5	M6	14
20	x	47	34	28	17	360	33	280	120	5	M6	14
22	x	47	34	28	17	400	33	260	125	5	M6	14
24	x	50	34	28	17	440	36	245	120	6	M6	14
25	x	50	34	28	17	560	36	280	140	6	M6	14
28	x	55	34	28	17	625	36	250	130	6	M6	14
30	x	55	34	28	17	650	36	235	130	6	M6	14
32	x	60	34	28	17	950	50	290	150	8	M6	14
35	x	60	34	28	17	1050	50	290	150	8	M6	14
38	x	65	34	28	17	1140	50	250	145	8	M6	14
40	x	65	34	28	17	1200	50	230	145	8	M6	14
42	x	75	41	33	20	2030	70	305	170	7	M8	35
45	x	75	41	33	20	2180	70	285	170	7	M8	35
48	x	80	41	33	20	2330	80	270	160	7	M8	35
50	x	80	41	33	20	2430	85	260	160	7	M8	35
55	x	85	41	33	20	3050	100	270	175	8	M8	35
60	x	90	41	33	20	3350	100	245	165	8	M8	35
65	x	95	41	33	20	4080	110	255	175	9	M8	35
70	x	110	50	40	24	6280	160	280	180	8	M10	70
75	x	115	50	40	24	6680	160	260	170	8	M10	70
80	x	120	50	40	24	7130	160	250	170	8	M10	70
85	x	125	50	40	24	8750	180	260	180	9	M10	70
90	x	130	50	40	24	9080	180	250	170	9	M10	70
95	x	135	50	40	24	10580	200	260	180	10	M10	70
100	x	145	56	44	26	13380	240	270	190	8	M12	125
110	x	155	56	44	26	14580	240	240	180	8	M12	125

To continue see next page

### Locking Assemblies RINGFEDER® RfN 7003

Locking Assembly dimensions						Transmissible torques or axial forces		Surface pressure		Locking screws		
d	x	D	L	L <sub>1</sub>	L <sub>3</sub>	T	F <sub>ax</sub>	Shaft p <sub>w</sub>	Hub p <sub>n</sub>	n <sub>sc</sub>	D <sub>G</sub>	T <sub>A</sub>
mm			mm			Nm	kN	N/mm <sup>2</sup>				Nm
120	x	165	56	44	26	17880	250	250	180	9	M12	125
130	x	180	64	52	34	25950	350	240	170	12	M12	125
140	x	190	68	54	34	26950	350	210	150	9	M14	190
150	x	200	68	54	34	32950	400	230	170	10	M14	190
160	x	210	68	54	34	37950	450	230	170	11	M14	190
170	x	225	78	64	44	44950	500	180	130	12	M14	190
180	x	235	78	64	44	46950	500	170	130	12	M14	190
190	x	250	78	64	44	64059	607	141	146	15	M14	190
200	x	260	78	64	44	67430	607	134	141	15	M14	190
220	x	285	88	72	50	82211	710	130	132	12	M16	290
240	x	305	88	72	50	112106	848	149	154	15	M16	290
260	x	325	88	72	50	145737	1017	165	174	16	M16	290
280	x	355	102	84	60	168715	1094	139	143	16	M18	400
300	x	375	102	84	60	203362	1230	146	152	18	M18	400
320	x	405	121	101	74	287020	1627	150	151	18	M20	580
340	x	425	121	101	74	355785	1899	165	168	21	M20	580
360	x	455	137	115	86	395461	1994	142	142	18	M22	780
380	x	475	137	115	86	487003	2326	157	158	21	M22	780
400	x	495	137	115	86	512635	2326	150	152	21	M22	780

More sizes on request

### Explanation

<b>d</b> = Inner diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>	<b>n<sub>sc</sub></b> = Quantity of screws
<b>D</b> = Outer diameter	<b>F<sub>ax</sub></b> = Transmissible axial force	<b>D<sub>G</sub></b> = Thread
<b>L</b> = Overall length	<b>p<sub>w</sub></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<sub>1</sub></b> = Overall length (without screws)	<b>p<sub>n</sub></b> = Surface pressure on hub at given T <sub>A</sub>	
<b>L<sub>3</sub></b> = Width of ring		

### Ordering example

Locking assembly	d	D
RfN 7003	24	50

#### 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 7003**  
 on [www.ringfeder.com](http://www.ringfeder.com)

#### Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.