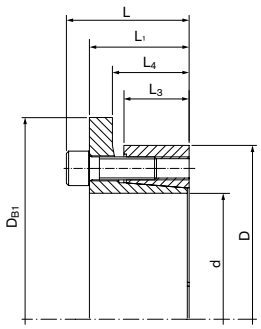
Locking Assemblies
RINGFEDER® RfN 7006
Two piece design with single taper



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	x	D	D_{B1}	L	L_1	L_3	L_4	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A	Gw
mm			mm					Nm	kN	N/mm²				Nm	kg
19	x	47	56	34	28	17	23	270	28	234	94	5	M6 x 20	17	0,3
20	x	47	56	34	28	17	23	284	28	222	94	5	M6 x 20	17	0,3
22	x	47	56	34	28	17	23	313	28	202	94	5	M6 x 20	17	0,3
24	x	50	59	34	28	17	23	410	34	222	106	6	M6 x 20	17	0,3
25	x	50	59	34	28	17	23	427	34	213	106	6	M6 x 20	17	0,3
28	x	55	64	34	28	17	23	478	34	190	97	6	M6 x 20	17	0,4
30	x	55	64	34	28	17	23	512	34	177	97	6	M6 x 20	17	0,3
32	x	60	69	34	28	17	23	728	46	222	118	8	M6 x 20	17	0,3
35	x	60	69	34	28	17	23	796	46	203	118	8	M6 x 20	17	0,4
38	x	65	74	34	28	17	23	865	46	187	109	8	M6 x 20	17	0,5
40	x	65	74	34	28	17	23	910	46	177	109	8	M6 x 20	17	0,4
42	x	75	84	41	33	20	26	1520	72	229	128	7	M8 x 25	41	0,7
45	x	75	84	41	33	20	26	1629	72	213	128	7	M8 x 25	41	0,7
50	x	80	89	41	33	20	26	1810	72	192	120	7	M8 x 25	41	0,8
55	x	85	94	41	33	20	26	2275	83	200	129	8	M8 x 25	41	0,9
60	x	90	99	41	33	20	26	2482	83	183	122	8	M8 x 25	41	0,9
65	x	95	104	41	33	20	26	3025	93	190	130	9	M8 x 25	41	0,9
70	x	110	119	50	40	24	32	4735	135	214	135	8	M10 x 30	83	1,6
75	x	115	124	50	40	24	32	5018	134	197	129	8	M10 x 30	83	1,7
80	x	120	129	50	40	24	32	5352	134	185	123	8	M10 x 30	83	1,9
85	x	125	134	50	40	24	32	5979	141	183	124	9	M10 x 30	83	2,0
90	x	130	139	50	40	24	32	6774	151	185	128	9	M10 x 30	83	2,0
95	x	135	144	50	40	24	32	7945	167	195	137	10	M10 x 30	83	2,3
100	x	145	154	56	44	26	34	10005	200	204	141	8	M12 x 35	145	2,8
110	x	155	164	56	44	26	34	11006	200	186	132	8	M12 x 35	145	3,1
120	x	165	174	56	44	26	34	13507	225	191	139	9	M12 x 35	145	3,2

To continue see next page

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Locking Assembly dimensions								Transmissible torques or axial forces		Surface pressure		Locking screws			
										Shaft	Hub				
d	x	D	D_{B1}	L	L_1	L_3	L_4	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A	Gw
mm			mm					Nm	kN	N/mm²				Nm	kg
130	x	180	189	64	52	34	42	19511	300	180	130	12	M12 x 35	145	4,6
140	x	190	199	68	54	34	42	21515	307	171	126	9	M14 x 40	230	5,0
150	x	200	209	68	54	34	42	25613	342	178	133	10	M14 x 40	230	5,2
160	x	210	219	68	54	34	42	30052	376	183	140	11	M14 x 40	230	5,6
170	x	225	234	78	64	44	52	34833	410	145	110	12	M14 x 40	230	6,5
180	x	235	244	78	64	44	52	36882	410	137	105	12	M14 x 40	230	8,5
190	x	250	259	78	64	44	52	48664	512	163	124	15	M14 x 40	230	9,0
200	x	260	269	78	64	44	52	51225	512	154	119	15	M14 x 40	230	9,6
220	x	285	295	91	75	50	59	61581	560	135	104	12	M16 x 50	355	14,0
240	x	305	315	91	75	50	59	83975	700	155	122	15	M16 x 50	355	15,1
260	x	325	335	91	75	50	59	97037	746	152	122	16	M16 x 50	355	16,2
280	x	355	365	105	87	60	69	124441	889	140	111	16	M18 x 50	485	25,6
300	x	375	384	102	84	60	66	149908	999	147	118	18	M18 x 50	485	25,5
320	x	405	414	121	101	74	81	208733	1305	146	115	18	M20 x 50	690	37,9
340	x	425	434	121	101	74	81	258742	1522	160	128	21	M20 x 50	690	38,3
360	x	455	464	138	115	86	93	290014	1611	138	109	18	M22 x 60	930	53,3
380	x	475	484	138	115	86	93	357147	1880	153	122	21	M22 x 60	930	57,6
400	x	495	504	138	115	86	93	375945	1880	145	117	21	M22 x 60	930	60,3

More sizes on request

Explanation

- **d** = Inner diameter
- **D** = Outer diameter
- **D_{B1}** = Collar outer diameter
- **L** = Overall length
- **L_1** = Overall length (without screws)
- **L_3** = Width of ring
- **L_4** = Installation length up to collar
- **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
- **Gw** = Weight

Ordering example

Locking assembly	d	D
RfN 7006	**55**	**85**

Technical Information

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

Further information on
RINGFEDER® RfN 7006
on **www.ringfeder.com**

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