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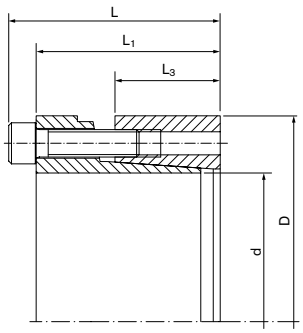
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Locking Assemblies
RINGFEDER® RfN 7004
Extended version of the RfN 7003



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	x	D	L	L_1	L_3	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A
mm			mm			Nm	kN	N/mm²				Nm
19	x	47	45	39	26	530	56	298	120	6	M6	17
20	x	47	45	39	26	550	56	283	120	6	M6	17
22	x	47	45	39	26	610	56	257	120	6	M6	17
24	x	50	45	39	26	660	56	236	115	6	M6	17
25	x	50	45	39	26	690	56	227	115	6	M6	17
28	x	55	45	39	26	770	56	202	105	6	M6	17
30	x	55	45	39	26	830	56	190	105	6	M6	17
32	x	60	45	39	26	1180	74	235	125	8	M6	17
35	x	60	45	39	26	1295	74	216	126	8	M6	17
38	x	65	45	39	26	1400	74	200	116	8	M6	17
40	x	65	45	39	26	1480	74	190	116	8	M6	17
42	x	75	55	47	30	2120	101	212	120	6	M8	41
45	x	75	55	47	30	2270	101	198	120	6	M8	41
48	x	80	55	47	30	3230	135	250	150	8	M8	41
50	x	80	55	47	30	3365	135	240	150	8	M8	41
55	x	85	55	47	30	3700	135	216	140	8	M8	41
60	x	90	55	47	30	4035	135	200	135	8	M8	41
65	x	95	55	47	30	4370	135	183	125	8	M8	41
70	x	110	72	62	40	7615	218	206	131	8	M10	83
75	x	115	72	62	40	8160	218	192	126	8	M10	83
80	x	120	72	62	40	8700	218	180	120	8	M10	83
85	x	125	72	62	40	11560	272	212	145	10	M10	83
90	x	130	72	62	40	12240	272	200	140	10	M10	83
95	x	135	72	62	40	12920	272	190	135	10	M10	83
100	x	145	89	77	46	16270	325	190	130	8	M12	145
110	x	155	89	77	46	17900	325	171	121	8	M12	145

To continue see next page

Locking Assemblies RINGFEDER® RfN 7004

Locking Assembly dimensions						Transmissible torques or axial forces		Surface pressure		Locking screws		
								Shaft	Hub			
d	x	D	L	L_1	L_3	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A
mm			mm			Nm	kN	N/mm²				Nm
120	x	165	89	77	46	24410	405	196	142	10	M12	145
130	x	180	89	77	46	31735	488	220	160	12	M12	145
140	x	190	98	84	51	35502	507	188	139	10	M14	210
150	x	200	98	84	51	45645	609	211	158	12	M14	210
160	x	210	98	84	51	48688	609	198	151	12	M14	210
170	x	225	98	84	51	60353	710	217	164	14	M14	210
180	x	235	98	84	51	63903	710	205	157	14	M14	210

More sizes on request

Explanation

- **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	**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 7004
on **www.ringfeder.com**

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