Locking Assemblies

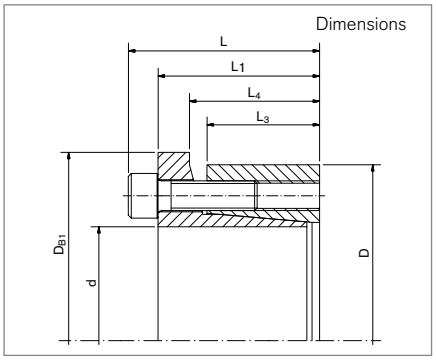
RINGFEDER® RfN 7013.1 stainless steel

Axial hub fixing, excellent concentricity and very easy to dismantle

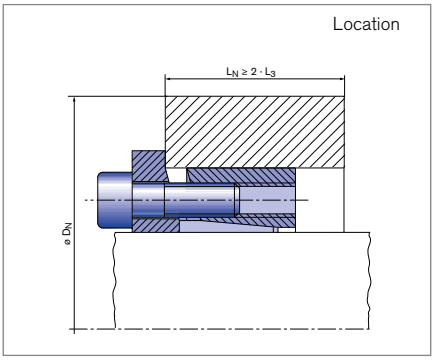


self-centering | **without axial displacement** | with low surface pressure

Dimensions



Location



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	T_{max}
mm					mm			Nm	kN	N/mm²				Nm	kg	Nm
19	x	47	53	37	31	21,7	25,7	199	21	232	69	6	M6 x 20	14	0,29	248
20	x	47	53	37	31	21,7	25,7	210	21	224	69	6	M6 x 20	14	0,29	262
22	x	47	53	37	31	21,7	25,7	231	21	201	69	6	M6 x 20	14	0,27	288
24	x	50	56	37	31	21,7	25,7	294	28	201	69	7	M6 x 20	14	0,31	367
25	x	50	56	37	31	21,7	25,7	308	28	224	85	7	M6 x 20	14	0,3	385
28	x	55	62	37	31	21,7	25,7	343	28	201	77	7	M6 x 20	14	0,36	428
30	x	55	62	37	31	21,7	25,7	371	28	186	77	7	M6 x 20	14	0,34	463
32	x	60	68	37	31	21,7	25,7	518	35	209	85	9	M6 x 20	14	0,41	647
35	x	60	68	37	31	21,7	25,7	567	35	193	85	9	M6 x 20	14	0,38	708
38	x	65	73	37	31	21,7	25,7	623	35	178	77	10	M6 x 20	14	0,44	778
40	x	65	73	37	31	21,7	25,7	685	35	170	77	10	M6 x 20	14	0,41	822
42	x	75	83	46	38	25,3	30,3	1211	56	232	100	9	M8 x 25	34	0,76	1513
45	x	75	83	46	38	25,3	30,3	1302	56	217	100	9	M8 x 25	34	0,7	1627
48	x	80	88	46	38	25,3	30,3	1386	56	209	100	9	M8 x 25	34	0,8	1732
50	x	80	88	46	38	25,3	30,3	1449	56	201	100	9	M8 x 25	34	0,76	1811
55	x	85	95	46	38	25,3	30,3	1778	63	209	108	10	M8 x 25	34	0,82	2222
60	x	90	100	46	38	25,3	30,3	1939	63	193	100	10	M8 x 25	34	0,88	2423
65	x	95	105	46	38	25,3	30,3	2506	77	201	108	12	M8 x 25	34	0,94	3132
70	x	110	120	60	50	33,4	40,4	3570	98	186	100	10	M10 x 35	66	2,1	4462
75	x	115	125	60	50	33,4	40,4	3822	98	178	93	10	M10 x 35	66	2,2	4777
80	x	120	130	60	50	33,4	40,4	4095	98	162	85	10	M10 x 35	66	2,3	5118
85	x	125	135	60	50	33,4	40,4	5215	126	178	100	12	M10 x 35	66	2,4	6518
90	x	130	140	60	50	33,4	40,4	5530	126	170	93	12	M10 x 35	66	2,6	6912
95	x	135	145	60	50	33,4	40,4	6930	147	201	116	15	M10 x 35	66	2,7	8662

To continue see next page

Locking Assemblies RINGFEDER® RfN 7013.1 stainless steel

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	T_{max}
mm			mm					Nm	kN	N/mm²				Nm	kg	Nm
100	x	145	155	68	58	40,8	47,8	7700	154	147	85	15	M10 x 35	66	3,7	9625
110	x	155	165	68	58	40,8	47,8	8470	154	139	85	15	M10 x 35	66	4	10587
120	x	165	175	68	58	40,8	47,8	10990	182	147	93	18	M10 x 35	66	4,3	13737
130	x	180	190	77	65	45,4	52,4	14490	224	147	93	15	M12 x 40	115	5,9	18112
140	x	190	200	77	65	45,4	52,4	15750	224	139	85	15	M12 x 40	115	6,3	19687
150	x	200	210	77	65	45,4	52,4	19950	266	155	100	18	M12 x 40	115	6,7	24937

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
- **T_{max}** = Max. transmissible torque

Ordering example

Locking assembly	d	D	Further details
RfN 7013.1 stainless steel	**35**	**60**	**SST (=stainless steel)**

Further information on
RINGFEDER® RfN 7013.1 stainless steel
on **www.ringfeder.com**

Technical Information

- The Locking Assemblies are supplied slightly oiled and readyto-use. The values for T, F_{ax}, p_W and p_N apply to Locking Assemblies installed in the delivery condition.
- Surface finishes: Shaft and hub bores $R_a \leq 1{,}6$ µm
- Tolerances: Shaft: h8 · Hub: H8
- Arrangement only possible from 2 sides. If several Locking Assemblies are used to increase the transmission values the clamping systematization has to be considered.
- A change of the T_A-values given in the above table is not admissible.

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.

RINGFEDER POWER TRANSMISSION