

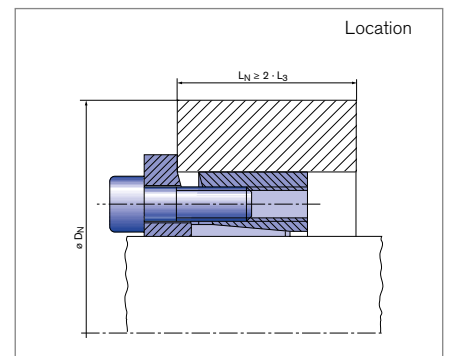
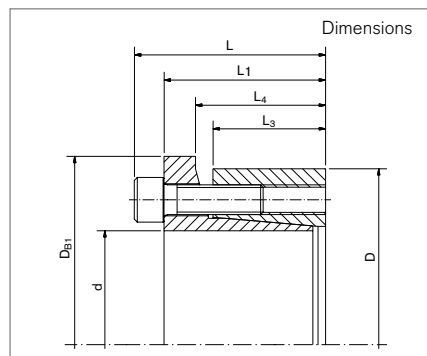
Locking Assemblies

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



Locking Assembly dimensions								Transmissible torques or axial forces		Surface pressure		Locking screws				
d	x	D	DB1	L	L1	L3	L4	T	F _{ax}	Shaft pW	Hub pN	n _{Sc}	D _G	T _A	Gw	T _{max}
mm								Nm	kN	N/mm ²				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

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Locking Assembly dimensions								Transmissible torques or axial forces		Surface pressure		Locking screws				
d	x	D	D _{B1}	L	L ₁	L ₃	L ₄	T	F _{ax}	Shaft p _w	Hub p _N	n _{Sc}	D _G	T _A	G _w	T _{max}
mm		mm						Nm	kN	N/mm ²				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	T = Transmissible torque at given T _A	T_A = Tightening torque of the clamping screws
D = Outer diameter	F_{ax} = Transmissible axial force	G_w = Weight
D_{B1} = Collar outer diameter	p_w = Surface pressure on shaft at given T _A	T_{max} = Max. transmissible torque
L = Overall length	p_N = Surface pressure on hub at given T _A	
L₁ = Overall length (without screws)	n_{Sc} = Quantity of screws	
L₃ = Width of ring	D_G = Thread	
L₄ = Installation length up to collar		

Ordering example

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

Technical Information

- The Locking Assemblies are supplied slightly oiled and ready-to-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 ≤ 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.

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

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