Locking Assemblies

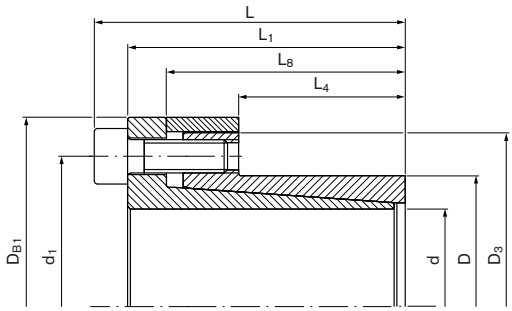
RINGFEDER® RfN 7110 stainless steel

Specially small dimensioned self-centering Locking Assembly without axial displacement



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}	D_3	d_1	L	L_1	L_4	L_8	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A	Gw
mm			mm							Nm	kN	N/mm²				Nm	kg
8	x	15	27	24	19	28	24	12	21	16	3,8	126	66	4	M4	2,9	0,06
9	x	16	28	25	20	31	27	14	23	18	3,8	93	55	4	M4	2,9	0,07
10	x	16	28	25	20	31	27	14	23	20	3,8	88	55	4	M4	2,9	0,06
11	x	18	32	28,5	23	31	27	14	23	28	5,5	99	60	4	M4	2,9	0,07
12	x	18	32	28,5	23	31	27	14	23	30	5,5	85	60	4	M4	2,9	0,07
13	x	23	38	33,5	28	31	27	14	23	33	5,5	82	46	4	M4	2,9	0,12
14	x	23	38	33,5	28	31	27	14	23	35	5,5	77	46	4	M4	2,9	0,12
15	x	24	44	39	31	42	36	16	29	85	13	99	63	3	M6	14	0,21
16	x	24	44	39	31	42	36	16	29	93	13	93	63	3	M6	14	0,2
17	x	26	45	41,5	33	44	38	18	31	127	17	104	74	4	M6	14	0,22
18	x	26	47	41,5	33	44	38	18	31	139	17	99	74	4	M6	14	0,24
19	x	27	48	42,5	34	44	38	18	31	147	17	93	68	4	M6	14	0,25
20	x	28	49	43,5	35	44	38	18	31	155	17	82	63	4	M6	14	0,25
22	x	32	53	47,5	39,5	51	45	25	38	178	16	63	44	4	M6	14	0,34
24	x	34	55	49,5	41,5	51	45	25	38	197	16	57	41	4	M6	14	0,36
25	x	34	55	49,5	41,5	51	45	25	38	197	16	55	41	4	M6	14	0,35
28	x	39	60	54,5	46	51	45	25	38	286	24	60	44	5	M6	14	0,43
30	x	41	62	56,5	48	51	45	25	38	368	24	68	49	6	M6	14	0,43
32	x	43	64	58,5	50,5	56	50	30	43	391	24	52	41	6	M6	14	0,46
35	x	47	68	62,5	54	56	50	30	43	573	32	66	49	8	M6	14	0,52
38	x	50	71	65,5	57	56	50	30	43	620	32	60	46	8	M6	14	0,61
40	x	53	74	68,5	60	58	52	32	45	736	41	60	46	9	M6	14	0,67
42	x	55	77	70,5	62	58	52	32	45	771	60	57	44	9	M6	14	0,74
45	x	59	85	78,5	68,5	72	64	40	56	1356	60	71	55	8	M8	34	1,12

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Locking Assemblies RINGFEDER® RfN 7110 stainless steel

Locking Assembly dimensions										Transmissible torques or axial forces		Surface pressure		Locking screws			
												Shaft	Hub				
d	x	D	D_{B1}	D_3	d_1	L	L_1	L_4	L_8	T	F_{ax}	p_W	p_N	n_{Sc}	D_G	T_A	Gw
mm			mm							Nm	kN	N/mm²				Nm	kg
48	x	62	87	81,5	71,5	72	64	40	56	1449	60	66	52	8	M8	34	1,14
50	x	65	91	84,5	74,5	82	74	50	66	1883	75	63	49	10	M8	34	1,3

More sizes on request

Explanation

d = Inner diameter
D = Outer diameter
D_{B1}/D_3 = Collar outer diameter
L = Overall length
L_1 = Overall length (without screws)
L_4 = installation length up to collar
L_8 = Length L_4 + length spacer bushing
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 Assembliy	d	D	Further details
RfN 7110 stainless steel	**25**	**34**	**SST (=stainless steel)**

Technical Information

- Surface finishes: Shaft bores $R_a \leq 3{,}2$ µm · Hub bores $R_a \leq 1{,}6$ µm
- Tolerances: Shaft: h8 · Hub: H8

Further information on
RINGFEDER® RfN 7110 stainless steel
on **www.ringfeder.com**

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