

Locking Assemblies

RINGFEDER® RfN 7110 stainless steel

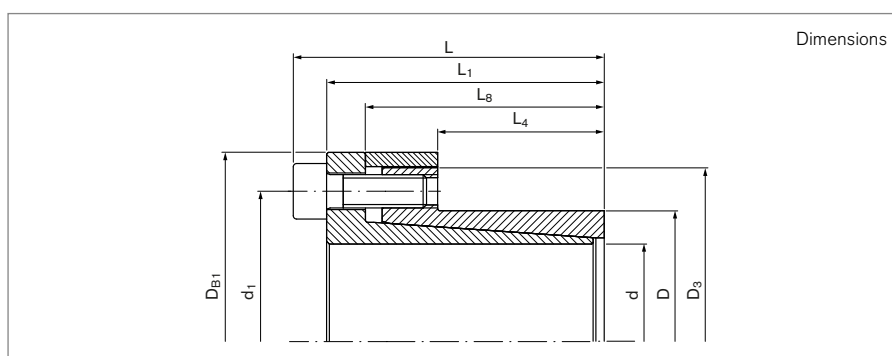
Specially small dimensioned self-centering Locking Assembly without axial displacement



self-centering

without axial displacement

with low surface pressure



Locking Assembly dimensions										Transmissible torques or axial forces		Surface pressure		Locking screws			
d	x	D	DB1	D3	d1	L	L1	L4	L8	T	F _{ax}	Shaft PW	Hub PN	n _{Sc}	D _G	T _A	G _w
mm						mm				Nm	kN	N/mm ²				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 Assembly dimensions										Transmissible torques or axial forces		Surface pressure		Locking screws			
d	x	D	D _{B1}	D ₃	d ₁	L	L ₁	L ₄	L ₈	T	F _{ax}	Shaft p _w	Hub p _N	n _{Sc}	D _G	T _A	G _w
mm						mm				Nm	kN	N/mm ²				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	L₈	= Length L ₄ + length spacer bushing	D_G	= Thread
D	= Outer diameter	T	= Transmissible torque at given T _A	T_A	= Tightening torque of the clamping screws
D_{B1}/D₃	= Collar outer diameter	F_{ax}	= Transmissible axial force	G_w	= Weight
L	= Overall length	p_w	= Surface pressure on shaft at given T _A		
L₁	= Overall length (without screws)	p_N	= Surface pressure on hub at given T _A		
L₄	= installation length up to collar	n_{Sc}	= Quantity of screws		

Ordering example

Locking Assembly	d	D	Further details
RfN 7110 stainless steel	25	34	SST (=stainless steel)

Technical Information

- Surface finishes: Shaft bores R_a ≤ 3,2 μm · Hub bores R_a ≤ 1,6 μm
- Tolerances: Shaft: h8 · Hub: H8

Further information on

RINGFEDER® RfN 7110 stainless steel

on www.ringfeder.com

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