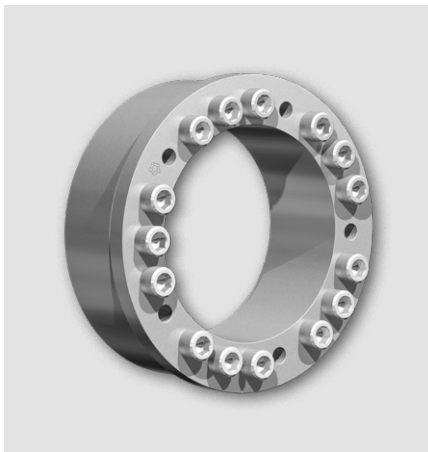


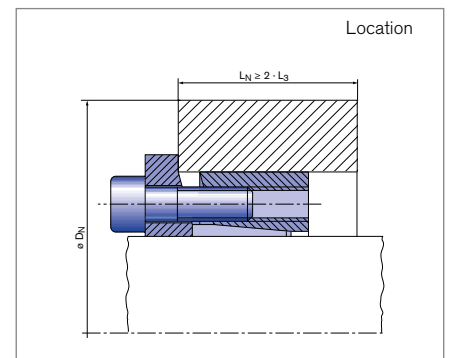
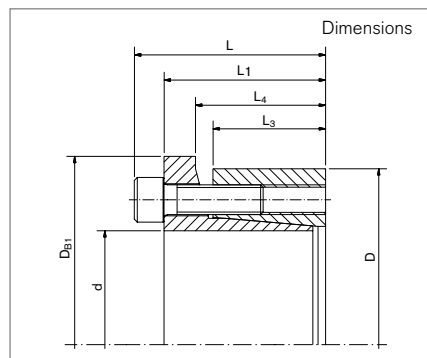
Locking Assemblies

RINGFEDER® RfN 7013.1

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 _N min at R _{p0,2}				
d	d	x	D	L	L ₁	L ₃	L ₄	D _{B1}	T	F _{ax}	Shaft PW	Hub PN	n _{Sc}	D _G	SW	T _A	Gw	200	300	400
inch	mm			inch				inch	ft-lbs	lbs	psi				mm	ft-lbs	lbs	[N/mm ²]		
																		inch		
1.000	1	x	1.969	1.457	1.220	0.854	1.012	2.205	323	7752	40170	15070	7	M6 x 20	5	13	0.7	2.875	2.591	2.398
1.1875	1 3/16	x	2.165	1.457	1.220	0.854	1.012	2.441	385	7781	33800	13650	7	M6 x 20	5	13	0.8	3.000	2.773	2.587
1.250	1 1/4	x	2.362	1.457	1.220	0.854	1.012	2.677	531	10195	38560	15070	9	M6 x 20	5	13	0.9	3.375	3.108	2.876
1.375	1 3/8	x	2.362	1.457	1.220	0.854	1.012	2.677	585	10211	35055	15070	9	M6 x 20	5	13	0.9	3.375	3.108	2.876
1.4375	1 7/16	x	2.559	1.457	1.220	0.854	1.012	2.874	620	10351	33495	13935	10	M6 x 20	5	13	1.0	3.625	3.296	3.069
1.500	1 1/2	x	2.559	1.457	1.220	0.854	1.012	2.874	647	10352	32100	13935	10	M6 x 20	5	13	1.0	3.625	3.296	3.069
1.625	1 5/8	x	2.953	1.811	1.496	0.996	1.193	3.268	1234	18225	43870	19055	9	M8 x 25	6	30	1.7	4.750	4.202	3.796
1.750	1 3/4	x	2.953	1.811	1.496	0.996	1.193	3.268	1329	18226	40740	19055	9	M8 x 25	6	30	1.7	4.750	4.202	3.796
1.875	1 7/8	x	3.150	1.811	1.496	0.996	1.193	3.465	1426	18253	38070	17915	9	M8 x 25	6	30	1.8	4.875	4.381	3.986
1.9375	1 15/16	x	3.150	1.811	1.496	0.996	1.193	3.465	1473	18246	36840	17915	9	M8 x 25	6	30	1.8	4.875	4.381	3.986
2.000	2	x	3.150	1.811	1.496	0.996	1.193	3.465	1521	18252	35690	17915	9	M8 x 25	6	30	1.8	4.875	4.381	3.986
2.125	2 1/8	x	3.346	1.811	1.496	0.996	1.193	3.740	1803	20363	39125	19625	10	M8 x 25	6	30	1.8	5.500	4.816	4.335
2.1875	2 3/16	x	3.346	1.811	1.496	0.996	1.193	3.740	1856	20363	38005	19625	10	M8 x 25	6	30	1.8	5.500	4.816	4.335
2.250	2 1/4	x	3.543	1.811	1.496	0.996	1.193	3.937	1908	20352	36875	18485	10	M8 x 25	6	30	1.9	5.500	4.984	4.518
2.375	2 3/8	x	3.543	1.811	1.496	0.996	1.193	3.937	2014	20352	34935	18485	10	M8 x 25	6	30	1.9	5.500	4.984	4.518
2.4375	2 7/16	x	3.740	1.811	1.496	0.996	1.193	4.134	2466	24281	38965	20050	12	M8 x 25	6	30	2.1	6.125	5.430	4.873
2.500	2 1/2	x	3.740	1.811	1.496	0.996	1.193	4.134	2530	24288	37990	20050	12	M8 x 25	6	30	2.1	6.125	5.430	4.873
2.5625	2 9/16	x	3.740	1.811	1.496	0.996	1.193	4.134	2593	24286	37065	20050	12	M8 x 25	6	30	2.1	6.125	5.430	4.873
2.750	2 3/4	x	4.331	2.362	1.969	1.315	1.591	4.724	3680	32116	34770	18200	10	M10 x 35	8	61	4.6	6.750	6.058	5.502
2.875	2 7/8	x	4.528	2.362	1.969	1.315	1.591	4.921	3845	32097	33300	16920	10	M10 x 35	8	61	4.9	6.875	6.176	5.653
2.9375	2 15/16	x	4.528	2.362	1.969	1.315	1.591	4.921	3929	32101	32590	16920	10	M10 x 35	8	61	4.9	6.875	6.176	5.653
3.000	3	x	4.528	2.362	1.969	1.315	1.591	4.921	4012	32096	31910	16920	10	M10 x 35	8	61	4.9	6.875	6.176	5.653
3.375	3 3/8	x	4.921	2.362	1.969	1.315	1.591	5.315	5434	38642	32430	18345	12	M10 x 35	8	61	5.3	7.625	6.903	6.264
3.4375	3 7/16	x	5.118	2.362	1.969	1.315	1.591	5.512	5543	38700	31810	17630	12	M10 x 35	8	61	5.7	7.875	7.079	6.451

To continue see next page

Locking Assemblies RINGFEDER® RfN 7013.1

Locking Assembly dimensions									Transmissible torques or axial forces		Surface pressure		Locking Screws				D _{N min} at R _{p0,2}			
d	d	x	D	L	L ₁	L ₃	L ₄	D _{B1}	T	F _{ax}	p _w	p _N	n _{Sc}	D _G	SW	T _A	Gw	200	300	400
inch	mm			inch			inch	inch	ft-lbs	lbs	psi				mm	ft-lbs	lbs	[N/mm ²]		
3.500	3 1/2	x	5.118	2.362	1.969	1.315	1.591	5.512	5644	38702	31240	17630	12	M10 x 35	8	61	5.7	7.875	7.079	6.451
3.750	3 3/4	x	5.315	2.362	1.969	1.315	1.591	5.709	7180	45952	36450	21190	15	M10 x 35	8	61	6.0	9.000	7.899	7.036
3.9375	3 15/16	x	5.709	2.677	2.283	1.606	1.882	6.102	7957	48500	27300	16210	15	M10 x 35	8	61	8.2	8.500	7.680	7.059
4.000	4	x	5.709	2.677	2.283	1.606	1.882	6.102	8083	48498	26870	16210	15	M10 x 35	8	61	8.2	8.500	7.680	7.059

More sizes on request

Explanation

d = Inner diameter (decimal notation)	L₄ = Installation length up to collar	SW = Wrench size
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	Gw = Weight
D_{B1} = Collar outer diameter	p_w = Surface pressure on shaft at given T _A	D_{N min} = Min. hub outer diam. depending of the given hub yield point R _{p0,2}
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	

Ordering example

Locking assembly	d	D
RfN 7013.1	3.750	5.315

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.
- The outside diameter of the hub is calculated with factor C3 = 0.6. (see chapter "Calculation" in Product Paper & Tech Paper "RINGFEDER® Locking Assemblies").

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

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.