

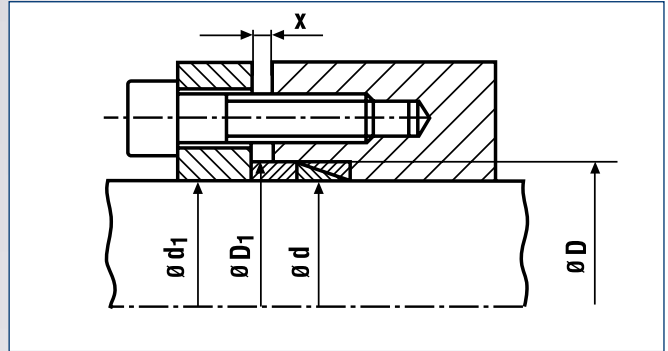


Solid

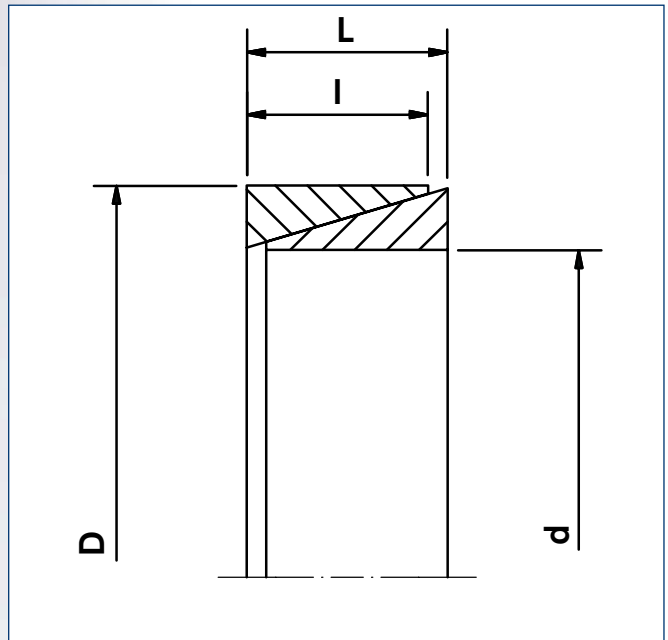


Slit

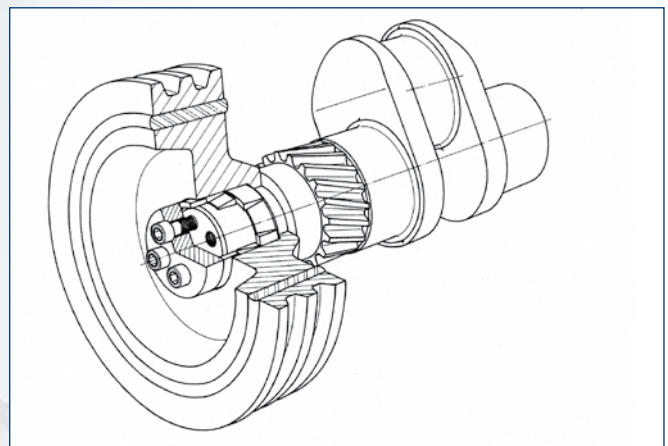
STAINLESS



Locking Element RINGFEDER® RfN 8006 stainless · Typical installation



Locking Elements RINGFEDER® RfN 8006 stainless · Dimensions



V-belt pulley

Locking Assembly dimensions										F ₀	F _A '	Transmissible torques or axial forces		X				Weight		d ₁	D ₁	T _{max}	
d x D	d	C ₁	C _b	D	C ₂	L	I	A _t				T	F _{ax}					WT					
mm	Inch											psi	lb-ft	lbs	Inch				lbs 10 ⁻³				Inch
* 6 x 9	0.236			0.354	-0	0.177	0.146	0.107	-	832	1.5	149	0.079	0.079	0.118	0.118	3.31	0.240	0.350	4.6			
* 7 x 10	0.276		-0	0.394	+0.0006	0.177	0.146	0.124	-	989	2.0	174	0.079	0.079	0.118	0.118	3.09	0.280	0.390	6.0			
* 8 x 11	0.315		+0.0006	0.433		0.177	0.146	0.140	-	1124	2.6	198	0.079	0.079	0.118	0.118	3.31	0.319	0.429	7.7			
9 x 12	0.354			0.472		0.177	0.146	0.163	1709	1281	3.4	228	0.079	0.079	0.118	0.118	3.75	0.358	0.469	5.2			
10 x 13	0.394			0.512		0.177	0.146	0.180	1551	1416	4.1	252	0.079	0.079	0.118	0.118	3.97	0.398	0.508	7.2			
11 x 14	0.433		-0	0.551	+0.0007	0.177	0.146	0.198	1686	1551	4.7	270	0.079	0.079	0.118	0.118	4.41	0.437	0.547	8.6			
12 x 15	0.472		+0	0.591	-0.0004	0.177	0.146	0.215	1551	1686	5.9	300	0.079	0.079	0.118	0.118	4.85	0.476	0.587	11.1			
13 x 16	0.512			0.630		0.177	0.146	0.234	1439	1844	7.1	326	0.079	0.079	0.118	0.118	5.07	0.516	0.626	13.7			
14 x 18	0.551		-0	0.709	+0.0007	0.248	0.209	0.361	2518	2833	11.8	504	0.118	0.118	0.157	0.197	10.8	0.555	0.705	20.2			
15 x 19	0.591			0.748		0.248	0.209	0.388	2406	3035	13.6	540	0.118	0.118	0.157	0.197	11.7	0.594	0.744	24			
16 x 20	0.630			0.787		0.248	0.209	0.412	2271	3237	15.3	574	0.118	0.118	0.157	0.197	12.1	0.634	0.783	29			
17 x 21	0.669			0.827		0.248	0.209	0.439	2136	3440	17.1	612	0.118	0.118	0.157	0.197	12.8	0.673	0.823	33			
18 x 22	0.709			0.866		0.248	0.209	0.465	2046	3642	19.5	647	0.118	0.118	0.157	0.197	13.5	0.713	0.862	38			
19 x 24	0.748		-0	0.945	+0.0008	0.248	0.209	0.490	2833	3844	21.2	682	0.118	0.118	0.157	0.197	17.2	0.756	0.937	54			
20 x 25	0.787			0.984		0.248	0.209	0.516	2698	4047	24	719	0.118	0.118	0.157	0.197	18.1	0.795	0.976	61			
22 x 26	0.866		+0	1.024	-0.0005	0.248	0.209	0.567	2023	4451	28	791	0.118	0.118	0.157	0.197	15.9	0.874	1.016	58			
24 x 28	0.945		+0.0008	1.102		0.248	0.209	0.620	1866	4856	34	863	0.118	0.118	0.157	0.197	17.4	0.953	1.094	72			
25 x 30	0.984			1.181		0.248	0.209	0.645	2226	5058	37	899	0.118	0.118	0.157	0.197	22.1	0.992	1.173	100			
28 x 32	1.102			1.260		0.248	0.209	0.722	1664	5665	46	1007	0.118	0.118	0.157	0.197	19.8	1.110	1.252	100			
30 x 35	1.181			1.378		0.248	0.209	0.773	1911	6070	53	1079	0.118	0.118	0.157	0.197	26.5	1.189	1.370	148			
32 x 36	1.260			1.417		0.248	0.209	0.826	1754	6475	60	1151	0.118	0.118	0.157	0.197	22.1	1.268	1.409	131			
35 x 40	1.378			1.575		0.276	0.236	1.021	2271	8004	81	1421	0.118	0.118	0.157	0.197	44.1	1.386	1.567	199			
36 x 42	1.417		-0	1.654	+0.001	0.276	0.236	1.051	2698	8228	87	1475	0.118	0.118	0.157	0.197	44.1	1.425	1.646	259			
38 x 44	1.496			1.732		0.276	0.236	1.110	2473	8701	96	1547	0.118	0.118	0.157	0.197	44.1	1.504	1.724	290			
40 x 45	1.575		+0	1.772	-0.0006	0.315	0.260	1.285	3147	10117	117	1790	0.118	0.157	0.197	0.236	44.1	1.583	1.764	252			
42 x 48	1.654		-0	1.890	+0.001	0.315	0.260	1.349	3507	10567	129	1871	0.118	0.157	0.197	0.236	66	1.661	1.882	342			
45 x 52	1.772			2.047		0.394	0.339	1.883	5868	14838	194	2626	0.118	0.157	0.197	0.236	110	1.780	2.039	442			
48 x 55	1.890			2.165		0.394	0.339	2.009	5531	15737	220	2806	0.118	0.157	0.197	0.236	110	1.898	2.157	510			
50 x 57	1.969			2.244		0.394	0.339	2.093	5283	16412	239	2914	0.118	0.157	0.197	0.236	110	1.976	2.236	559			
55 x 62	2.165			2.441		0.394	0.339	2.302	4901	17986	289	3201	0.118	0.157	0.197	0.236	110	2.173	2.433	685			
56 x 64	2.205			2.520		0.472	0.409	2.835	6610	22257	363	3957	0.118	0.157	0.197	0.276	154	2.213	2.512	797			
60 x 68	2.362		-0	2.677	+0.0018	0.472	0.409	3.036	6160	23831	416	4227	0.118	0.157	0.197	0.276	154	2.370	2.669	929			
63 x 71	2.480			2.795		0.472	0.409	3.188	5913	24955	460	4460	0.118	0.157	0.197	0.276	176	2.488	2.787	1033			
65 x 73	2.559		+0	2.874	-0.0018	0.472	0.409	3.291	5710	25854	490	4604	0.118	0.157	0.197	0.276	176	2.567	2.866	1106			
70 x 79	2.756		-0	3.110	+0.0018	0.551	0.480	4.157	6969	32599	661	5755	0.118	0.197	0.236	0.276	243	2.768	3.098	1446			
71 x 80	2.795			3.150		0.551	0.480	4.216	6969	33049	685	5863	0.118	0.197	0.236	0.276	243	2.807	3.138	1490			
75 x 84	2.953			3.307		0.551	0.480	4.453	7779	34847	761	6187	0.118	0.197	0.236	0.276	265	2.965	3.295	1652			
80 x 91	3.150			3.583		0.669	0.591	5.840	10791	45638	1068	8094	0.157	0.197	0.236	0.315	265	3.161	3.571	2301			
85 x 96	3.346			3.780		0.669	0.591	6.206	10252	48561	1204	8633	0.157	0.197	0.236	0.315	441	3.358	3.768	2619			
90 x 101	3.543		-0	3.976	+0.0022	0.669	0.591	6.570	9757	51484	1351	9173	0.157	0.197	0.236	0.315	441	3.555	3.965	2951			
95 x 106	3.740			4.173		0.669	0.591	6.936	9263	54406	1505	9712	0.157	0.197	0.236	0.315	485	3.752	4.161	3305			
100 x 114	3.937		+0	4.488	-0.0022	0.827	0.736	9.102	13647	71268	2077	12590	0.157	0.236	0.276	0.354	882	3.949	4.476	4691			
110 x 124	4.331			4.882		0.827	0.736	10.011	14838	78462	2508	13849	0.157	0.236	0.276	0.354	882	4.343	4.870	5643			
120 x 134	4.724			5.276		0.827	0.736	10.921	13534	85432	2980	15108	0.157	0.236	0.276	0.354	1103	4.736	5.264	6771			
130 x 148	5.118		-0	5.827	+0.0025	1.102	0.996	16.008	21628	125450	4750	22302	0.197	0.276	0.354	0.433	1874	5.134	5.811	10231			
140 x 158	5.512		+0	6.220	-0.0025	1.102	0.996	17.239	20009	134892	5518	24101	0.197	0.276	0.354	0.433	2007	5.528	6.205	11942			
150 x 168	5.906			6.614		1.102	0.996	18.470	18997	144559	6314	25719	0.197	0.276	0.354	0.433	2139	5.921	6.598	13750			

* Only slit. For slit Locking Elements F₀ is eliminated in the calculation.

More sizes on request

Explanations to tables

$d, D, D_1, L, l, L_1, L_2$ = Basic dimensions,
Locking Assemblies not tightened

C_1 = shaft tolerances

C_b = hub bore tolerances

C_2 = bore tolerances

T = transmissible torque

F_{ax} = transmissible axial force

p_w = surface pressure between Locking Assembly
and shaft

p_N = surface pressure between Locking Assembly
and hub

n = quantity

d_G = clamping thread

T_A = maximum tightening torque for the screws
considered in order to determine the values
 T, F_{ax}, p_w and p_N

D_N = minimum required outside hub diameter

$R_{p0,2}$ = minimum required yield point of hub material

$d1$ = clamp plate bore

$D1$ = spacer sleeve OD

T_{max} = maximum theoretical transmissible torque

B = minimum hub width (calculation formula at
www.ringfeder.com)

STAINLESS



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