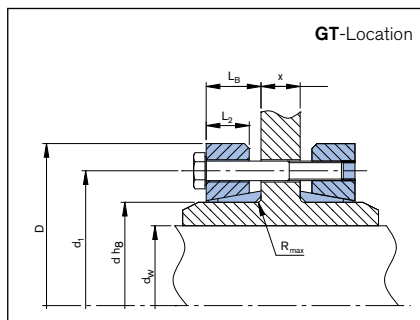
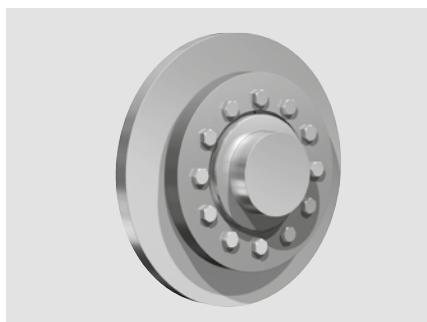
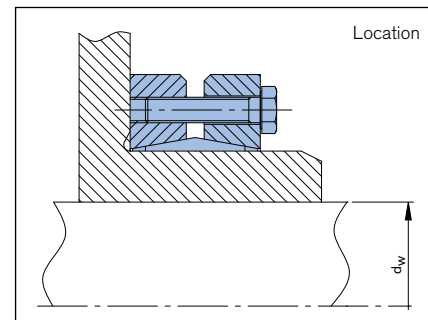
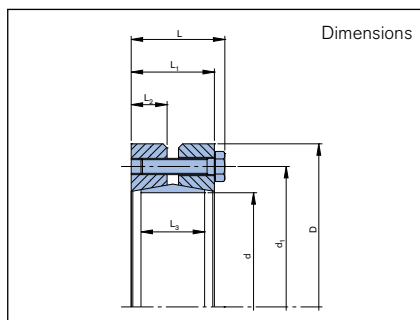
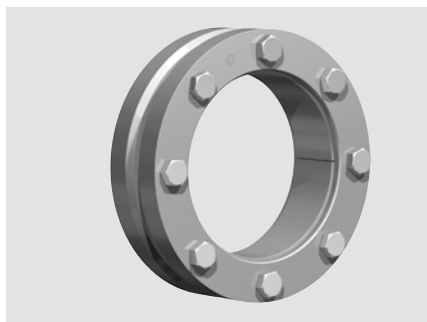


RINGFEDER® Shrink Discs

RfN 4051

Light Duty Series · split

**d** = Inner ring diameter**D** = Outer diameter**dw** = Solid shaft diameter**d1** = Pitch circle diameter**L** = Overall width**L1** = Overall width without screws**L2** = Thrust ring width**L3** = Width of ring**Lb** = Width of the half Shrink Disc**TA** = Max tightened torque of the screws**T** = Transmissible torque at given T_A **F_{ax}** = Transmissible axial force**P** = Hub surface pressure**n_{Sc}** = Quantity of locking screws**D_G** = Thread**Gw** = Weight**σ_v** = Equivalent stress in the hubCalculated combined stress in the hub extension (d/d_w) under consideration of the tangential, radial and torsional stresses.**T_{max}** = Max. transmissible torque

Shrink discs dimensions										Transmissible torques or axial forces		P	σ _v	Locking screws ¹⁾ ISO 4014/4017 - 10.9		Gw	T _{max}
d	x	D	dw	d1	L	L1	L2	L3	Lb	TA ¹⁾	T	F _{ax}		n _{Sc}	D _G		
mm			mm	mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²	N/mm ²		kg	Nm
125	x	185	95								10550	220		278			13200
			100	158	58	51	22	39	30,5	59	12100	240	191	280	8	M 10	15125
			105								13800	260		288			17250
			110								14800	265		268			18500
140	x	220	120	175	58	51	22	39	30,85	59	18640	310	192	281	9	M 10	23300
			125								20500	325		315			25625
			130								24000	365		293			30000
			135	192	58	51	22	39	30,5	59	26400	390	212	306	11	M 10	33000
155	x	245	140								29000	410		334			36250
			135								32000	475		298			40000
			140								35200	500	224	308	10	M 12	44000
			145	210	70	62	26	46	36	100	38500	530		327		14	48125

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RINGFEDER® Shrink Discs

RfN 4051

Light Duty Series · split

Shrink discs dimensions										T _A ¹⁾	Transmissible torques or axial forces		P	σ _v	Locking screws ¹⁾ ISO 4014/4017 - 10.9		G _w	T _{max}
d	x	D	d _w	d ₁	L	L ₁	L ₂	L ₃	L _B		T	F _{ax}			n _{Sc}	D _G		
mm			mm	mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²	N/mm ²			kg	Nm
175	x	275	145								39000	535	232	302				48750
			150	220	70	62	26	46	36	100	42400	560	232	313	11	M 12	14,7	53000
			155								46000	590	232	334				57500
185	x	295	155								46600	600	240	307				58250
			160	225	70	62	26	46	36	100	50300	625	240	319	12	M 12	17,2	62875
			165								54000	650	240	341				67500
195	x	315	165								63000	760	233	306				78750
			170	237	80	72	31	56	41	100	67700	795	233	323	15	M 12	23,8	84625
			175								72500	825	233	355				90625
200	x	330	175								74000	850	243	334				92500
			180	242	80	72	31	56	41	100	79500	890	243	368	16	M 12	26,8	99375
			185								84500	915	243	440				105625
220	x	345	180								82800	920	220	277				103500
			190	265	94	84	36	66	47	250	93500	980	220	306	10	M 16	32	116875
			200								105000	1055	220	367				131250
240	x	370	200								113000	1135	243	304				141250
			210	290	94	84	36	66	47	250	127500	1210	243	330	12	M 16	36	159375
			215								134500	1250	243	356				168125
260	x	395	220								149000	1350	240	303				186250
			230	310	102	92	40	72	52,5	250	165000	1435	240	334	14	M 16	48	206250
			235								173000	1475	240	364				216250
280	x	425	230								171000	1485	218	270				213750
			240	333	114	104	46	84	59,5	250	189000	1570	218	287	16	M 16	60	236250
			250								208000	1660	218	324				260000
300	x	460	250								215000	1720	229	279				268750
			260	358	114	104	46	84	59,5	250	234000	1800	229	303	18	M 16	70	292500
			270								255000	1890	229	342				318750
320	x	495	270								260000	1940	239	293				325000
			280	378	116	106	48	84	60,5	250	284000	2030	239	313	20	M 16	84	355000
			290								306000	2125	239	355				382500
340	x	535	290								300000	2070	236	288				375000
			300	402	116	106	48	84	60,5	250	324000	2160	236	309	21	M 16	100	405000
			305								337000	2210	236	326				421250
350	x	545	300								372000	2485	230	292				465000
			305	413	135	122	54	100	68,5	490	385000	2540	230	304	16	M 20	120	481250
			310								400000	2590	230	320				500000
360	x	555	300								360000	2400	223	270				450000
			310	423	135	122	54	100	68,5	490	388000	2500	223	284	16	M 20	125	485000
			320								415000	2590	223	314				518750
380	x	585	320								435000	2720	213	268				543750
			325	442	149	136	60	112	75,5	490	451000	2780	213	275	18	M 20	150	563750
			330								467000	2835	213	285				583750
390	x	595	330								505000	3060	230	285				631250
			340	452	149	136	60	112	78	490	540000	3175	230	304	20	M 20	156	675000
			350								577000	3295	230	337				721250
400	x	615	340								550000	3235	236	291				687500
			350	462	149	136	60	112	78	490	587000	3360	236	311	21	M 20	164	733750
			360								626000	3480	236	345				782500
420	x	630	350								578000	3300	219	265				722500
			360	485	157	144	64	120	82	490	617000	3425	219	277	22	M 20	185	771250
			370								655000	3545	219	297				818750

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RINGFEDER® Shrink Discs

RfN 4051

Light Duty Series · split

Shrink discs dimensions										T _A ¹⁾	Transmissible torques or axial forces		P	σ _v	Locking screws ¹⁾ ISO 4014/4017 - 10.9		G _w	T _{max}
d	x	D	d _w	d ₁	L	L ₁	L ₂	L ₃	L _B		T	F _{ax}			n _{Sc}	D _G		
mm			mm	mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²	N/mm ²			kg	Nm
440	x	660	370	505	157	144	64	120	82	490	677000	3660	229	287	24	M 20	205	846250
			380								719000	3785						898750
			390								762000	3910						952500
460	x	685	390	527	171	158	71	132	91,5	490	840000	4320	232	299	28	M 20	235	1050000
			400								890000	4460						1112500
			410								935000	4580						1170000
480	x	715	410	547	171	158	71	132	91,5	490	891000	4350	222	290	28	M 20	255	1113750
			420								941000	4480						1176250
			425								966000	4548						1207500
500	x	750	425	567	171	158	71	132	91,5	490	986000	4645	228	281	30	M 20	285	1232500
			430								1013000	4712						1266250
			440								1066000	4845						1332500

[More sizes on request](#)

Ordering example: RfN 4051

Series	d	D	Version
RfN 4051	420	630	
RfN 4051	420	630	GT

GT = split

¹⁾ Shrink discs GT delivered without screws. Tightening torques for screws see table

- Surface finishes for shaft $R_a \leq 3,2 \mu\text{m}$
- Tolerances for shaft see table
- When using a hollow shaft instead of a solid shaft please contact our Engineering-Team

d _w		ISO	max. Clearance S
above	up to		mm
6	10	H6/j6	0,011
10	18		0,014
18	30		0,017
30	50	H6/h6	0,032
50	80	H6/g6	0,048
80	120	H7/g6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123
500	630		0,136
630	800		0,154