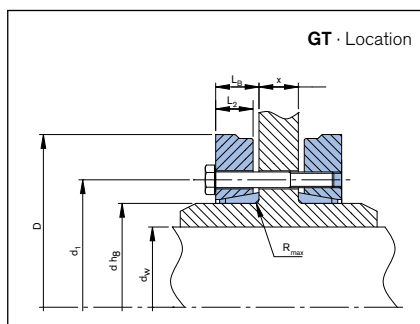
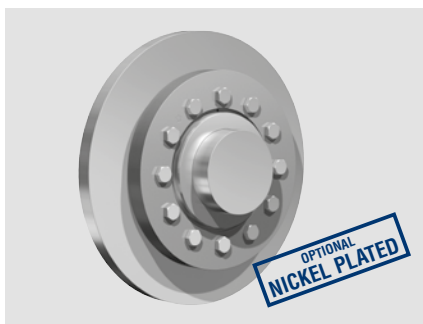
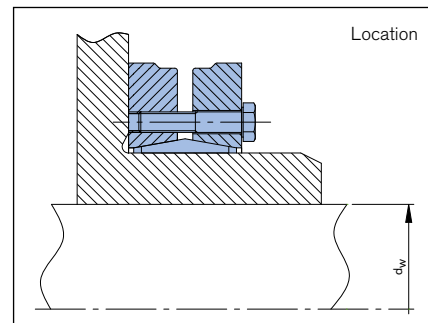
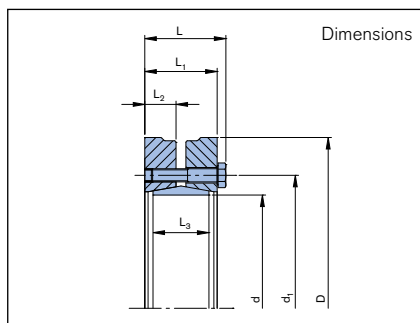
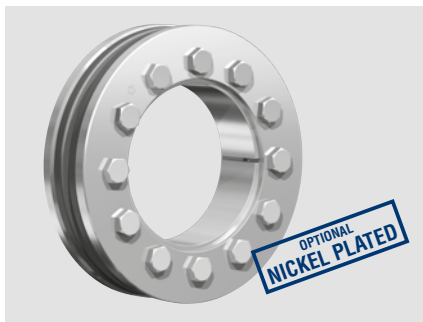


RINGFEDER® Shrink Discs

RfN 4061

Standard 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 TA
Fax = Transmissible axial force
P = Hub surface pressure
nSc = Quantity of locking screws

DG = Thread
Gw = Weight
σv = Equivalent stress in the hub
 Calculated combined stress in the hub extension (d/dw) under consideration of the tangential, radial and torsional stresses.
Tmax = Max. transmissible torque

Shrink discs dimensions										Transmissible torques or axial forces		P	σv	Locking screws ¹⁾ ISO 4014/4017 - 10.9		Gw	Tmax
d	x	D	dw	d1	L	L1	L2	L3	LB	TA ¹⁾	T			nSc	DG		
mm			mm	mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²			kg	Nm
14	x	37	10								30	8	278	415			37,5
			11	24	14,8	12	5	9	9,5	2,4	37	8	278	474	3	M 4*	46
			12								48	10	278	557			60
16	x	41	12								70	15	336	509			90
			13	27	18,5	15	6,25	12	9,5	4	90	18	336	575	4	M 5	110
			14								110	20	336	774			130
18	x	44	14								90	16	299	459			110
			15	29	18,5	15	6,25	12	9,5	4	100	18	299	523	4	M 5	130
			16								120	20	299	705			160
20	x	46	15								110	20	336	462			140
			16	32	21	17,5	7	12	11,5	4	140	22	336	497	5	M 5	170
			17								160	24	336	580			200
21	x	50	16								200	31	384	534			250
			17	36	22,5	19	8	15	11,8	5	230	34	384	602	6	M 5	290
			18								260	37	384	746			330

To continue see next page

RINGFEDER® Shrink Discs

RfN 4061

Standard 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		T	F _{ax}			n _{Sc}	D _G		
mm			mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²	N/mm ²			kg	Nm
24	x	50	19							240	32	336	495				300
			20	36	22,5	19	8	15	11,8	270	35	336	554	6	M 5	0,2	340
			21							300	38	336	679				390
30	x	52	24							350	38	261	390				450
			25	41,5	26	22,5	9,5	18	12,8	400	41	261	426	7	M 5	0,2	500
			26							440	43	261	492				560
36	x	72	28							590	53	303	390				730
			30	52	27,5	23,5	10	18	13,8	690	58	303	438	5	M 6	0,5	860
			31							700	58	303	536				890
38	x	72	29							700	62	295	378				890
			30	55	30	26	10,5	21	15,2	770	65	295	394	6	M 6	0,5	970
			31							780	63	295	474				980
40	x	72	30							720	61	310	375				900
			31	57	28,5	24,5	10,5	19	14,8	730	59	310	450	6	M 6	0,5	910
			32							790	62	310	460				990
44	x	80	32							800	63	312	429				1000
			35	63	30	26	11	20	15,3	1000	73	312	444	7	M 6	0,5	1250
			36							1050	76	312	458				1350
48	x	80	36							900	65	260	371				1150
			38	68	30	26	11	22	15,8	1050	72	260	380	7	M 6	0,6	1350
			40							1200	78	260	403				1550
50	x	90	38							1350	89	314	418				1650
			40	70	31,5	27,5	12	22,5	16,3	1500	96	314	433	9	M 6	0,9	1900
			42							1700	103	314	467				2150
55	x	100	42							1300	78	248	343				1600
			45	75	34,5	30,5	13	23	17,8	1550	87	248	359	8	M 6	1,1	1950
			48							1800	96	248	410				2300
62	x	110	48							2400	126	330	407				3000
			50	86	34,5	30,5	13	23	17,8	2650	133	330	419	12	M 6	1,3	3300
			52							2800	136	330	482				3500
68	x	115	50							1900	95	245	314				2350
			55	86	34,5	30,5	13	23,5	17,8	2250	104	245	367	10	M 6	1,4	2850
			60							2850	121	245	411				3600
75	x	138	55							2650	121	277	377				3300
			60	100	37,8	32,5	14	25	19,7	3300	139	277	382	7	M 8	2,3	4150
			65							4050	158	277	416				5100
80	x	145	60							3200	126	259	353				4000
			65	100	37,8	32,5	14	25	19,7	3900	143	259	358	7	M 8	2,5	4900
			70							4600	160	259	392				5750
85	x	155	60							4850	189	325	404				6050
			65	114	45,8	40,5	16	30	23	5800	212	325	407	11	M 8	3,5	7250
			70							6800	235	325	427				8500
90	x	155	65							4800	174	274	353				6000
			70	114	44,5	39	17	30	23	6050	195	274	356	10	M 8	3,3	7550
			75							7300	215	274	372				9150
95	x	170	65							5350	195	275	349				6700
			70	127	52,5	47,2	19	34	23,5	6750	217	275	349	12	M 8	4,7	8450
			75							8150	240	275	355				10200
100	x	170	70							6950	202	261	331				8700
			75	127	52,5	47,2	19	34	25,5	7600	223	261	331	12	M 8	4,5	9500
			80							9100	245	261	338				11350
110	x	185	75							8150	259	254	316				10150
			80	145	59,4	53	23	42	28,5	10100	285	254	316	10	M 10	6,3	12600
			85							12200	296	254	357				15250

To continue see next page

RINGFEDER® Shrink Discs

RfN 4061

Standard 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		T	F _{ax}			n _{Sc}	D _G		
mm			mm	mm	mm	mm	mm	mm	Nm	Nm	kN	N/mm ²	N/mm ²			kg	Nm
115	x	185	80							9500	267	243	302				11850
			90	145	62,4	56	23	42	59	12100	302	243	342	10	M 10	6,1	15100
			95							14050	329	243	353				17550
125	x	215	85							11050	300	269	354				13800
			90	160	60,4	54	23	42	59	13100	327	269	352	12	M 10	8,7	16350
			95							15150	355	269	352				18950
140	x	230	95							15100	365	263	336				18850
			100	175	68	60,5	26	46	100	17550	395	263	335	10	M 12	10,6	21900
			105							20000	424	263	335				25000
165	x	290	115							31400	601	280	334				39300
			120	210	81	71	31	56	250	35500	637	280	335	8	M 16	21,7	44400
			125							39400	664	280	348				49250
185	x	330	135							52500	786	246	307				65600
			140	236	96,4	86,4	38,2	71	250	57350	828	246	310	10	M 16	36	71650
			145							62400	870	246	314				78000
195	x	350	140							65950	943	280	332				82450
			150	246	96	86	38,2	71	250	77600	1035	280	338	12	M 16	40	97000
			155							83750	1081	280	345				104700
200	x	350	150							75000	1000	273	326				93750
			155	246	96	86	38,2	71	250	81000	1045	273	330	12	M 16	39	101200
			160							87200	1091	273	337				109000

More sizes on request

Ordering example: RfN 4061

Series	d	D	Version
RfN 4061	185	330	
RfN 4061	185	330	N
RfN 4061	110	185	GT
RfN 4061	110	185	GT-N

N = nickel plated

GT = Split

GT-N = Split - nickel plated

*) Different quality of screws. ISO 4014/4017 - 8.8

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

N = Nickel plated series

- 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 mm
above	up to		
6	10	H6/j6	0,011
10	18		0,014
18	30		0,017
30	50	H6/h6	0,032
50	80	H7/g6	0,048
80	120		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

Subject to technical change.