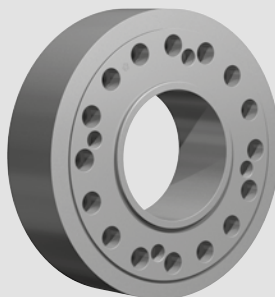


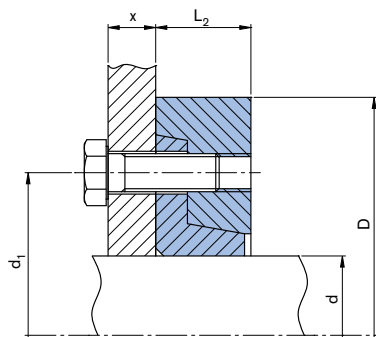
RINGFEDER® Shrink Discs

RfN 4022

Standard Series

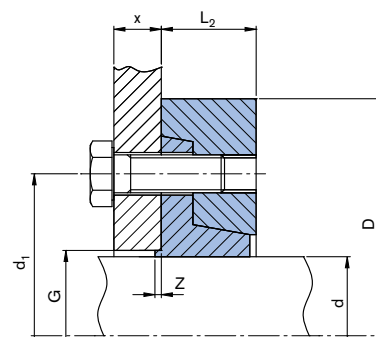


SDA



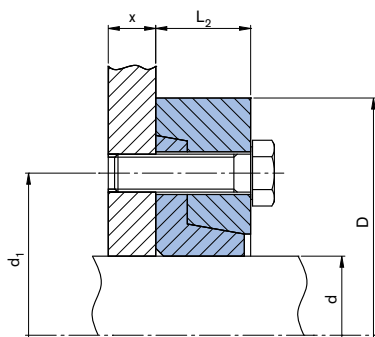
RfN 4022 configuration SDA · Thread in shrink disc without centering

SDB



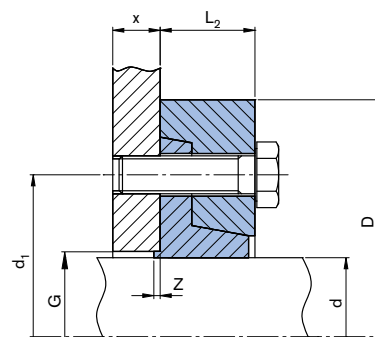
RfN 4022 configuration SDB · Thread in shrink disc with centering

SDC



RfN 4022 configuration SDC · Through boring in shrink disc without centering

SDD



RfN 4022 configuration SDD · Through boring in shrink in shrink disc with centering

RINGFEDER® Shrink Discs

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Standard Series

d = Inner ring diameter	L₂ = Thrust ring width	n_{Sc} = Quantity of locking screws
D = Outer diameter	Z = Depth of center value	D_G = Thread
d₁ = Pitch circle diameter	T_A = Max tightened torque of the screws	Gw = Weight
G = Center diameter	T = Transmissible torque at given T _A	

Type	Shrink discs dimensions							T _A ¹⁾	Transmissible torques T	Locking screws ¹⁾ ISO 4014/4017 - 10.9		Gw
	d	x	D	d ₁	G ²⁾	L ₂	Z			n _{Sc}	D _G	
	mm			mm	mm	mm	mm	Nm	Nm			kg
12 SD-x	11 12 --	x	35,5	24	14	10	1,5	12	50 50 --	3	M6	0,1
14 SD-x	13 14 --	x	38	26	16	10	1,5	12	70 70 --	3	M6	0,1
16 SD-x	15 16 --	x	41	28	18	14	2	12	80 80 --	3	M6	0,1
18 SD-x	17 18 --	x	44	30	20	14	2	12	130 130 --	4	M6	0,1
20 SD-x	19 20 --	x	47	32	22	15	2	12	140 140 --	4	M6	0,2
25 SD-x	22 24 25	x	50	36	27	19	2	12	200 200 200	5	M6	0,2
30 SD-x	26 28 30	x	60	44	32	19	3	12	300 300 300	6	M6	0,3
35 SD-x	32 35 36	x	72	52	38	21	3	30	450 500 500	5	M8	0,5
40 SD-x	38 40 44	x	80	61	46	23	3	30	720 750 750	6	M8	0,6
50 SD-x	42 45 50	x	90	68	53	25	3	30	1.000 1.300 1.300	8	M8	0,9
55 SD-x	45 52 55	x	100	72	58	27	3	30	1.600 1.600 1.600	8	M8	1,2
60 SD-x	50 60 62	x	110	80	63	27	3	30	2.000 2.000 2.000	9	M8	1,4
70 SD-x	60 65 70	x	115	86	74	27	4	30	2.100 2.100 2.100	9	M8	1,4
80 SD-x	70 75 80	x	138	100	84	29	4	59	4.000 4.000 4.000	10	M10	2,2
90 SD-x	80 85 90	x	155	114	94	35	4	59	5.700 5.700 5.700	12	M10	3,4

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RINGFEDER® Shrink Discs

RfN 4022

Standard Series

Type	Shrink discs dimensions						T _A ¹⁾	Transmissible torques T	Locking screws ¹⁾ ISO 4014/4017 - 10.9		G _w
	d	x	D	d ₁	G ²⁾	L ₂			n _{Sc}	D _G	
	mm			mm	mm	mm	Nm	Nm			kg
100 SD-x	90							8.400			
	95	x	170	124	104	40	100	8.400	12	M12	5
	100							8.400			
110 SD-x	100							9.200			
	105	x	185	136	116	47	100	9.200	12	M12	6
	110							9.200			
125 SD-x	115							20.000			
	120	x	215	160	126	50	250	21.000	12	M16	9
	125							21.000			
140 SD-x	130							26.000			
	135	x	230	172	146	54	250	26.000	14	M16	11
	140							26.000			
155 SD-x	150							31.000			
	155	x	263	192	166	58	250	31.000	15	M16	15
	160							31.000			
170 SD-x	160							36.000			
	165	x	290	204	176	62	250	36.000	16	M16	21
	170							36.000			
180 SD-x	170							43.000			
	175	x	300	218	186	62	250	43.000	18	M16	22
	180							43.000			
190 SD-x	180							60.000			
	185	x	320	232	196	79	490	60.000	15	M20	32
	190							60.000			
200 SD-x	190							67.000			
	195	x	340	246	206	79	490	67.000	16	M20	37
	200							67.000			
220 SD-x	200							93.000			
	210	x	370	270	226	98	850	93.000	14	M24	53
	220							93.000			
240 SD-x	220							117.000			
	230	x	405	296	246	101	850	117.000	16	M24	66
	240							117.000			
260 SD-x	240							126.000			
	250	x	430	318	266	112	850	126.000	16	M24	80
	260							126.000			
280 SD-x	260							151.000			
	270	x	460	340	286	126	850	151.000	18	M24	103
	280							151.000			
300 SD-x	280							178.000			
	290	x	485	360	306	130	850	178.000	20	M24	116
	300							178.000			
320 SD-x	280							248.000			
	300	x	520	380	330	130	1.250	248.000	20	M27	134
	320							248.000			
340 SD-x	300							275.000			
	320	x	570	402	350	144	1.250	275.000	21	M27	185
	340							275.000			
360 SD-x	320							290.000			
	340	x	590	424	370	144	1.250	290.000	21	M27	172
	360							290.000			

To continue see next page

RINGFEDER® Shrink Discs

RfN 4022

Standard Series

Type	Shrink discs dimensions						$T_A^{1)}$	Transmissible torques T	Locking screws ¹⁾ ISO 4014/4017 - 10.9		Gw
	d	x	D	d ₁	G ²⁾	L ₂			n _{Sc}	D _G	
	mm			mm	mm	mm	mm	Nm			kg
390 SD-x	350										
	370	x	630	458	400	148	8	1.700			
	390								20	M30	222
420 SD-x	380										
	400	x	650	490	430	168	8	1.700			
	420								21	M30	253
440 SD-x	400										
	420	x	670	512	450	176	8	1.700			
	440								21	M30	275

Ordering examples: RfN 4022

Series	Type	d
RfN 4022	40 SDA	40
RfN 4022	40 SDB	40
RfN 4022	40 SDC	40
RfN 4022	40 SDD	40

x = Configuration

SDA = Thread in shrink disc without centering

SDB = Thread in shrink disc with centering

SDC = Through boring in shrink disc without centering

SDD = Through boring in shrink disc with centering

¹⁾ Shrink discs delivered without screws. Tightening torques for screws see table²⁾ The bore tolerance of the customer component should be within the fit tolerance G6 and H7

- Surface finishes for shaft $R_a \leq 3,2 \mu\text{m}$
- Tolerances for shaft h9
- When using a hollow shaft instead of a solid shaft please contact our Engineering-Team