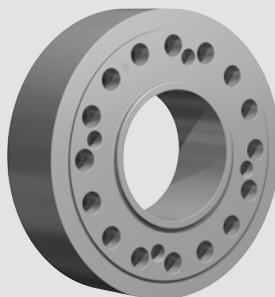


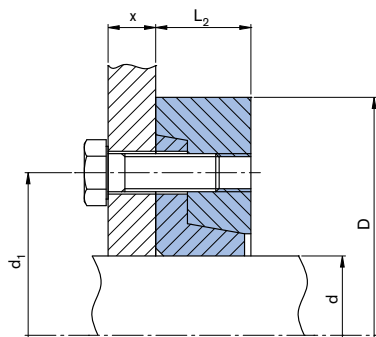
RINGFEDER® Shrink Discs

RfN 4023

Heavy Duty Series

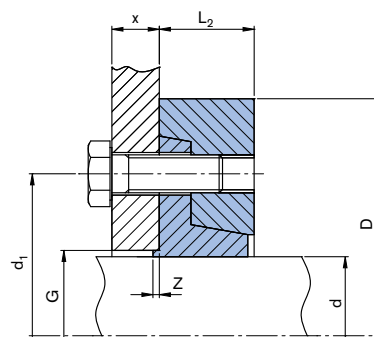


SDA



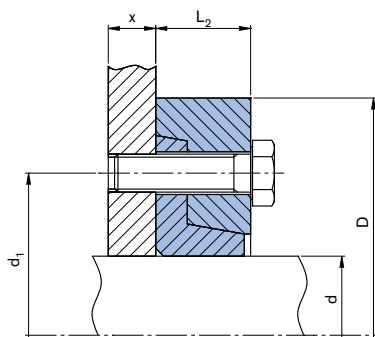
RfN 4023 configuration SDA · Thread in shrink disc without centering

SDB



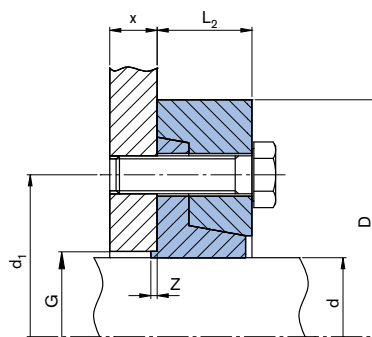
RfN 4023 configuration SDB · Thread in shrink disc with centering

SDC



RfN 4023 configuration SDC · Through boring in shrink disc without centering

SDD



RfN 4023 configuration SDD · Through boring in shrink in shrink disc with centering

RINGFEDER® Shrink Discs

RfN 4023

Heavy Duty 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			n _{Sc}	D _G	
	mm			mm	mm	mm	mm	Nm			kg
50 SD-x	40								1.400		
	45	x	115	84	53	30	3	100	2.200	7	M12
	50								3.300		2
60 SD-x	50								2.300		
	55	x	120	94	63	34	3	100	3.500	9	M12
	60								4.700		2,2
70 SD-x	60								5.800		
	65	x	155	112	74	40	4	250	7.600	8	M16
	70								9.400		4,7
80 SD-x	70								8.000		
	75	x	167	130	84	44	4	250	10.000	9	M16
	80								12.000		6,1
90 SD-x	80								12.000		
	85	x	185	144	94	50	4	250	15.000	12	M16
	90								18.000		8
100 SD-x	90								16.000		
	95	x	197	156	104	54	4	250	19.000	14	M16
	100								23.000		9,5
110 SD-x	100								22.000		
	105	x	215	166	116	58	5	490	26.000	10	M20
	110								27.000		12
120 SD-x	110								33.000		
	115	x	230	186	126	65	5	490	38.000	14	M20
	120								43.000		15
140 SD-x	120								39.000		
	130	x	290	216	146	76	5	490	50.000	16	M20
	140								56.000		30
160 SD-x	140								64.000		
	150	x	320	234	166	83	5	850	77.000	14	M24
	160								77.000		40
180 SD-x	160								85.000		
	170	x	340	276	186	94	5	850	101.000	16	M24
	180								104.000		48
200 SD-x	180								114.000		
	190	x	370	290	206	96	5	1.250	133.000	16	M27
	200								144.000		57
220 SD-x	200								159.000		
	210	x	405	320	226	97	5	1.250	178.000	18	M27
	220								178.000		71
240 SD-x	220								211.000		
	230	x	430	340	246	110	5	1.250	211.000	20	M27
	240								211.000		86
260 SD-x	240								234.000		
	250	x	460	356	286	119	5	1.250	234.000	21	M27
	260								232.000		109

To continue see next page

RINGFEDER® Shrink Discs

RfN 4023

Heavy Duty 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
280 SD-x	260							234.000			
	270	x	485	360	306	125	5	1.250	21	M27	125
	280							234.000			
300 SD-x	280							247.000			
	290	x	520	380	330	130	5	1.250	21	M27	144
	300							247.000			
320 SD-x	300							299.000			
	310	x	550	402	350	136	8	1.250	24	M27	167
	320							299.000			
340 SD-x	320							315.000			
	330	x	570	424	370	142	8	1.250	24	M27	183
	340							315.000			
360 SD-x	340							410.000			
	350	x	610	454	400	147	8	1.700	24	M30	218
	360							410.000			
390 SD-x	360							439.000			
	380	x	630	486	430	167	8	1.700	24	M30	250
	390							439.000			
420 SD-x	390							457.000			
	410	x	670	506	450	175	10	1.700	24	M30	292
	420							457.000			
440 SD-x	400							562.000			
	420	x	700	534	470	175	10	1.700	28	M30	318
	440							562.000			

Ordering examples: RfN 4023

Series	Type	d
RfN 4023	50 SDA	45
RfN 4023	50 SDB	45
RfN 4023	50 SDC	45
RfN 4023	50 SDD	45

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