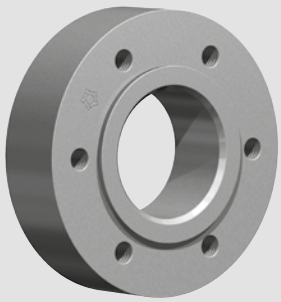
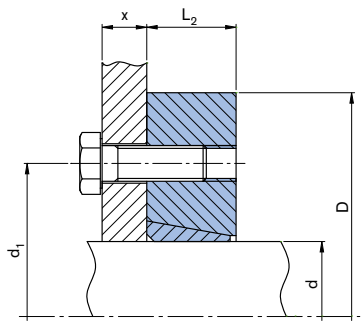
RINGFEDER® Shrink Discs

RfN 4012

Light Duty Series

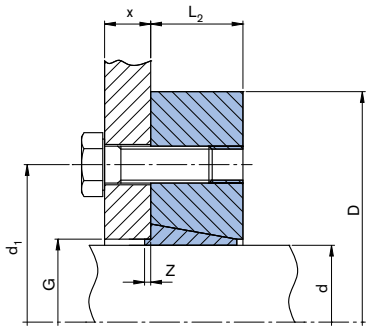


SDA



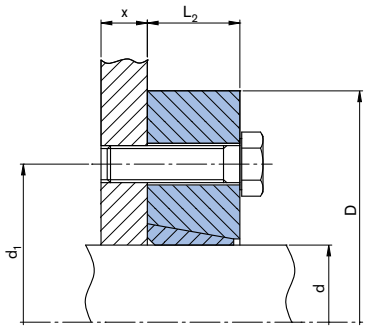
RfN 4012 configuration SDA · Thread in shrink disc without centering

SDB



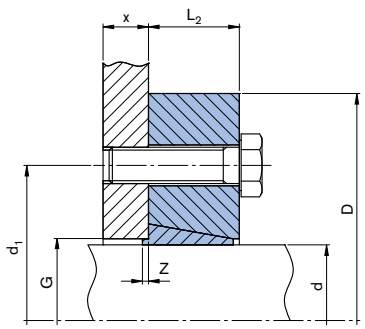
RfN 4012 configuration SDB · Thread in shrink disc with centering

SDC



RfN 4012 configuration SDC · Through boring in shrink disc without centering

SDD



RfN 4012 configuration SDD · Through boring in shrink in shrink disc with centering

RINGFEDER® Shrink Discs

RfN 4012

Light Duty Series

d	= Inner ring diameter	**L_2**	= Thrust ring width	**n_{Sc}**	= Quantity of locking screws
D	= Outer diameter	**Z**	= Depth of center value	**D_G**	= Thread
d_1	= 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								Transmissible torques	Locking screws[1] ISO 4014/4017 - 10.9		
	d	x	D	d_1	G [2]	L_2	Z	T_A[1]	T	n_{Sc}	D_G	Gw
	mm			mm	mm	mm	mm	Nm	Nm			kg
10 SD-x	9 10 11	x	39	25	12	10	1,5	12	20 20 20	3	M6	0,1
12 SD-x	11 12 13	x	44	28	14	13	1,5	12	50 50 50	3	M6	0,1
15 SD-x	14 15 16	x	52	36	18	15	2	30	130 130 130	3	M8	0,2
20 SD-x	16 18 20	x	60	42	22	17	2	30	200 200 200	3	M8	0,3
25 SD-x	20 22 25	x	66	48	27	19	2	30	340 340 340	5	M8	0,4
30 SD-x	25 28 30	x	76	56	32	21	2	30	550 550 550	6	M8	0,6
40 SD-x	30 35 40	x	96	70	43	25	3	60	1.060 1.060 1.060	6	M10	1,2
50 SD-x	40 45 50	x	112	84	53	30	3	100	1.000 1.800 2.200	7	M12	1,8

Ordering examples: RfN 4012

Series	Type	d
RfN 4012	40 SDA	35
RfN 4012	40 SDB	35
RfN 4012	40 SDC	35
RfN 4012	40 SDD	35

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. Tigthening torques for srews see table**
[2] **The bore tolerance of the customer component should be within the fit tolerance G6 and H7**

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

Subject to technical change.