



Features	Code
Brake Disc	B
Form	F B S
Size of Brake Discs according to table	0125 to 1000
Thickness of brake disc (Standard)	12 25
Bore diameter according to table	014 to 220
Form pre drilled, finished bore without keyway, finished bore with keyway	V F B

Example for ordering

Brake Disc BF with a size of Brake Disc 200 mm, thickness of brake disc 12,5 mm and bore diameter 40 mm in Form F:

BF 0200/12 - 040 F

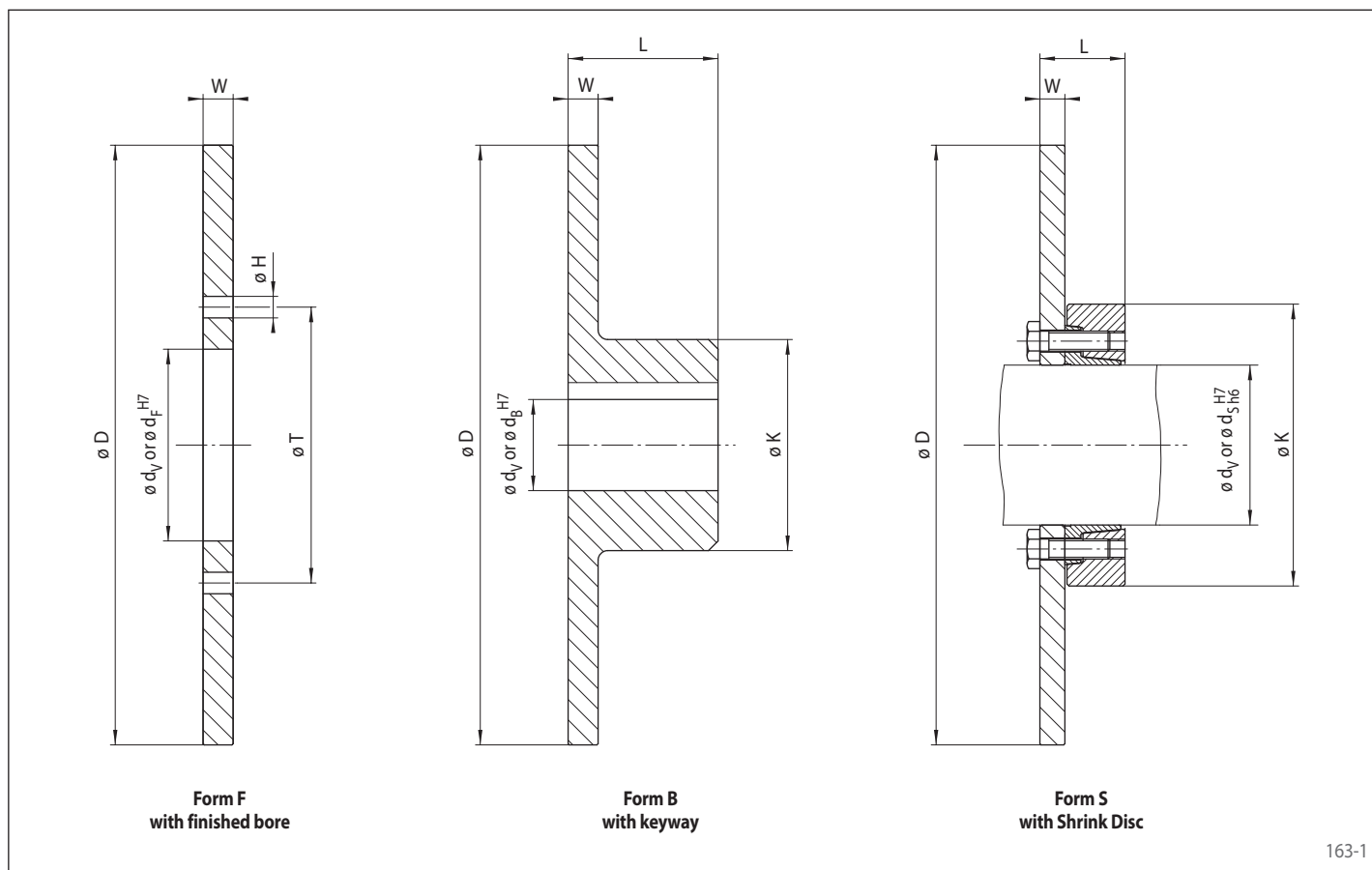
Technical Data

Size	Thickness of brake disc	Max. speed	Form F	Form B	Form S*		
					Clamping diameter	Inertia moment	Max. braking torque
D mm	W mm	n_{max} min ⁻¹	Inertia moment J kgm ²	Inertia moment J kgm ²	d mm	J kgm ²	M_{max} Nm
125	12,5	14 500	0,0022	0,0023	-	-	-
150	12,5	12 100	0,0045	0,0047	-	-	-
200	12,5	9 100	0,0141	0,0146	-	-	-
250	12,5	7 300	0,0345	0,0380	-	-	-
300	12,5	6 000	0,0720	0,0800	80	0,078	950
355	12,5 / 25	5 100	0,140 / 0,270	0,162 / 0,243	-	-	-
430	12,5 / 25	4 200	0,302 / 0,596	0,352 / 0,638	90	0,305	1 500
					140	0,405	3 750
					160	0,646	6 000
520	12,5 / 25	3 500	0,646 / 1,273	0,790 / 1,380	140	0,752	3 750
					160	0,990	6 000
					200	1,431	9 500
630	25	2 900	2,780	3,130	-	-	-
710	25	2 600	4,490	5,090	-	-	-
800	25	2 300	7,240	8,420	-	-	-
900	25	2 000	11,59	13,70	-	-	-
1 000	25	1 800	17,70	21,30	-	-	-

* Only available in thickness of brake disc W = 12,5 mm

Features

- Optimized for use with RINGSPANN Brakes
- Cast material for best heat absorption
- Ready to install versions are available
- Variants with finished bore, keyway or shrink disc
- Disk diameter ranging from 125 mm to 1000 mm
- The Brake Disc are made from EN 1563 EN-GJS500-7 (GGG-50 after DIN 1693)
- Other sizes of Brake Discs are available on request



Dimensions

Size	Thickness of brake disc	Pre drilled	Form F				Form B			Form S		
			Finished bore d_F	H	T	Z*	Max. finished bore d_B^{**}	L	K	Clamping diameter d_S	L***	K
D mm	W mm	d_V mm	d_F mm	H mm	T mm	Z*	Max. finished bore d_B^{**} mm	L mm	K mm	Clamping diameter d_S mm	L*** mm	K mm
125	12,5	-	40	9	56	4	32	37,5	50	-	-	-
150	12,5	-	50	9	66	4	40	42,5	60	-	-	-
200	12,5	-	63	11	83	8	45	52,5	65	-	-	-
250	12,5	-	80	11	100	8	70	62,5	100	-	-	-
300	12,5	-	100	14	122	8	80	72,5	120	80	46,5	141
355	12,5 / 25	-	110	14	132	10	100	82,5	145	-	-	-
430	12,5 / 25	50	125	14	147	12	115	97,5	170	90	52,5	155
										140	74,5	230
										160	84,5	290
										140	74,5	230
520	12,5 / 25	50	160	14	182	16	140	117,5	210	160	84,5	290
										160	84,5	290
										200	101,5	340
										-	-	-
630	25	75	-	-	-	-	155	150	250	-	-	-
710	25	95	-	-	-	-	180	165	280	-	-	-
800	25	95	-	-	-	-	200	185	320	-	-	-
900	25	120	-	-	-	-	210	205	360	-	-	-
1000	25	120	-	-	-	-	220	225	400	-	-	-

* Z = Number of holes ϕH pitch circle ϕT • ** Keyway according to DIN 6885, page 1 • *** At unclamped state

Brake Discs Form S

The following apply to the shaft:

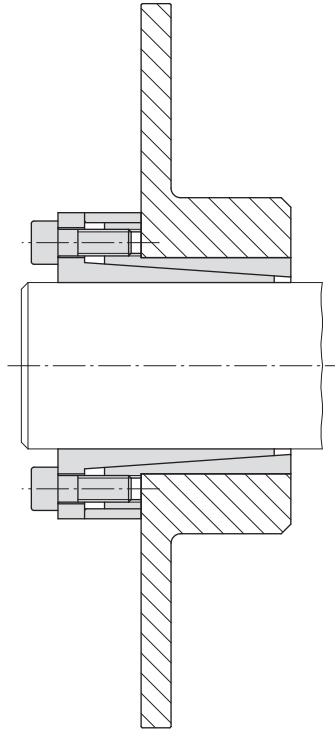
- Yield strength $R_e \geq 360 \text{ N/mm}^2$
- E-module ca. 206 kN/mm^2

Surfaces

Average surface roughness at the contact surfaces of the shaft $R_a \leq 3,2 \mu\text{m}$.

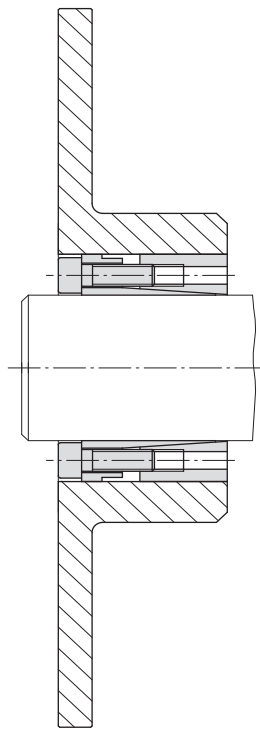
Dimensioning

Please refer to the technical points on page 165 when dimensioning the brake disc size.



**Cone Clamping Element RLK 110
with Brake Disc Form B**

164-1



**Cone Clamping Element RLK 130
with Brake Disc Form B**

164-2