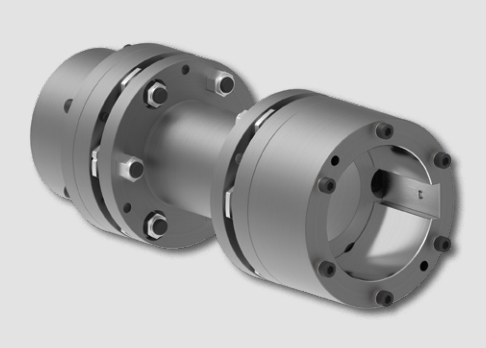
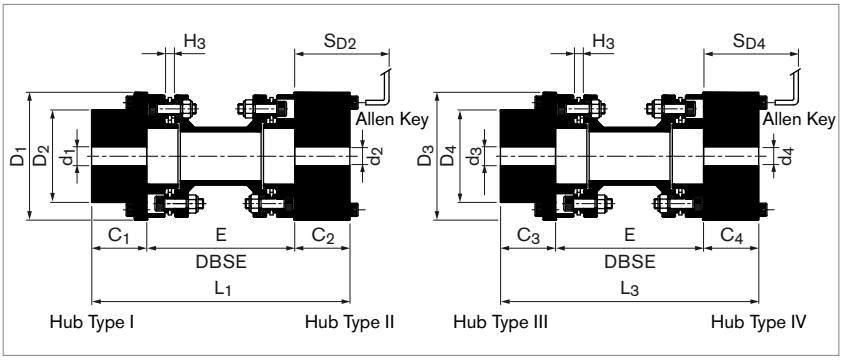
Steel Disc Couplings

RINGFEDER® RLDS BAB

Design with Straight Bores and Keyways. Compliant with API 610 and API 671. Radially Removable Transmission Units Consisting of Spacer and Disc Packs.





Size	T_{KN}	T_{kmax}	n_{max}	Bore Diameter Min. d_1/d_2	Bore Diameter Min. d_3/d_4	Bore Diameter Max. d_1 Type I	Bore Diameter Max. d_2 Type II	Bore Diameter Max. d_3 Type III	Bore Diameter Max. d_4 Type IV	D_1	D_2	D_3	D_4	C_1/C_2	C_3/C_4	Min. E	Std. E
BAB	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
8	95	190	7500	8	10	24	42	38	48	69	40	90	55	30	40	80	100, 140,
25	229	458	7000	10	15	38	48	48	72	90	55	108	70	40	45	89	180
65	621	1242	6000	15	20	48	72	65	92	108	70	135	86	45	55	103	140,
125	1203	2406	5200	20	25	65	92	80	102	135	86	152	108	55	60	128	180, 250
165	1910	3820	4800	25	30	80	102	90	120	152	108	182	130	60	70	148	
370	3466	6932	4400	30	45	90	120	108	140	182	130	197	158	70	90	161	180,
390	5586	11172	4200	45	55	108	140	127	155	197	158	225	181	90	95	175	250
790	7086	14172	4000	55	65	127	155	140	178	225	181	250	206	95	105	180	
1025	10380	20760	3800	65	70	140	178	155	192	250	206	275	223	105	115	194	
1425	14534	29068	3700	70	75	155	192	170	212	275	223	300	248	115	130	213	250
1880	18717	37434	3600	75	80	170	212	190	255	300	248	375	280	130	145	225	

Size	L_1	L_3	H_3	S_{D2}	S_{D4}	Gw Min. E	Gw Per Meter Extra E	J Min. E	J Per Meter Extra E	C_{Tdyn}	Max. Misalignment ΔK_a	Max. Misalignment ΔK_w	Max. Misalignment ΔK_r
BAB	mm	mm	mm	mm	mm	kg	kg	kg·m²	kg·m²	MNm/rad	mm	degrees	mm/mm E
8	160, 200, 240	180, 220, 260	6.5	80	90	1.48	1.71	0.001	0.001	0.018			
25	180, 220, 260	190, 230, 270	6.5	90	105	2.99	3.21	0.003	0.001	0.043			
65	230, 270, 340	250, 290, 360	8	105	120	6.30	7.77	0.008	0.003	0.100	±2		
125	250, 290, 360	260, 300, 370	9.5	120	125	12.49	7.43	0.026	0.006	0.232			
165	300, 370	320, 390	12	125	135	19.40	11.38	0.051	0.012	0.395		1.5°	0.013
370	320, 390	360, 430	13	135	155	31.49	15.23	0.116	0.025	0.749			
390	360, 430	370, 440	14.4	155	160	48.54	16.02	0.225	0.047	1.239			
790	370, 440	390, 460	16.2	160	170	69.50	28.24	0.408	0.076	1.649			
1025	460	480	19.5	170	190	97.98	28.23	0.708	0.079	2.179	±4		
1425	480	510	21.5	190	215	127.25	30.86	1.113	0.134	3.350			
1880	510	540	23.5	215	245	172.28	40.25	1.787	0.168	4.271			

To continue see next page

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Explanations

T_{KN}	= Nom. Transmissible Torque	$C_1/C_2/C_3/C_4$	= Guided Length in Bore Hub Type I / Hub Type II / Hub Type III / Hub Type IV	Gw	= Approx. Weight
T_{kmax}	= Short-Term Peak Torque			J	= Approx. Moment of Inertia
n_{max}	= Max. Rotational Speed	Min. E	= Min. Distance Between Shaft Ends	C_{Tdyn}	= Approx. Torsional Stiffness
$d_1/d_2/d_3/d_4$	= Bore Diameter Hub Type I / Hub Type II / Hub Type III / Hub Type IV	Std. E	= Std. Distance Between Shaft Ends	ΔK_a	= Max. Permissible Axial Misalignment
		L_1/L_3	= Total Length	ΔK_w	= Max. Permissible Angular Misalignment
D_1/D_3	= Max. Outer Diameter	H_3	= Width of Disc Pack	ΔK_r	= Max. Permissible Radial Misalignment
D_2/D_4	= Outer Diameter Hubs	S_{D2}/S_{D4}	= Disassembly Space		

Technical Information

- All dimensions are in millimeters, unless otherwise specified. Decimal points are used as decimal separators.
- Weight Gw, Moment of Inertia J and Torsional Stiffness C_{Tdyn} are given at maximum bore diameter with minimum standard E (DBSE) and with hub combination Type I / Type II.
- The values given for max. permissible axial, angular and radial shaft misalignment may not occur simultaneously. For further information, please refer to the related instruction manual.
- Dimension S_{D2} is applicable for hubs of Type II only. Dimension S_{D4} is applicable for hubs of Type IV only.
- Without further instructions on balancing, the coupling parts are balanced individually according to DIN 21940-11 in quality G 6,3 at 1500 1/min. The hubs are balanced half key (before grooving), the spacer without screwed-on disc packs.
- From a peripheral speed of 30 m/s, separate balancing of the individual coupling parts is recommended.
- Couplings with non-standard E (DBSE) available on request.
- For vertical installation, please contact RINGFEDER POWER TRANSMISSION.

Ordering example RLDS BAB

Series	Type	Hub Types	Size	Distance Between Shaft Ends E	Bore Diameter d_1	Bore Diameter d_2
RLDS	BAB	Type I / Type II	790	180	125	95

Ordering Information

- Please specify the hub types required for your application (combination of Type I, II, III, IV).
- Without further specifications, we deliver as standard: Bore tolerance H7; Keyway acc. to DIN 6885-1; Keyway width tolerance JS9; Set screw per hub. For bores complying with AGMA or other specifications, please contact RINGFEDER POWER TRANSMISSION.

Disclaimer of liability
All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right to carry out modifications at any time in the interests of technical progress.

RINGFEDER POWER TRANSMISSION