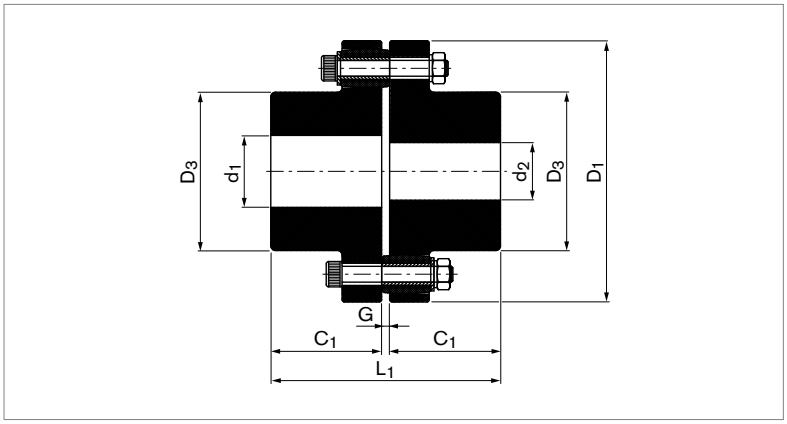
Pin & Bush Couplings

RINGFEDER® RLP

Standard Design with Straight Bores and Keyways (Type BWB), also available with Spacer (Type BSB)

RLP BWB: Type without Spacers



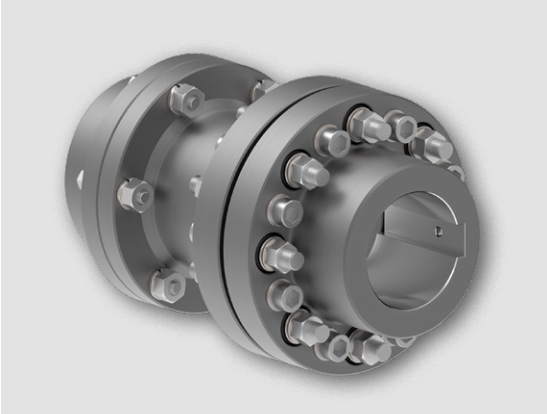


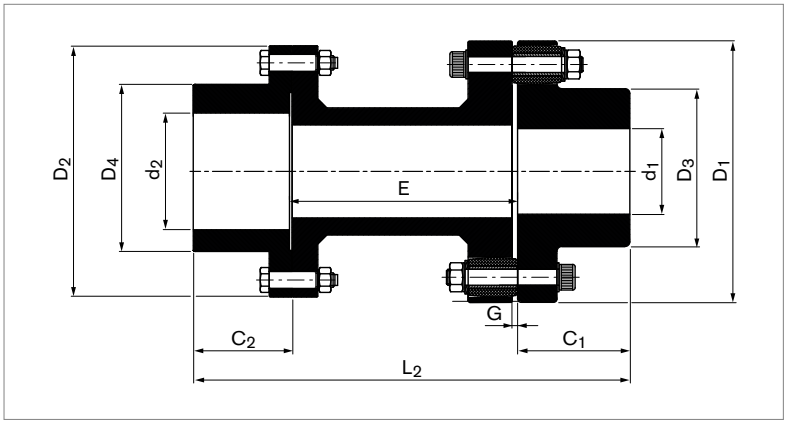
Size	T_{KN}	n_{max}	Bore Diameter d_1/d_2		D_1	D_3	C_1	G	L_1	Gw	J	n_{Sc}	D_G	Max. Misalignment		
			Min.	Max.										Δ_{Ka}	Δ_{Kr}	Δ_{Kw}
RLP	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	kg	kg·m2		mm	mm	mm	°
90	325	6000	16	35	90	48	40	3	83	2.53	0.002	8	M6	-	-	-
125	900	5800	16	50	125	70	50	3	103	6	0.009	12	M8	0.5	0.6	0.26
145	1500	5500	16	58	145	80	65	5	135	10.1	0.02	12	M10	0.5	0.6	0.25
165	2100	4800	22	75	165	100	70	5	145	14.7	0.037	12	M10	0.5	0.6	0.25
195	4200	4400	32	90	195	120	90	5	185	27.13	0.09	12	M12	0.5	0.8	0.24
240	9000	3600	42	110	240	150	105	5	215	46.6	0.246	16	M16	0.8	0.8	0.24
290	17000	3000	60	130	290	180	125	6	256	86.2	0.7	16	M20	0.8	0.8	0.2
320	22000	2600	70	150	320	210	151	6	308	124.3	1.17	16	M20	0.8	1	0.2
350	30000	2400	76	160	350	225	161	6	328	161.7	1.88	16	M24	0.8	1	0.18
380	37500	2200	80	180	380	245	181	6	368	206.4	2.73	16	M24	1	1	0.18

To continue see next page

Pin & Bush Couplings RINGFEDER® RLP

RLP BSB: Type with Spacers





Size	T_{KN}	n_{max}	Max. Bore Diameter		D_1	D_2	D_3	D_4	C_1	C_2	E	G	Gw	J	n_{Sc}	D_G	Max. Misalignment		
			d_1	d_2													Δ_{Ka}	Δ_{Kr}	Δ_{Kw}
RLP	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg·m2		mm	mm	mm	°
165-15	2100	4800	75	80	165	152	100	107	70	46	140	5	26.7	0.053	12	M10	0.5	0.6	0.25
165-25	2100	4800	75	110	165	213	100	157	70	73	140	5	36	0.096	12	M10	0.5	0.6	0.25
											180		36.6	0.098	12	M10			
195-25	4200	4400	90	110	195	213	120	157	90	73	140	5	51.5	0.155	12	M12	0.5	0.8	0.24
											180		52.3	0.157	12	M12			
240-25	9000	3600	110	110	240	213	150	157	110	73	140	5	78.7	0.322	16	M16	0.8	0.8	0.24
											180		79.4	0.323	16	M16			
290-30	17000	3000	130	130	290	240	180	182	130	88	180	6	136.7	0.954	16	M20	0.8	0.8	0.2
320-35	22000	2600	150	150	320	279	210	212	150	102	180	6	198.4	1.432	16	M20	0.8	1	0.2
320-40	22000	2600	150	180	320	318	210	250	150	115	180	6	213.9	1.302	16	M20	0.8	1	0.2
350-40	30000	2400	160	180	350	318	225	250	160	115	180	6	258	2.33	16	M24	0.8	1	0.18
380-40	37500	2200	180	180	380	318	245	250	180	115	180	6	314.7	3.142	16	M24	1	1	0.18

To continue see next page

Pin & Bush Couplings RINGFEDER® RLP

Explanations

T_{KN}	= Nom. Transmissible Torque	**E**	= Dinstance Between Shaft Ends	D_G	= Thread
n_{max}	= Max. Rotational Speed	**G**	= Width of Gap Between Components	Δ_{Ka}	= Max. Permissible Axial Misalignment
d_1/d_2	= Bore Diameter Hubs	L_1/L_2	= Total Length	Δ_{Kr}	= Max. Permissible Radial Misalignment
D_1/D_2	= Max. Outer Diameter	**Gw**	= Approx. Weight	Δ_{Kw}	= Max. Permissible Angular Misalignment
D_3/D_4	= Outer Diameter Hubs	**J**	= Approx. Moment of Inertia		
C_1/C_2	= Guided Length in Bore	n_{Sc}	= Number of Pins		

Technical Information

- All dimensions are in millimeters, unless otherwise specified. Decimal points are used as decimal separators.
- For vertical installation, please contact RINGFEDER POWER TRANSMISSION.
- For other types of shaft-hub-connections, please contact RINGFEDER POWER TRANSMISSION.
- If you need detailed information about torque transmission, please contact RINGFEDER POWER TRANSMISSION.
- Please contact RINGFEDER POWER TRANSMISSION for maximum bore with square key.
- Weight “Gw” and Moment of Inertia “J” are given at maximum bore diameter.
- For the dimension L_2, calculate “$C_1 + C_2 + E$”.
- All elastomers of the “RLP” coupling are made of Polyurethane (PU).
- All hubs of the “RLP” coupling are made of steel.
- The torque can be adjusted by reducing the number of pins.

Ordering example RLP without Spacer

Series	Type	Size	Number of Pins n_{Sc}	Bore Diameter d_1	Bore Diameter d_2
RLP	BWB	145	P12	35	45

Ordering example RLP with Spacer

Series	Type	Size	Distance Between Shaft Ends E	Number of Pins n_{Sc}	Bore Diameter d_1	Bore Diameter d_2
RLP	BSB	290-30	E180	P16	100	125

Ordering Information

- Use letter “W” in the type, for RLP without Spacer.
- Use letter “S” in the type, for RLP with Spacer.
- 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