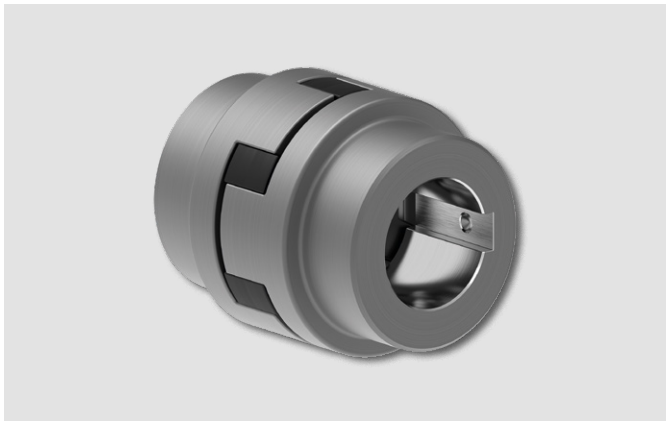
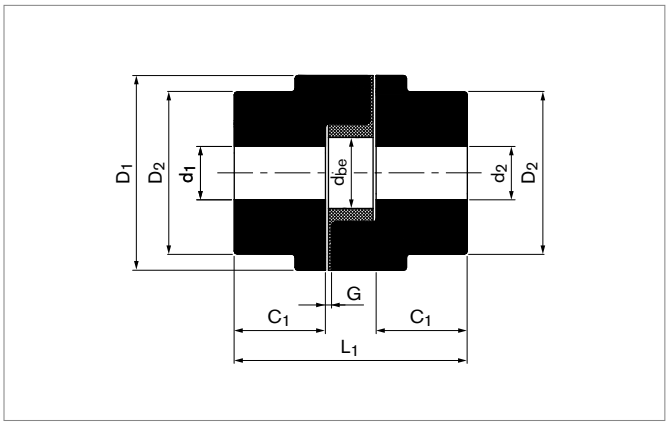
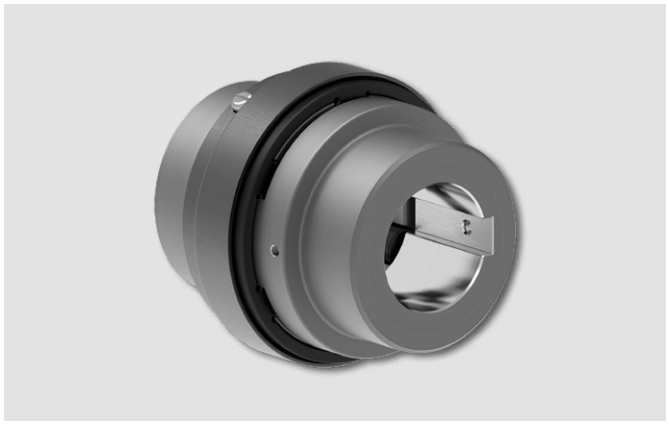
Elastomer Jaw Couplings
RINGFEDER® RLES L, SW & RRS

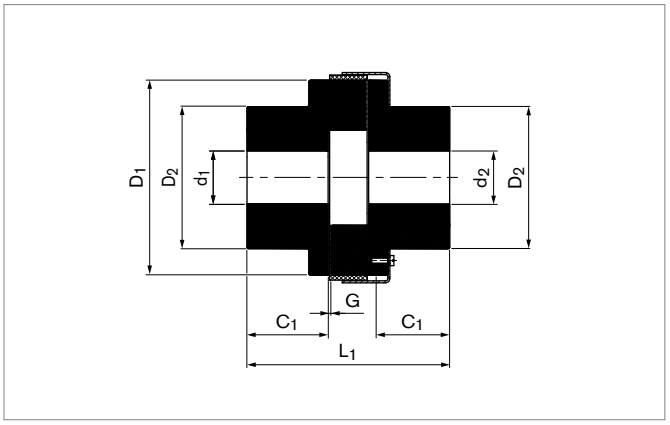
RLES L: 2-Part Type with Elastomer Spider



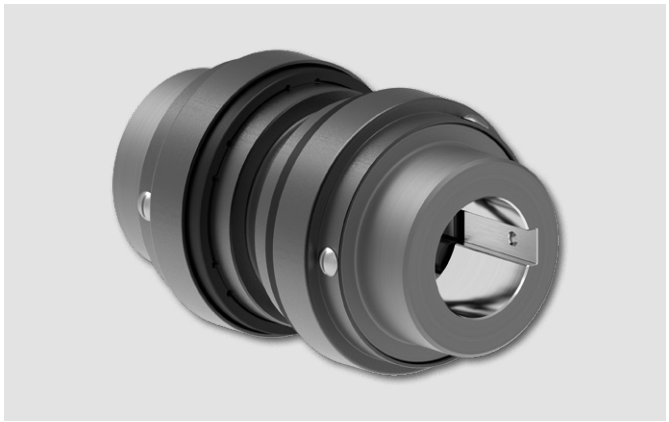


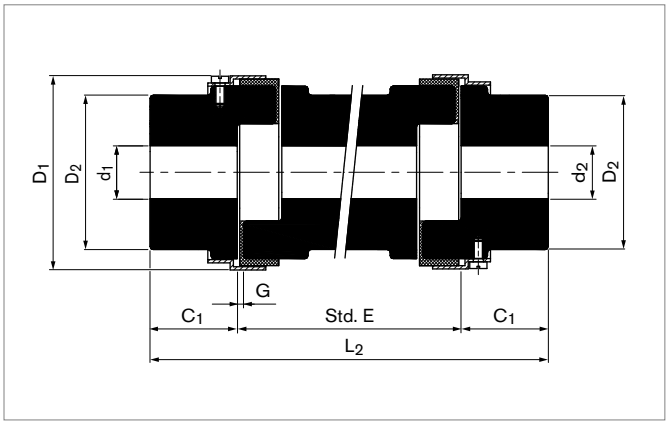
RLES SW: 2-Part Type with Radially Removable Intermediate Ring





RLES RRS: 3-Part Type with Intermediate Shaft and Radially Removable Intermediate Ring





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Elastomer Jaw Couplings RINGFEDER® RLES L, SW & RRS

RLES L										
Size	T_{KN}			n_{max}	Pilot Bore Size	d_1/d_2	D_1	D_2	C_1	L_1
	Nitrile Butadiene Rubber (NBR)	Polyurethane (PU)	H-Trans (HTR)							
RLES L	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
35	0.38	-	-	31000	-	10	16	16	6.5	21
50	2.80	4.2	7.0	18000	-	16	27	27	15	42
70	4.90	7.4	12.3	14000	-	20	35	35	19	51
75 (1)	9.80	14.7	24.5	11000	-	22	45	45	21	55
75 (2)	9.80	14.7	24.5	11000	-	22	45	39	21	55
95	21.10	31.7	52.8	9000	-	28	54	49	25	63
99	46.40	69.6	116	7000	-	30	65	51	27	72
100	46.40	69.6	116	7000	-	35	65	57	35	88
110	89	133.5	222.5	5000	-	42	85	76	43	108
150	141	211.5	352.5	5000	-	48	96	80	45	115
190	190	285	475	5000	-	60	115	102	54	133
225	265	397.5	662.5	4200	-	65	127	111	64	153
226	327	490.5	817.5	4800	25	70	137	119	70	178
276	532	798	-	1800	25	75	157	127	80	200
280	782	1173	-	-	30	80	192	140	80	200
295	1279	1918.5	-	-	30	95	237	162	95	238

RLES L								
Size	G	d_{be}	Sintered Iron (SIN)		Aluminum (AL)		Cast Iron (CIN)	
			Gw	J	Gw	J	Gw	J
RLES L	mm	mm	kg	kg·m²	kg	kg·m²	kg	kg·m²
35	1	-	0.02	0.74×10^{-6}	-	-	-	-
50	1	-	0.11	1.28×10^{-5}	0.04	0.48×10^{-5}	-	-
70	2	-	0.23	4.65×10^{-5}	0.08	1.67×10^{-5}	-	-
75 (1)	2	-	0.44	13.69×10^{-5}	0.14	3.78×10^{-5}	-	-
75 (2)	2	-	0.44	13.69×10^{-5}	0.14	3.78×10^{-5}	-	-
95	2	19	-	-	0.24	10.58×10^{-5}	0.65	2.86×10^{-4}
99	2	27	-	-	0.38	22.21×10^{-5}	1.01	5.99×10^{-4}
100	2	27	-	-	0.44	27.81×10^{-5}	1.14	7.19×10^{-4}
110	3	35	-	-	1.01	104.47×10^{-5}	2.62	27.24×10^{-4}
150	3	35	-	-	-	-	3.20	41.50×10^{-4}
190	3	45	-	-	-	-	5.63	108.85×10^{-4}
225	3	45	-	-	-	-	7.73	176.74×10^{-4}
226	3	51	-	-	-	-	10.22	274.80×10^{-4}
276	3	60	-	-	-	-	14.48	470.08×10^{-4}
280	3	70	-	-	-	-	20.56	921.92×10^{-4}
295	3	80	-	-	-	-	35.75	2395.72×10^{-4}

(1) Values for hub material Sintered Iron (SIN)

(2) Values for hub material Aluminum (AL)

To continue see next page

Elastomer Jaw Couplings RINGFEDER® RLES L, SW & RRS

RLES SW													
	T_{KN}			n_{max}	Pilot Bore Size	d_1/d_2	D_1	D_2	C_1	L_1	G	Gw	J
Size	Nitrile Butadiene Rubber (NBR)	Polyurethane (PU)	H-Trans (HTR)										
RLES SW	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	kg	kg·m²
95	21.10	31.7	52.8	-	-	28	65	49	25	63	2	0.69	3.37×10^{-4}
99	46.40	69.6	116	-	-	30	78	51	27	72	2	1.05	6.96×10^{-4}
100	46.40	69.6	116	-	-	35	78	57	35	88	2	1.23	8.51×10^{-4}
110	89	133.5	222.5	-	-	42	96	76	43	108	3	2.74	30.10×10^{-4}
150	141	211.5	352.5	-	-	48	111	80	45	115	3	3.39	47.13×10^{-4}
190	190	285	475	-	-	60	129	102	54	133	3	5.87	118.41×10^{-4}
225	265	397.5	662.5	-	-	65	142	111	64	153	3	7.97	189.66×10^{-4}
226	327	490.5	817.5	-	25	70	153	119	70	178	3	10.66	300.83×10^{-4}
276	532	798	-	-	25	75	173	127	80	200	3	15.04	513.00×10^{-4}
280	782	1173	-	-	30	80	208	140	80	200	3	21.29	1002.88×10^{-4}
295	1279	1918.5	-	-	30	95	253	162	95	238	3	36.98	2609.33×10^{-4}
2955	2132	3198	-	-	30	105	253	180	108	264	3	42.04	3028.77×10^{-4}
300	3047	4570.5	-	-	30	105	272	180	115	283	3	49.40	3999.87×10^{-4}
350	4308	6462	-	-	30	115	323	200	128	309	3	74.56	8229.27×10^{-4}

RLES RRS											
	T_{KN}			n_{max}	Pilot Bore Size	d_1/d_2	D_1	D_2	C_1	Std. E	L_1
Size	Nitrile Butadiene Rubber (NBR)	Polyurethane (PU)	H-Trans (HTR)								
RLES RRS	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
95	21.10	31.7	52.8	3600	-	28	65	49	25	90	63
100	46.40	69.6	116	3600	-	35	78	57	35	100	88
110	89	133.5	222.5	3600	-	42	96	76	43	140	108
150	141	211.5	352.5	3600	-	48	111	80	45	90	115
190	190	285	475	3600	-	60	129	102	54	100	133
225	265	397.5	662.5	-	-	65	142	111	64	140	153
226	327	490.5	817.5	-	25	70	153	119	70	180	178

RLES RRS									
		E = 90		E = 100		E = 140		E = 180	
Size	G	Gw	J	Gw	J	Gw	J	Gw	J
RLES RRS	mm	kg	kg·m²	kg	kg·m²	kg	kg·m²	kg	kg·m²
95	2	1,15	5.35×10^{-4}	1,19	5.49×10^{-4}	1,33	6.04×10^{-4}	-	-
100	2	1,12	8.44×10^{-4}	1,16	8.68×10^{-4}	1,33	9.62×10^{-4}	-	-
110	3	3,52	39.87×10^{-4}	3,60	40.67×10^{-4}	3,95	43.89×10^{-4}	4,29	47.11×10^{-4}
150	3	4,36	63.42×10^{-4}	4,45	64.38×10^{-4}	4,79	68.17×10^{-4}	5,14	71.96×10^{-4}
190	3	7,29	151.42×10^{-4}	7,45	154.06×10^{-4}	8,07	164.61×10^{-4}	8,70	175.15×10^{-4}
225	3	9,68	236.67×10^{-4}	9,86	240.04×10^{-4}	10,60	253.55×10^{-4}	11,33	267.05×10^{-4}
226	3	12,32	363.33×10^{-4}	12,63	372.21×10^{-4}	13,40	391.65×10^{-4}	14,11	407.71×10^{-4}

To continue see next page

Elastomer Jaw Couplings RINGFEDER® RLES L, SW & RRS

Possible Hub Materials RLES							
	L			SW		RRS	
Size	Sintered Iron (SIN)	Aluminum (AL)	Cast Iron (CIR)	Aluminum (AL)	Cast Iron (CIR)	Aluminum (AL)	Cast Iron (CIR)
35	●	-	-	-	-	-	-
50	●	●	-	-	-	-	-
70	●	●	-	-	-	-	-
75	●	●	-	-	-	-	-
95	-	●	●	●	●	●	●
99	-	●	●	●	●	-	-
100	-	●	●	●	●	●	●
110	-	●	●	●	●	●	●
150	-	-	●	-	●	-	●
190	-	-	●	-	●	-	●
225	-	-	●	-	●	-	●
226	-	-	●	-	●	-	●
276	-	-	●	-	●	-	-
280	-	-	●	-	●	-	-
295	-	-	●	-	●	-	-
2955	-	-	-	-	●	-	-
300	-	-	-	-	●	-	-
350	-	-	-	-	●	-	-

To continue see next page

Elastomer Jaw Couplings RINGFEDER® RLES L, SW & RRS

Explanations

T_{KN}	= Nom. Transmissible Torque	D_1	= Max. Outer Diameter	G	= Width of Gap Between Left and Right Component
N_{max}	= Max. Rotational Speed	D_2	= Outer Diameter Hubs	D_{be}	= Inner Diameter Elastomer Spider
Pilot Bore Size	= Required Size of Pilot Bore	C_1	= Guided Length in Hub Bore	Gw	= Approx. Weight
d_1/d_2	= Max. Bore Diameter Hubs	Std. E	= Std. Distance between Shaft Ends	J	= Approx. Moment of Intertia
		L_1/L_2	= Total Length		

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 RRS/SW maintain gap G for installation.
- Maximum bores can be increased in case of steel hubs. Please contact RINGFEDER POWER TRANSMISSION.
- Dimension L_2 to be calculated by: 2 x C_1 + Std. E.
- Weight Gw und moment of intertia J are given at maximum bore diameter.
- For max. permissible axial, angular and radial shaft misalignment, please contact RINGFEDER POWER TRANSMISSION.

Ordering example RLES L

Series	Type	Size	Hub Material	Elastomer Material	Bore Diameter d_1	Bore Tolerance of d_1	Bore Diameter d_2	Bore Tolerance of d_2
RLES	L	110	AL	PU	35	H7	40	H7

Ordering example RLES SW

Series	Type	Size	Hub Material	Elastomer Material	Bore Diameter d_1	Bore Tolerance of d_1	Bore Diameter d_2	Bore Tolerance of d_2
RLES	SW	300	CIR	HTR	85	H7	100	H7

Ordering example RLES RRS

Series	Type	Size	Hub Material	Elastomer Material	Distance Between Shaft Ends E	Bore Diameter d_1	Bore Tolerance of d_1	Bore Diameter d_2	Bore Tolerance of d_2
RLES	RRS	190	CIR	NBR	100	50	H7	60	H7

Ordering Information

- Elastomer materials: Nitrile Butadiene Rubber (NBR), Polyurethane (PU), H-Trans (HTR).
- Hub materials: Sintered Iron (SIN), Aluminum (AL), Cast Iron (CIR).
- 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