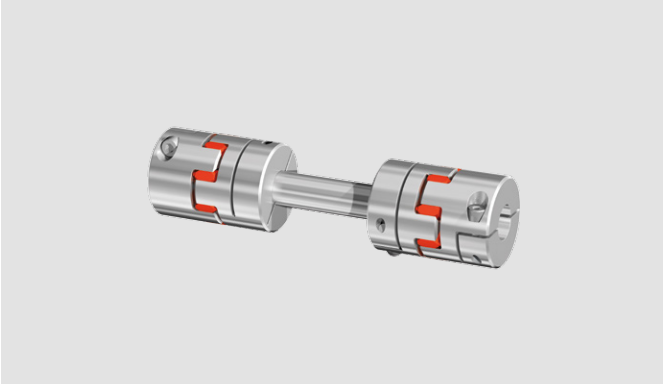
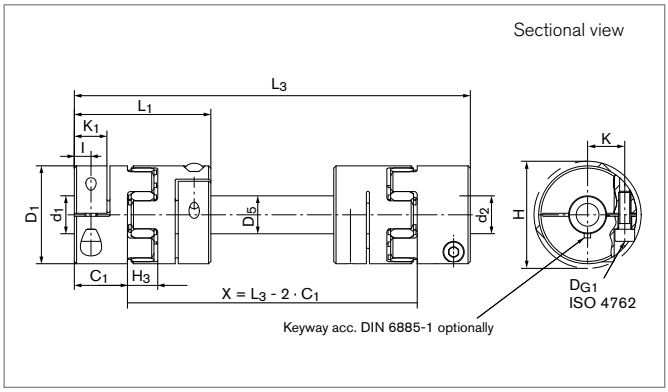
Elastomer Jaw Couplings

RINGFEDER® GWE Z5104.1

Servo-Insert coupling with clamping hubs for large shaft spacings





Size	$d_1;d_2$ min-max	$d_{1k};d_{2k}$ min-max	C_1	D_1	D_5	H	H_3	l	K	K_1	L_1	L_3 min-max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
14	5 - 16	5 - 16	11	30	16	31,6	13	5	11	11	35	80 - 2000
19	6 - 20	6 - 20	25	40	20	46	16	12	14,5	25	66	135 - 2000
24	10 - 32	10 - 32	30	55	25	57	18	10,5	20	19	78	160 - 2000
28	10 - 38	10 - 38	35	65	30	71	20	11,5	24,5	21,5	90	185 - 2000
38	12 - 48	12 - 48	45	80	40	83	24	15,5	30	31	114	230 - 2000
42	14 - 54	14 - 54	50	95	40	95	26	18	32,5	32	126	255 - 2000
48	15 - 60	15 - 60	56	105	50	104,5	28	21	36	38	140	290 - 2000

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d_{min}. Types with borings < d_{min}, however, can be supplied.

Size	T	C_m	H_{es}	D_{G1}	T_{A1}
	Nm	Nm/rad		mm	Nm
14	12,5	510	98 SH A	1 x M3	2
19	17	966	98 SH A	1 x M6	11
24	60	2635	98 SH A	1 x M6	15
28	160	5549	98 SH A	1 x M8	32
38	325	15470	98 SH A	1 x M8	38
42	450	15470	98 SH A	1 x M10	84
48	525	43514	98 SH A	1 x M12	145

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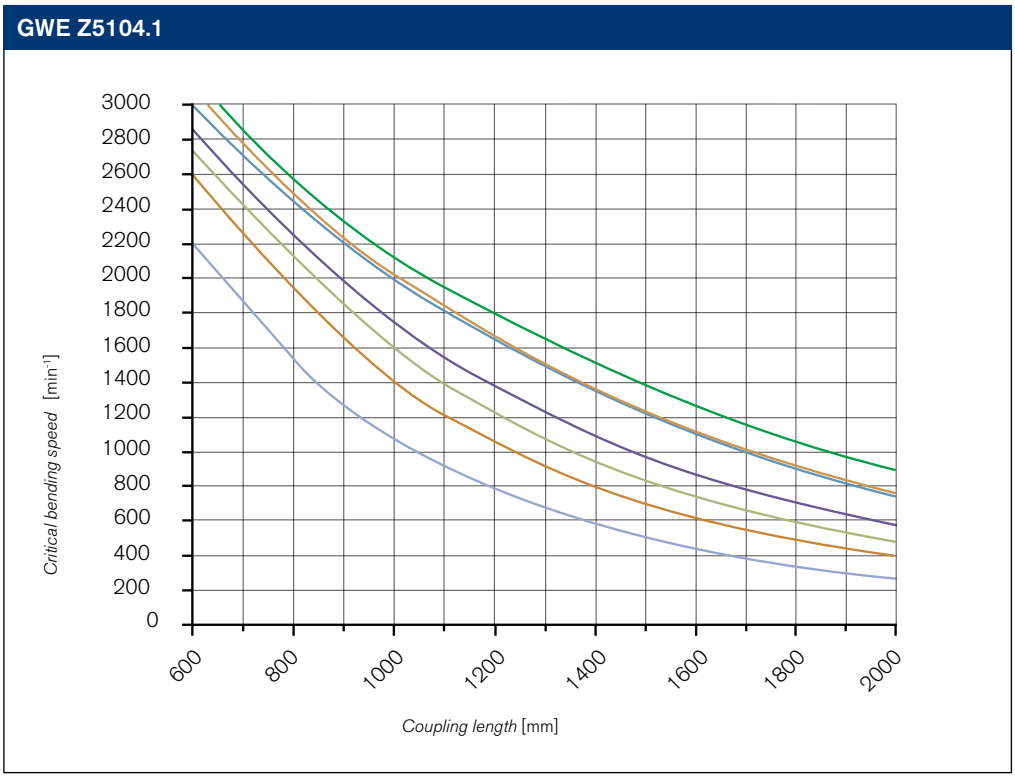
Elastomer Jaw Couplings RINGFEDER® GWE Z5104.1

Transmissible torque T [Nm]

Size	Ø5	Ø6	Ø8	Ø9	Ø10	Ø12	Ø14	Ø15	Ø16	Ø18	Ø20	Ø22	Ø24	Ø25	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø58
	Nm																				
14	4,8	6,0	7,7	8,6	9,4	11	12,5	12,5	12,5	---	---	---	---	---	---	---	---	---	---	---	---
19	---	16	17	17	17	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	37	43	50	53	56	60	60	60	60	60	60	---	---	---	---	---	---
28	---	---	---	---	61	72	83	88	94	104	114	124	134	138	160	160	---	---	---	---	---
38	---	---	---	---	---	87	100	107	113	126	138	151	163	168	197	225	251	277	---	---	---
42	---	---	---	---	---	---	174	186	197	220	242	264	285	296	348	398	450	450	---	---	---
48	---	---	---	---	---	---	---	---	276	309	343	376	408	424	502	525	525	525	525	525	525

Critical bending speed for line shafts (operating speed = critical bending speed / 1,4)

GWE Z5104.1



Legend

- *Size* 48
- *Size* 42
- *Size* 38
- *Size* 28
- *Size* 24
- *Size* 19
- *Size* 14

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Elastomer Jaw Couplings RINGFEDER® GWE Z5104.1

Explanations

$d_1;d_{2min}$	= Min. bore diameter d_1/d_2	H	= Clearance diameter	L_{3max}	= Max. length of line shaft
$d_1;d_{2max}$	= Max. bore diameter d_1/d_2	H_3	= Length of damping module	T	= Transmissible torque at given T_A
$d_{1k};d_{2kmin}$	= Min. bore diameter d_1/d_2 with keyway acc. to DIN 6885-1	I	= Distance between center screw hole and hub end	C_m	= Torsional stiffness of extension tube per meter
$d_{1k};d_{2kmax}$	= Max. bore diameter d_1/d_2 with keyway acc. to DIN 6885-1	K	= Distance shaft axis - clamping screw axis	H_{es}	= Hardness of the elastomeric spider
C_1	= Guided length in hub bore	K_1	= Clamping length	D_{G1}	= Thread
D_1	= Outer diameter	L_1	= Length of coupling	T_{A1}	= Tightened torque of clamping screw D_{G1}
D_5	= Tube diameter	L_{3min}	= Min. length of line shaft		

Ordering example

Series Size	Bore diameter d_1	Bore diameter d_2	Length of Line Shaft L_3	Spider hardness (optional) [1]	Spider bore d_{bz} (optional) [1]	Further details
GWE Z5104.1-14	8	10	1000	64 SH D	8,5	*

[1] If a different spider hardness is selected, the detailed technical data for the sprockets must be observed. See chapter „Elastomer Jaw Couplings RINGFEDER® GWE Technical description“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

* Keyway

Further information on
RINGFEDER® GWE Z5104.1
on **www.ringfeder.com**

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RINGFEDER POWER TRANSMISSION