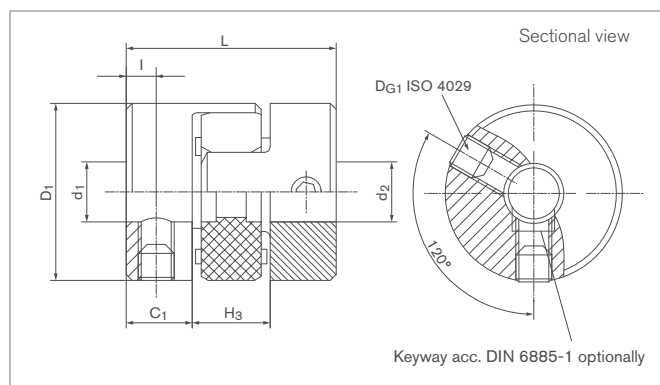


# Elastomer Jaw Couplings

## RINGFEDER® GWE 5102

Miniature coupling with set screw hubs



Size	$d_1; d_2$ min-max		$d_{1k}; d_{2k}$ min-max		$C_1$	$D_1$	$H_3$	$l$	$L$
	Without keyway	With keyway	Without keyway	With keyway					
	mm	mm	mm	mm	mm	mm	mm	mm	mm
5	2 - 5	---	---	---	5	10	5	2,5	15
7	3 - 8	6 - 8	6 - 8	6 - 8	7	14	8	3,5	22
9	3 - 12	6 - 10	6 - 10	6 - 10	10	20	10	5	30
12	4 - 12	6 - 12	6 - 12	6 - 12	11	25	12	5	34
14	4 - 16	6 - 16	6 - 16	6 - 16	11	30	13	5	35
19	6 - 24	6 - 24	6 - 24	6 - 24	25	40	16	10	66
24	8 - 35	8 - 35	8 - 35	8 - 35	30	55	18	10	78
28	---	10 - 38	10 - 38	10 - 38	35	65	20	15	90
38	---	12 - 48	12 - 48	12 - 48	45	80	24	15	114

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.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	$T$	$H_{es}$	$n_{max}$	$J$	$G_w$	$D_{G1}$	$T_{A1}$
	Nm		1/min	$10^{-3}kgm^2$	kg	mm	Nm
5	0,5	92 SH A	47500	0,000034	0,005	1 x M3	1,3
7	1,2	92 SH A	34000	0,000196	0,009	1 x M3	1,3
9	3	92 SH A	24000	0,00108	0,017	2 x M4	3
12	5	92 SH A	19000	0,00284	0,03	2 x M4	5
14	7,5	92 SH A	16000	0,0057	0,041	2 x M6	6
19	10	92 SH A	12000	0,036	0,138	2 x M6	6
24	35	92 SH A	8500	0,162	0,282	2 x M6	6
28	95	92 SH A	7300	0,322	0,454	2 x M6	6
38	190	92 SH A	5900	0,954	0,876	2 x M6	6

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5102

### Transmissible torque T [Nm] of the Shaft-Hub-Connection

Size	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø12	Ø14	Ø16	Ø18	Ø20	Ø22	Ø24	Ø28
5	0,5	0,5	0,5	---	---	---	---	---	---	---	---	---	---	---	---	---
7	1,2	1,2	1,2	1,2	1,2	1,2	---	---	---	---	---	---	---	---	---	---
9	3	3	3	3	3	3	3	3	3	---	---	---	---	---	---	---
12	---	5	5	5	5	5	5	5	5	---	---	---	---	---	---	---
14	---	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5	---	---	---	---	---
19	---	---	---	10	10	10	10	10	10	10	10	10	10	10	10	---
24	---	---	---	---	---	20	22	24	29	34	35	35	35	35	35	35
28	---	---	---	---	---	---	---	95	95	95	95	95	95	95	95	95
38	---	---	---	---	---	---	---	---	190	190	190	190	190	190	190	190

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>D<sub>1</sub></b> = Outer diameter	<b>n<sub>max</sub></b> = Max. rotation speed
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>J</b> = Total moment of inertia
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>Gw</b> = Weight
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>L</b> = Total length	<b>D<sub>G1</sub></b> = Thread
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>T</b> = Transmissible torque at given T <sub>A</sub>	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5102-24	12	27	92 SH A	24	*

<sup>1)</sup> 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 5102**  
 on [www.ringfeder.com](http://www.ringfeder.com)

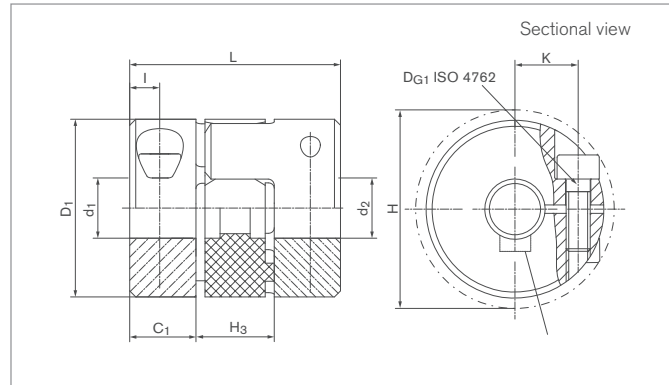
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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5103.1

Miniature coupling with extended clamping hubs and single slit



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	d <sub>1k</sub> ;d <sub>2k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	H	H <sub>3</sub>	I	K	L
	mm	mm	mm	mm	mm	mm	mm	mm	mm
5	2 - 4	--- ---	5	10	11,5	5	2,5	3,2	15
7	3 - 7	6 - 7	7	14	16,5	8	3,5	5	22
9	3 - 11	6 - 11	10	20	23,5	10	5	7,3	30

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	H <sub>es</sub>	n <sub>max</sub>	J	Gw	D <sub>G1</sub>	T <sub>A1</sub>
	Nm		1/min	10 <sup>-3</sup> kgm <sup>2</sup>	kg	mm	Nm
5	0,5	92 SH A	38000	0,000034	0,005	1 x M1,6	0,25
7	1,2	92 SH A	27000	0,000196	0,009	1 x M2	0,35
9	3	92 SH A	19000	0,00108	0,015	1 x M2,5	0,75

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5103.1

Transmissible torque T [Nm]

Transmissible torque										
Size	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø11
	Nm									
5	0,5	0,5	0,5	---	---	---	---	---	---	---
7	---	0,8	1,1	1,2	1,2	1,2	---	---	---	---
9	---	1,5	2	2,5	2,9	3	3	3	3	3

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>n<sub>max</sub></b> = Max. rotation speed
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>J</b> = Total moment of inertia
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>Gw</b> = Weight
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>D<sub>G1</sub></b> = Thread
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>L</b> = Total length	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
<b>D<sub>1</sub></b> = Outer diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>	
	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5103.1-9	10	11	80 SH A	6,5	*

<sup>1)</sup> 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 5103.1**  
 on [www.ringfeder.com](http://www.ringfeder.com)

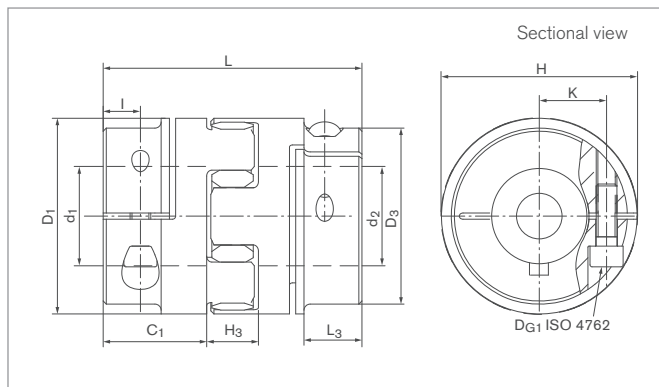
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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5104

Servo-Insert coupling with clamping hubs and dual slits



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	d <sub>1k</sub> ;d <sub>2k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	D <sub>3</sub>	H	H <sub>3</sub>	I	K	L	L <sub>3</sub>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
14	5 - 16	5 - 16	11	30	30	32,2	13	5	11	35	---
19	6 - 20	6 - 20	25	40	40	46	16	12	14,5	66	---
24	10 - 32	10 - 32	30	55	55	57	18	10,5	20	78	---
28	10 - 38	10 - 38	35	65	65	71	20	11,5	24,5	90	---
38	12 - 48	12 - 48	45	80	80	83	24	15,5	30	114	---
42	14 - 54	14 - 54	50	95	85	95	26	18	32,5	126	28
48	15 - 60	15 - 60	56	105	95	106	28	21	37	140	32
55	35 - 74	35 - 74	65	120	120	120	30	26	45	160	---
65	35 - 80	35 - 80	75	135	135	135	35	28	50	185	---
75	30 - 95	30 - 95	85	160	160	160	40	36	60	210	---

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	H <sub>es</sub>	n <sub>max</sub>	J	Gw	D <sub>G1</sub>	T <sub>A1</sub>
	Nm		1/min	10 <sup>-3</sup> kgm <sup>2</sup>	kg	mm	Nm
14	12,5	98 SH A	13000	0,006	0,042	1 x M3	2
19	17	98 SH A	10000	0,036	0,158	1 x M6	11
24	60	98 SH A	7000	0,15	0,304	1 x M6	15
28	160	98 SH A	6000	0,33	0,505	1 x M8	32
38	325	98 SH A	5000	0,96	0,934	1 x M8	38
42	450	98 SH A	4000	4,92	3,8	1 x M10	84
48	525	98 SH A	3600	8,26	4,9	1 x M12	145
55	685	98 SH A	3150	19,15	10,2	1 x M12	145
65	940	98 SH A	2800	30,72	13,7	1 x M12	145
75	1920	98 SH A	2350	66,68	21,34	1 x M16	295

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5104

Transmissible torque T [Nm]

Size	Transmissible torque																				
	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø60	Ø65	Ø70	Ø80	Ø90	Ø95
	Nm																				
14	4,8	6,0	7,7	9,4	11	12,5	12,5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	---	16	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	37	43	50	56	60	60	60	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	61	72	83	94	114	138	160	160	---	---	---	---	---	---	---	---	---	---
38	---	---	---	---	87	100	113	138	168	197	225	251	277	---	---	---	---	---	---	---	---
42	---	---	---	---	---	174	197	242	296	348	398	450	450	---	---	---	---	---	---	---	---
48	---	---	---	---	---	---	276	343	424	502	525	525	525	525	525	---	---	---	---	---	---
55	---	---	---	---	---	---	---	---	---	---	630	685	685	685	685	685	685	685	685	---	---
65	---	---	---	---	---	---	---	---	---	---	634	714	791	866	940	940	940	940	940	940	---
75	---	---	---	---	---	---	---	---	---	---	998	1125	1250	1370	1489	1604	1718	1830	1920	1920	1920

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>D<sub>3</sub></b> = Outer diameter hub	<b>T</b> = Transmissible torque at given T <sub>A</sub>
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>H<sub>3</sub></b> = Length of damping module	<b>n<sub>max</sub></b> = Max. rotation speed
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>I</b> = Distance between center screw hole and hub end	<b>J</b> = Total moment of inertia
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>K</b> = Distance shaft axis - clamping screw axis	<b>Gw</b> = Weight
<b>D<sub>1</sub></b> = Outer diameter	<b>L</b> = Total length	<b>D<sub>G1</sub></b> = Thread
	<b>L<sub>3</sub></b> = Length	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5104-42	40	41	64 SH D	42	*

<sup>1)</sup> 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 5104**  
 on [www.ringfeder.com](http://www.ringfeder.com)

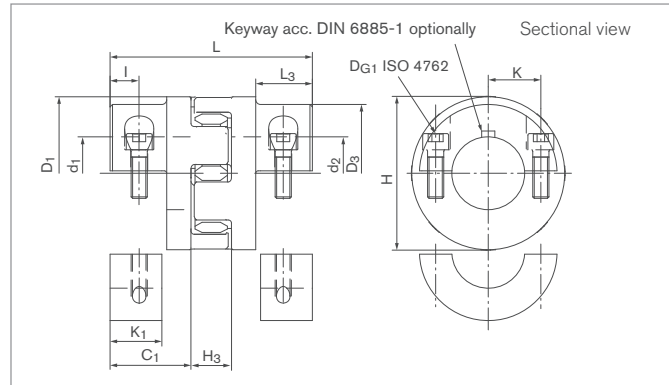
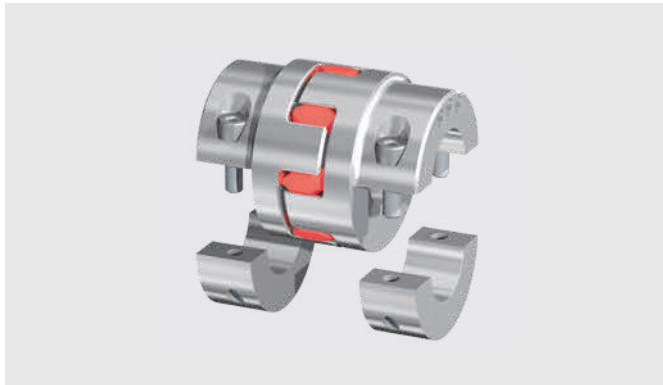
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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5106

### Servo-Insert coupling with clamping hubs in split hub design



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	d <sub>1k</sub> ;d <sub>2k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	D <sub>3</sub>	H	H <sub>3</sub>	I	K	K <sub>1</sub>	L	L <sub>3</sub>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
14	5 - 16	5 - 16	11	30	---	32,5	13	5	11	8	35	---
19	6 - 20	6 - 20	25	40	---	46	16	7	14,5	12	66	---
24	10 - 32	10 - 32	30	55	---	57	18	10,5	20	19	78	---
28	10 - 38	10 - 38	35	65	---	71	20	11,5	24,5	21,5	90	---
38	12 - 48	12 - 48	45	80	---	83	24	15,5	30	31	114	---
42	14 - 54	14 - 54	50	95	85	95	26	18	32,5	32	126	28
48	15 - 60	15 - 60	56	105	95	106	28	21	36	38	140	32
55	35 - 74	35 - 74	65	120	---	120	30	26	45	46,5	160	---
65	35 - 80	35 - 80	75	135	---	135	35	28	50	52	185	---
75	30 - 95	30 - 95	85	160	---	160	40	36	60	65,5	210	---

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d<sub>min</sub>. Types with borings < d<sub>min</sub> however, can be supplied.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	H <sub>es</sub>	n <sub>max</sub>	J	Gw	D <sub>G1</sub>	T <sub>A1</sub>
	Nm		1/min	10 <sup>-3</sup> kgm <sup>2</sup>	kg	mm	Nm
14	12,5	98 SH A	13000	0,006	0,042	2 x M3	2
19	17	98 SH A	10000	0,036	0,158	2 x M6	11
24	60	98 SH A	7000	0,15	0,304	2 x M6	15
28	160	98 SH A	6000	0,33	0,505	2 x M8	32
38	325	98 SH A	5000	0,96	0,934	2 x M8	38
42	450	98 SH A	4000	4,92	3,8	2 x M10	84
48	525	98 SH A	3600	8,26	4,9	2 x M12	145
55	685	98 SH A	3150	19,15	10,2	2 x M12	145
65	940	98 SH A	2800	30,72	13,7	2 x M12	145
75	1920	98 SH A	2350	66,68	21,34	2 x M16	295

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5106

### Transmissible torque T [Nm]

Size	Transmissible torque																				
	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø60	Ø65	Ø70	Ø80	Ø90	Ø95
	Nm																				
14	3,7	4,4	5,9	7,4	8,8	10,3	11,8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	---	12,6	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	29	34	40	46	57	60	60	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	46	55	65	74	92	116	139	162	---	---	---	---	---	---	---	---	---	---
38	---	---	---	---	66	77	88	110	137	165	192	219	247	---	---	---	---	---	---	---	---
42	---	---	---	---	---	139	159	198	248	298	347	397	446	---	---	---	---	---	---	---	---
48	---	---	---	---	---	---	233	292	364	437	510	525	525	525	525	---	---	---	---	---	---
55	---	---	---	---	---	---	---	---	---	---	510	583	656	685	685	685	685	685	---	---	---
65	---	---	---	---	---	---	---	---	---	---	510	583	656	728	801	874	940	940	940	---	---
75	---	---	---	---	---	---	---	---	---	---	783	895	1007	1119	1231	1343	1455	1567	1790	1920	1920

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>n<sub>max</sub></b> = Max. rotation speed
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>J</b> = Total moment of inertia
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>K<sub>1</sub></b> = Clamping length	<b>Gw</b> = Weight
<b>D<sub>1</sub></b> = Outer diameter	<b>L</b> = Total length	<b>D<sub>G1</sub></b> = Thread
	<b>L<sub>3</sub></b> = Length	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5106-42	40	41	92 SH A	42	*

<sup>1)</sup> 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 5106**  
 on [www.ringfeder.com](http://www.ringfeder.com)

#### Disclaimer of liability

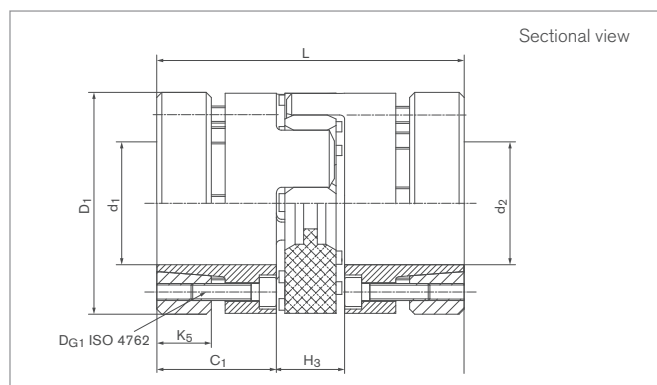
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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5112

Servo-Insert coupling with outer cone



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	H <sub>3</sub>	K <sub>5</sub>	L
	mm	mm	mm	mm	mm	mm
14	6 - 14	18,5	32	13	8	50
19	8 - 20	25	40	16	10	66
24	11 - 25	30	55	18	13	78
28	15 - 36	35	65	20	16	90
38	20 - 41	45	80	24	22	114
42	25 - 50	50	95	26	25	126
48	28 - 55	56	105	28	28	140

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	H <sub>es</sub>	n <sub>max</sub>	J	Gw	DG <sub>1</sub>	T <sub>A1</sub>
	Nm		1/min	10 <sup>-3</sup> kgm <sup>2</sup>	kg	mm	Nm
14	12,5	98 SH A	25400	0,014	0,042	4 x M3	1,8
19	17	98 SH A	19000	0,063	0,158	6 x M4	3
24	60	98 SH A	13800	0,26	0,304	4 x M5	6
28	160	98 SH A	11700	0,63	0,505	8 x M5	6
38	325	98 SH A	9550	1,96	0,934	8 x M6	10
42	450	98 SH A	8050	6,43	3,8	4 x M8	35
48	525	98 SH A	7200	10,54	4,9	4 x M10	69

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5112

### Transmissible torque T [Nm]

Size	Transmissible torque																				
	Ø6	Ø10	Ø11	Ø13	Ø14	Ø15	Ø17	Ø19	Ø20	Ø24	Ø25	Ø27	Ø30	Ø32	Ø36	Ø38	Ø42	Ø44	Ø48	Ø50	Ø55
	Nm																				
14	3,6	9	12,5	12,5	12,5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	---	17	17	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	22	37	46	56	60	60	60	60	60	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	56	68	114	134	160	160	160	160	160	160	---	---	---	---	---	---
38	---	---	---	---	---	---	---	---	134	230	261	325	325	325	325	325	---	---	---	---	---
42	---	---	---	---	---	---	---	---	---	---	260	329	450	450	450	450	450	450	450	450	---
48	---	---	---	---	---	---	---	---	---	---	---	---	326	450	525	525	525	525	525	525	525

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>D<sub>1</sub></b> = Outer diameter	<b>n<sub>max</sub></b> = Max. rotation speed
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>J</b> = Total moment of inertia
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>K<sub>5</sub></b> = Width of clamping ring	<b>G<sub>w</sub></b> = Weight
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>L</b> = Total length	<b>D<sub>G1</sub></b> = Thread
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>T</b> = Transmissible torque at given T <sub>A</sub>	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>
GWE 5112-42	32	41	64 SH D	42

<sup>1)</sup> 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“

Further information on  
**RINGFEDER® GWE 5112**  
 on [www.ringfeder.com](http://www.ringfeder.com)

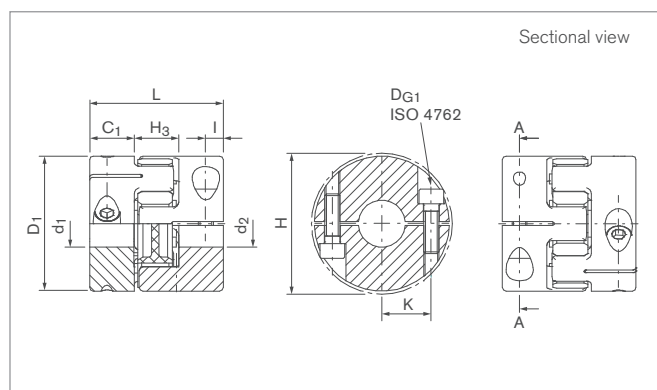
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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5113

Servo-Insert coupling with clamping hubs, short length and single slit



Size	d <sub>1</sub> ;d <sub>2</sub> min-max		d <sub>1k</sub> ;d <sub>2k</sub> min-max		C <sub>1</sub>	D <sub>1</sub>	H	H <sub>3</sub>	I	K	L
	Without keyway	With keyway	mm	mm							
12	4 - 12	6 - 12	11	24,5	26	12	5	8,1	34		
14	5 - 15	6 - 15	9,5	29,5	33	13	5	10,5	32		
19	8 - 20	8 - 20	17	39,5	45	16	8	14	50		
24	10 - 32	10 - 32	18	54,5	57	18	7	20	54		
28	14 - 35	14 - 35	21	64,5	68	20	9	23,8	62		
38	15 - 45	15 - 45	26,5	79,5	86	23	13	29,5	76		
42	20 - 56	20 - 56	38	94,5	95	26	13,5	35	102		

Larger bore diameters (d<sub>1</sub>, d<sub>2</sub>) than specified in the table above can be realized in specific case of need. Please consult our experts in this matter. Transmission of the couplings' transmissible torque T can not longer be guaranteed for certain with

borings < d<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied. Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	η <sub>max</sub>	J	H <sub>es</sub>	D <sub>G1</sub>	T <sub>A1</sub>	G <sub>w</sub>
	Nm	1/min	10 <sup>-3</sup> kgm <sup>2</sup>		mm	Nm	kg
12	9	15000	0,00296	98 SH A	2 x M3	2,1	0,033
14	12,5	13000	0,006	98 SH A	2 x M4	5	0,05
19	17	10000	0,029	98 SH A	2 x M6	14	0,14
24	60	7000	0,104	98 SH A	2 x M6	15	0,21
28	160	6000	0,250	98 SH A	2 x M8	35	0,377
38	325	5000	0,713	98 SH A	2 x M10	49	0,694
42	450	4000	1,793	98 SH A	2 x M10	69	1,21

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5113

### Transmissible torque T [Nm] of the Shaft-Hub-Connection

Size	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø15	Ø18	Ø20	Ø25	Ø26	Ø28	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø56
	Nm																				
12	---	3,5	4,3	5,1	6,8	8,4	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	8,4	10,2	12,5	12,5	12,5	12,5	12,5	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	17	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	35	42	48	52	60	60	60	60	60	60	---	---	---	---	---	---
28	---	---	---	---	---	---	---	96	102	121	133	160	160	160	160	160	---	---	---	---	---
38	---	---	---	---	---	---	---	---	143	172	191	238	248	267	286	325	325	325	---	---	---
42	---	---	---	---	---	---	---	---	---	---	221	277	288	310	332	387	443	450	450	450	450

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>J</b> = Total moment of inertia
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>D<sub>G1</sub></b> = Thread
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> With keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>L</b> = Total length	<b>Gw</b> = Weight
<b>D<sub>1</sub></b> = Outer diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>	
	<b>n<sub>max</sub></b> = Max. rotation speed	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5113-42	20	42	98 SH A	42	*

<sup>1)</sup> 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 or stainless steel

Further information on  
**RINGFEDER® GWE 5113**  
 on [www.ringfeder.com](http://www.ringfeder.com)

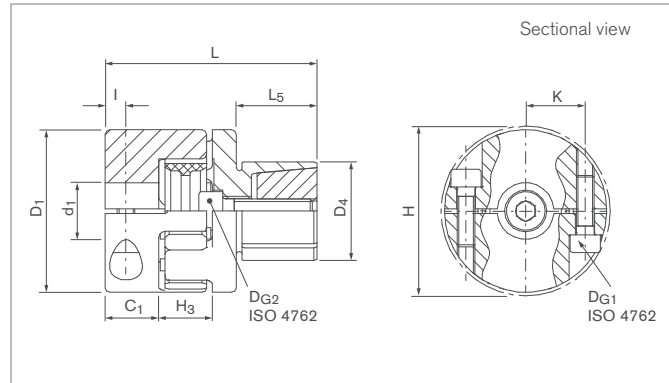
#### Disclaimer of liability

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# Elastomer Jaw Couplings

## RINGFEDER® GWE 5117

Servo-Insert coupling with clamping hubs and expanding clamps



Size	d <sub>1</sub> min-max	d <sub>1k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	D <sub>4</sub> min-max	H	H <sub>3</sub>	I	K	L	L <sub>5</sub>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
12	4 - 12	6 - 12	11	24,5	10 - 15	26	12	5	8,1	42	12
14	5 - 15	6 - 15	9,5	29,5	13 - 25	33	13	5	10,5	47,5	20
19	8 - 20	8 - 20	17	39,5	14 - 30	45	16	8	14	65,5	25
24	10 - 32	10 - 32	18	54,5	23 - 36	57	18	7	20	71	27
28	14 - 35	14 - 35	21	64,5	26 - 42	68	19	9	23,8	82	32

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < d<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied.

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Size	T	H <sub>es</sub>	n <sub>max</sub>	J	Gw	D <sub>G1</sub>	T <sub>A1</sub>	D <sub>G2</sub>	T <sub>A2</sub>
	Nm		1/min	10 <sup>-3</sup> kgm <sup>2</sup>	kg	mm	Nm	mm	Nm
12	9	98 SH A	15000	0,0043	0,06	2 x M3	2,1	1 x M4	4
14	12,5	98 SH A	13000	0,008	0,09	2 x M4	5	1 x M5	9
19	17	98 SH A	10000	0,036	0,18	2 x M6	14	1 x M6	12
24	60	98 SH A	7000	0,138	0,38	2 x M6	15	1 x M8	32
28	160	98 SH A	6000	0,318	0,67	2 x M8	35	1 x M10	60

To continue see next page

## Elastomer Jaw Couplings RINGFEDER® GWE 5117

Transmissible torque T [Nm]

Size	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø15	Ø18	Ø20	Ø25	Ø26	Ø28	Ø30	Ø35
12	3,5	4,3	5,1	6,8	8,4	9	---	---	---	---	---	---	---	---	---
14	---	8,4	10,2	12,5	12,5	12,5	12,5	12,5	---	---	---	---	---	---	---
19	---	---	---	17	17	17	17	17	17	17	---	---	---	---	---
24	---	---	---	---	35	42	48	52	60	60	60	60	60	60	---
28	---	---	---	---	---	---	96	102	121	133	160	160	160	160	160

### Explanations

<b>d<sub>1min</sub></b> = Min. bore diameter d <sub>1</sub>	<b>H</b> = Clearance diameter	<b>Gw</b> = Weight
<b>d<sub>1max</sub></b> = Max. bore diameter d <sub>1</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>D<sub>G1</sub></b> = Thread
<b>d<sub>1kmin</sub></b> = Min. bore diameter d <sub>1</sub> with keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
<b>d<sub>1kmax</sub></b> = Max. bore diameter d <sub>1</sub> with keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>D<sub>G2</sub></b> = Thread
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>L</b> = Total length	<b>T<sub>A2</sub></b> = Tightened torque of clamping screw D <sub>G2</sub>
<b>D<sub>1</sub></b> = Outer diameter	<b>L<sub>5</sub></b> = Expanding mandrel length	
<b>D<sub>4 min</sub></b> = Min. outer diameter of the cone hub	<b>T</b> = Transmissible torque at given T <sub>A</sub>	
<b>D<sub>4 max</sub></b> = Max. outer diameter of the cone hub	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider	
	<b>n<sub>max</sub></b> = Max. rotation speed	
	<b>J</b> = Total moment of inertia	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Outer diameter of the cone hub D <sub>4</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE 5117-24	25	30	92 SH A	24	*

<sup>1)</sup> 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 5117**  
 on [www.ringfeder.com](http://www.ringfeder.com)

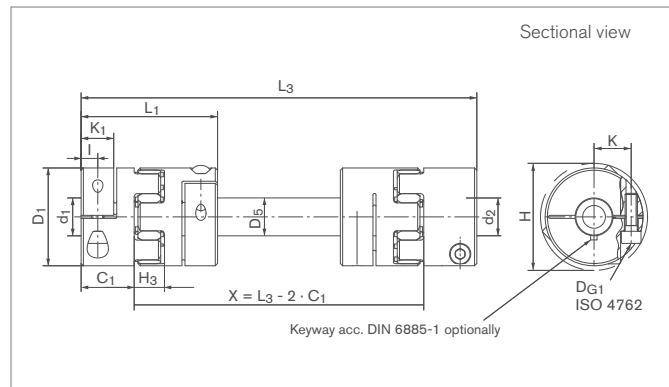
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# Elastomer Jaw Couplings

## RINGFEDER® GWE Z5104.1

Servo-Insert coupling with clamping hubs for large shaft spacings



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	d <sub>1k</sub> ;d <sub>2k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	D <sub>5</sub>	H	H <sub>3</sub>	I	K	K <sub>1</sub>	L <sub>1</sub>	L <sub>3</sub> 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<sub>min</sub>. Types with borings < d<sub>min</sub>, however, can be supplied.

Size	T	C <sub>m</sub>	H <sub>es</sub>	D <sub>G1</sub>	T <sub>A1</sub>
	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

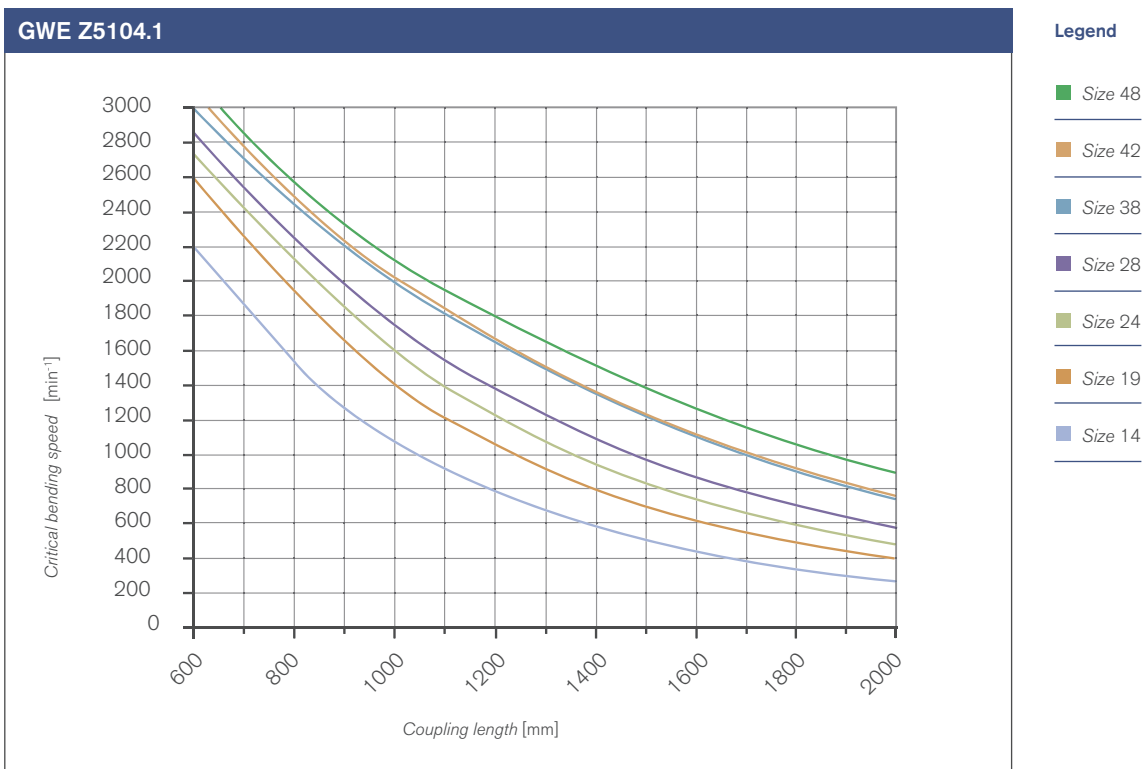
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### Elastomer Jaw Couplings RINGFEDER® GWE Z5104.1

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)



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## Elastomer Jaw Couplings RINGFEDER® GWE Z5104.1

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>L<sub>3max</sub></b> = Max. length of line shaft
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>T</b> = Transmissible torque at given T <sub>A</sub>
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>C<sub>m</sub></b> = Torsional stiffness of extension tube per meter
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>K<sub>1</sub></b> = Clamping length	<b>DG<sub>1</sub></b> = Thread
<b>D<sub>1</sub></b> = Outer diameter	<b>L<sub>1</sub></b> = Length of coupling	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw DG <sub>1</sub>
<b>D<sub>5</sub></b> = Tube diameter	<b>L<sub>3min</sub></b> = Min. length of line shaft	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Length of Line Shaft L <sub>3</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE Z5104.1-14	8	10	1000	64 SH D	8,5	*

<sup>1)</sup> 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](http://www.ringfeder.com)

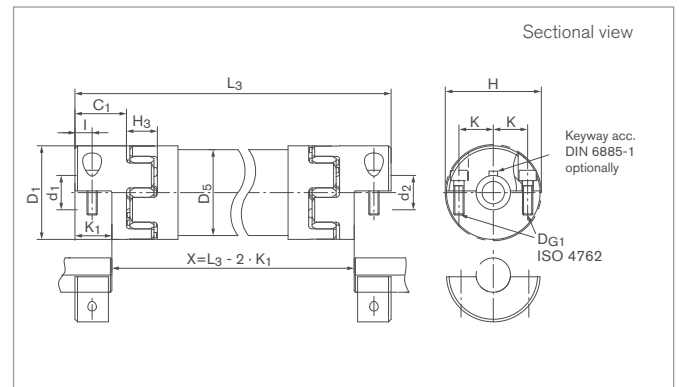
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# Elastomer Jaw Couplings

## RINGFEDER® GWE Z5106.1

Servo-Insert coupling with clamping hubs in split hub design for large shaft spacings



Size	d <sub>1</sub> ;d <sub>2</sub> min-max	d <sub>1k</sub> ;d <sub>2k</sub> min-max	C <sub>1</sub>	D <sub>1</sub>	D <sub>5</sub>	H	H <sub>3</sub>	I	K	K <sub>1</sub>	L <sub>3</sub> min-max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
14	5 - 16	5 - 16	11,0	30	30	32,0	13	5,0	11,0	9,0	85 - 3000
19	6 - 20	6 - 20	25,5	40	40	46,0	16	8,0	14,5	19,0	146 - 3000
24	10 - 32	10 - 32	30,0	55	50	57,0	18	10,5	20,0	21,0	180 - 3000
28	10 - 38	10 - 38	35,0	65	60	71,0	20	11,0	24,5	23,5	216 - 3000
38	12 - 48	12 - 48	45,0	80	80	83,0	24	15,5	30,0	33,0	266 - 3000
42	14 - 54	14 - 54	50,0	95	90	95,0	26	18,0	32,5	35,0	280 - 3000
48	15 - 60	15 - 60	57,5	105	100	104,5	28	21,0	37,0	41,0	296 - 3000

Size	T	C <sub>m</sub>	H <sub>es</sub>	D <sub>G1</sub>	T <sub>A1</sub>
	Nm	Nm/rad		mm	Nm
14	12,5	1526	98 SH A	2 x M3	2
19	17	3244	98 SH A	2 x M6	11
24	60	6631	98 SH A	2 x M6	15
28	160	11815	98 SH A	2 x M8	32
38	325	44929	98 SH A	2 x M8	38
42	450	75797	98 SH A	2 x M10	84
48	525	91158	98 SH A	2 x M12	145

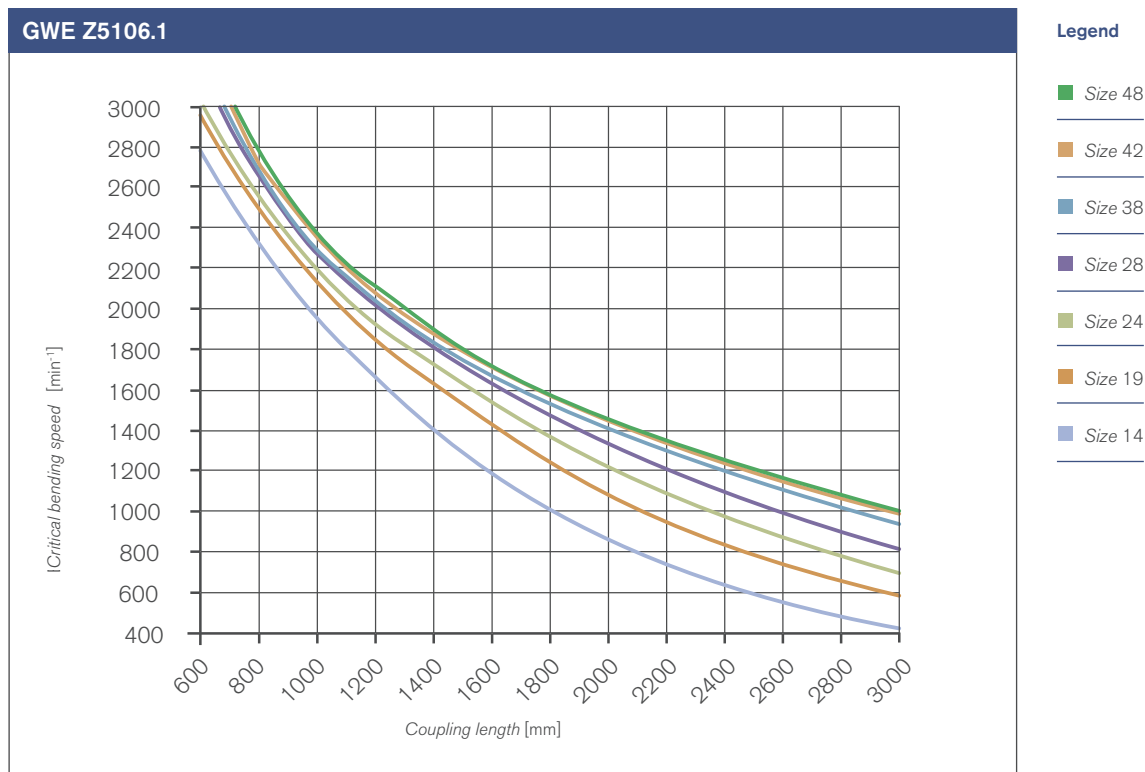
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### Elastomer Jaw Couplings RINGFEDER® GWE Z5106.1

Transmissible torque T [Nm]

Size	Ø5	Ø6	Ø8	Ø9	Ø10	Ø12	Ø14	Ø15	Ø16	Ø18	Ø20	Ø22	Ø24	Ø25	Ø30	Ø35	Ø40	Ø44	Ø48	Ø50	Ø58
	Nm																				
14	3,7	4,4	5,9	6,6	7,4	8,8	10,3	11,1	11,8	---	---	---	---	---	---	---	---	---	---	---	---
19	---	12,6	17	17	17	17	17	17	17	17	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	29	34	40	43	46	51	57	60	60	60	60	---	---	---	---	---	---
28	---	---	---	---	---	55	65	69	74	83	92	102	111	116	139	162	---	---	---	---	---
38	---	---	---	---	---	66	77	82	88	99	110	121	132	137	165	192	219	247	---	---	---
42	---	---	---	---	---	---	139	149	159	179	198	218	238	248	298	347	397	446	---	---	---
48	---	---	---	---	---	---	---	---	233	262	292	321	350	364	437	510	525	525	525	525	525

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



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## Elastomer Jaw Couplings RINGFEDER® GWE Z5106.1

### Explanations

<b>d<sub>1</sub>;d<sub>2min</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H</b> = Clearance diameter	<b>T</b> = Transmissible torque at given T <sub>A</sub>
<b>d<sub>1</sub>;d<sub>2max</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub>	<b>H<sub>3</sub></b> = Length of damping module	<b>C<sub>m</sub></b> = Torsional stiffness of extension tube per meter
<b>d<sub>1k</sub>;d<sub>2kmin</sub></b> = Min. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>l</b> = Distance between center screw hole and hub end	<b>H<sub>es</sub></b> = Hardness of the elastomeric spider
<b>d<sub>1k</sub>;d<sub>2kmax</sub></b> = Max. bore diameter d <sub>1</sub> /d <sub>2</sub> with keyway acc. to DIN 6885-1	<b>K</b> = Distance shaft axis - clamping screw axis	<b>D<sub>G1</sub></b> = Thread
<b>C<sub>1</sub></b> = Guided length in hub bore	<b>K<sub>1</sub></b> = Clamping length	<b>T<sub>A1</sub></b> = Tightened torque of clamping screw D <sub>G1</sub>
<b>D<sub>1</sub></b> = Outer diameter	<b>L<sub>3min</sub></b> = Min. length of line shaft	
<b>D<sub>5</sub></b> = Tube diameter	<b>L<sub>3max</sub></b> = Max. length of line shaft	

### Ordering example

Series Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Length of Line Shaft L <sub>3</sub>	Spider hardness (optional) <sup>1)</sup>	Spider bore d <sub>bz</sub> (optional) <sup>1)</sup>	Further details
GWE Z5106.1-14	8	10	1000	64 SH D	8,5	*

<sup>1)</sup> 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 Z5106.1**  
 on [www.ringfeder.com](http://www.ringfeder.com)

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