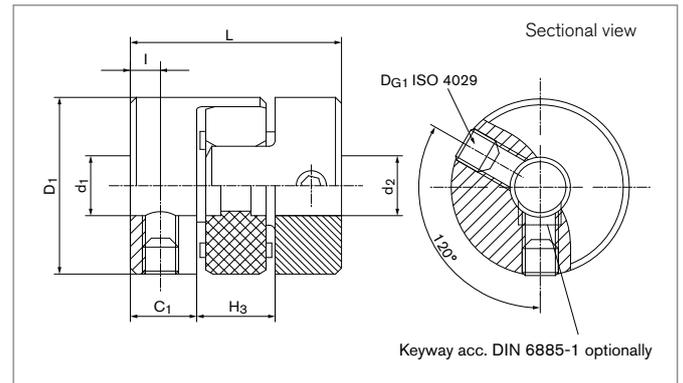


Elastomer Jaw Couplings

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	Gw	DG1	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

d₁;d₂min = Min. bore diameter d ₁ /d ₂	D₁ = Outer diameter	n_{max} = Max. rotation speed
d₁;d₂max = Max. bore diameter d ₁ /d ₂	H₃ = Length of damping module	J = Total moment of inertia
d_{1k};d_{2k}min = Min. bore diameter d ₁ /d ₂ With keyway acc. to DIN 6885-1	l = Distance between center screw hole and hub end	Gw = Weight
d_{1k};d_{2k}max = Max. bore diameter d ₁ /d ₂ With keyway acc. to DIN 6885-1	L = Total length	D_{G1} = Thread
C₁ = Guided length in hub bore	T = Transmissible torque at given T _A	T_{A1} = Tightened torque of clamping screw D _{G1}
	H_{es} = Hardness of the elastomeric spider	

Ordering example

Series Size	Bore diameter d ₁	Bore diameter d ₂	Spider hardness (optional) ¹⁾	Spider bore d _{bz} (optional) ¹⁾	Further details
GWE 5102-24	12	27	92 SH A	24	*

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 5102
 on www.ringfeder.com

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