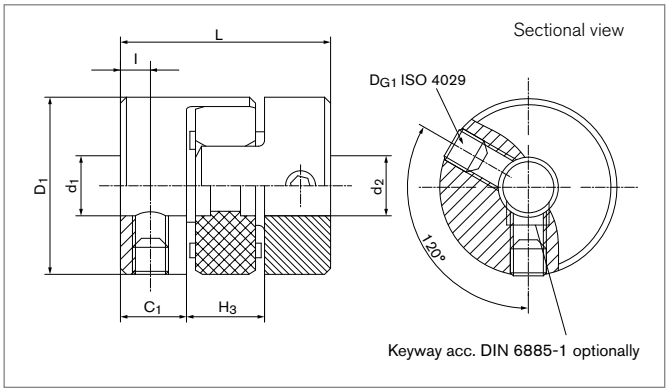
Elastomer Jaw Couplings
RINGFEDER® GWE 5102
Miniature coupling with set screw hubs





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

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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

$d_1;d_{2min}$ = Min. bore diameter d_1/d_2
$d_1;d_{2max}$ = Max. bore diameter d_1/d_2
$d_{1k};d_{2kmin}$ = Min. bore diameter d_1/d_2 With keyway acc. to DIN 6885-1
$d_{1k};d_{2kmax}$ = Max. bore diameter d_1/d_2 With keyway acc. to DIN 6885-1
C_1 = Guided length in hub bore
D_1 = Outer diameter
H_3 = Length of damping module
I = Distance between center screw hole and hub end
L = Total length
T = Transmissible torque at given T_A
H_{es} = Hardness of the elastomeric spider
n_{max} = Max. rotation speed
J = Total moment of inertia
Gw = Weight
D_{G1} = Thread
T_{A1} = Tightened torque of clamping screw D_{G1}

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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