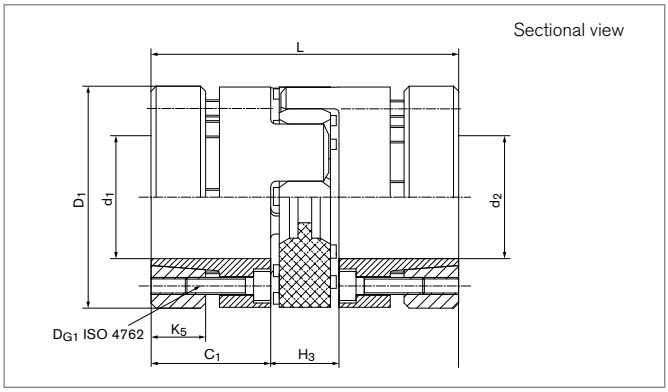
Elastomer Jaw Couplings

RINGFEDER® GWE 5112

Servo-Insert coupling with outer cone



Size	$d_1;d_2$ min-max	C_1	D_1	H_3	K_5	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_{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
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

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Transmissible torque T [Nm]

Size	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	525

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

K_5 = Width of clamping ring

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]
GWE 5112-42	32	41	64 SH D	42

[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“

Technical Information

- Hubs up to size 38 made of aluminum, from size 42 made of steel

Further information on
RINGFEDER® GWE 5112
on **www.ringfeder.com**

RINGFEDER POWER TRANSMISSION