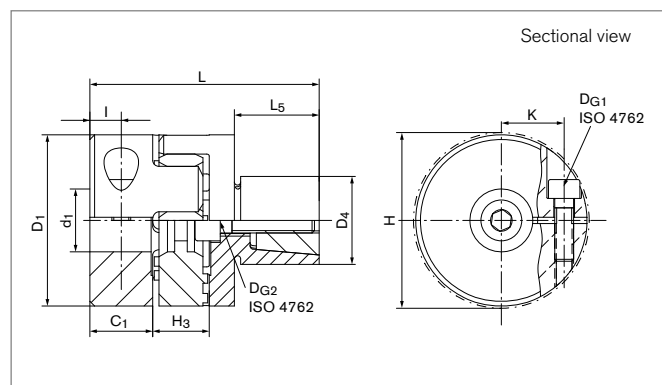
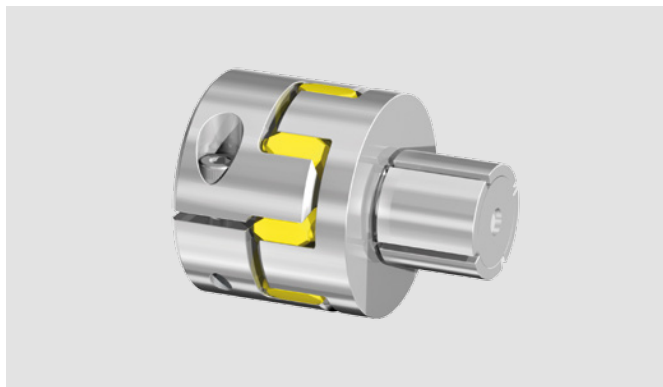


Elastomer Jaw Couplings

RINGFEDER® GWE 5107

Servo-Insert coupling with clamping hubs and expanding clamps



Size	d ₁ min-max	d _{1k} min-max	C ₁	D ₁	D ₄ min-max	H	H ₃	I	K	L	L ₅
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
9	4 - 11	6 - 11	8	19,5	10 - 15	22,5	10	4	7,3	34	12
12	4 - 12	6 - 12	7	25	10 - 15	26	12	3,5	8,5	38	12
14	5 - 15	6 - 15	9,5	29,5	13 - 25	33	13	5	10,5	48	20
19	8 - 22	8 - 22	17	39,5	14 - 30	43	16	6	15	65	25
24	10 - 31	10 - 31	20	54,5	23 - 36	56	18	10	20	73	27
28	14 - 35	14 - 35	21,5	64,5	26 - 42	67	19	11	23,5	83	32

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}	D _{G2}	T _{A2}
	Nm		1/min	10 ⁻³ kgm ²	kg	mm	Nm	mm	Nm
9	3	92 SH A	19000	0,002	0,04	1 x M2,5	0,75	4	4
12	5	92 SH A	15000	0,0046	0,063	1 x M3	1,5	4	4
14	12,5	98 SH A	13000	0,011	0,11	1 x M4	5	5	9
19	17	98 SH A	10000	0,045	0,26	1 x M5	10	6	12
24	60	98 SH A	7000	0,164	0,51	1 x M6	18	8	32
28	160	98 SH A	6000	0,373	0,83	1 x M8	43	10	60

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Elastomer Jaw Couplings RINGFEDER® GWE 5107

Transmissible torque T [Nm]

Transmissible torque														
Size	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø15	Ø18	Ø20	Ø25	Ø26	Ø28	Ø30
	Nm													
9	1,7	2,1	2,4	3	3	---	---	---	---	---	---	---	---	---
12	2,9	3,6	4,5	5	5	5	---	---	---	---	---	---	---	---
14	---	9	11	12,5	12,5	12,5	12,5	13	---	---	---	---	---	---
19	---	---	---	17	17	17	17	17	17	17	---	---	---	---
24	---	---	---	---	44	52	60	60	60	60	60	60	60	60
28	---	---	---	---	---	---	113	120	141	155	160	160	160	160

Explanations

d₁;d_{2min} = Min. bore diameter d ₁ /d ₂	H = Clearance diameter	Gw = Weight
d₁;d_{2max} = Max. bore diameter d ₁ /d ₂	H₃ = Length of damping module	D_{G1} = Thread
d_{1k};d_{2kmin} = Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	l = Distance between center screw hole and hub end	T_{A1} = Tightened torque of clamping screw D _{G1}
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	D_{G2} = Thread
C₁ = Guided length in hub bore	L = Total length	T_{A2} = Tightened torque of clamping screw D _{G2}
D₁ = Outer diameter	L₅ = Expanding mandrel length	
D_{4 min} = Min. outer diameter of the cone hub	T = Transmissible torque at given T _A	
D_{4 max} = Max. outer diameter of the cone hub	H_{es} = Hardness of the elastomeric spider	
	n_{max} = Max. rotation speed	
	J = Total moment of inertia	

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 5107-24	25	29	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 5107
 on www.ringfeder.com

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