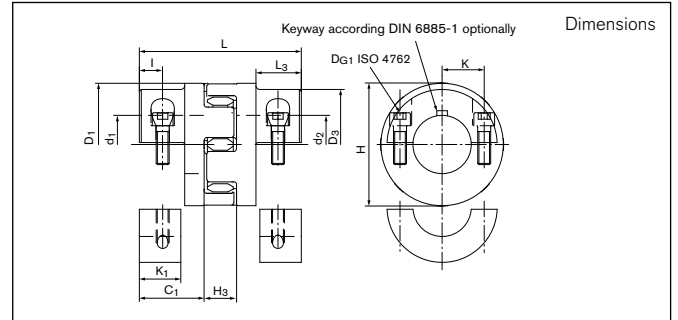


**Backlash-free
Servo-Insert Couplings**

GERWAH® GWE 5106



Dimensions

- d₁, d_{2min}** = Min. bore diameter
- d₁, d_{2max}** = Max. bore diameter
- d_{1k}, d_{2kmin}** = Min. bore diameter with keyway
acc. to DIN 6885-1
- d_{1k}, d_{2kmax}** = Max. bore diameter with keyway
acc. to DIN 6885-1
- C₁** = Guided length in hub boring

- D₁** = Outer diameter hub
- D₃** = Outer diameter hub
- H** = Clearance diameter
- H₃** = Length of damping part
- I** = Distance between center screw hole
and hub end

- K** = Distance shaft axis - clamping
screw axis
- K₁** = Clamping length
- L₃** = Section length of hub
- L** = Total length

Size	d ₁ ; d ₂ min-max		C ₁	D ₁	D ₃	H	H ₃	I	K	K ₁	L	L ₃
	Without keyway	With keyway										
	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_{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.

To continue see next page

Backlash-free Servo-Insert Couplings
GERWAH® GWE 5106
Technical Data

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 diameter
T_{A1} = Tightened torque of clamping screw (G1)

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	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	95 SH A	2800	30,72	13,7	2 x M12	145
75	1920	95 SH A	2350	66,68	21,34	2 x M16	295

Transmissible torque T [Nm]

Size	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø60	Ø65	Ø70	Ø80	Ø90	Ø95
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

Ordering example: GWE 5106

Series/Size	Bore diameter d ₁	Bore diameter d ₂	Further details
GWE 5106-42	40	44	*

* Keyway

Subject to technical changes.