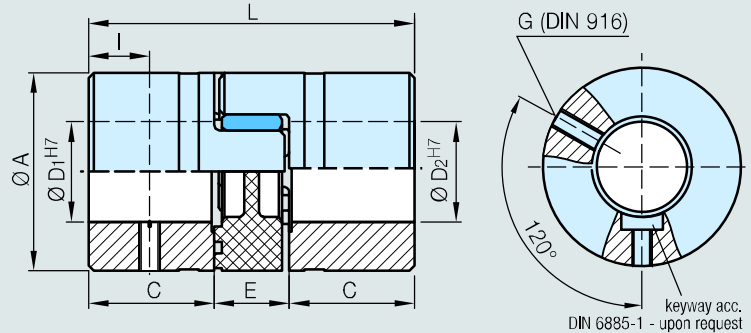


Backlash-free Servo-insert Coupling Type EK/GS



Technical data series EK/GS

Type	5	7	9	14	19	24
Nominal torque (Nm) T _{KN} (92ShA)	0,5	1,2	3,0	7,5	10	35
Moment of inertia of coupling (10 ⁻⁶ kgm ²) J ¹⁾	0,034	0,196	1,08	5,7	36	162
Tightening torque of screws (Nm) MA	1,3	1,3	3	10	10	10
Weight per hub (app. g) m	0,9	2,6	7,3	18	70	160
Max. speed (rpm) n _{max}	47500	34000	24000	16000	12000	8500
Standard shore hardness	92 SH A (yellow)					

Dimensions (mm) Type EK/GS

Type	5	7	9	14	19	24
L	15	22	30	35	66	78
A	10	14	20	30	40	55
C	5	7	10	11	25	30
Ø D ₁ ^{H7} / Ø D ₂ ^{H7} min. - max.	2-5	3-7	4-11	4-16	6-24	8-28
E	5	8	10	13	16	18
I	2,5	2,5	5	5	10	10
G (DIN 916)	1xM3	1xM3	2xM4	2xM6	2xM6	2xM6
Hub material	aluminium alloy					

Bore range D1/D2 and corresponding transmissible torque values (Nm) of the coupling

Type	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 9	Ø 10	Ø 11	Ø 12	Ø 13	Ø 14	Ø 15	Ø 16	Ø 17	Ø 18	Ø 20	Ø 24	Ø 28
5	0,1	0,4	0,5	0,5																
7		0,4	1	1,2	1,2	1,2														
9			1	2	3	3	3	3	3	3										
14			1	2	3,6	6	7,5	7,5	7,5	7,5	7,5	7,5	7,5	7,5						
19					3,6	6	9	10	10	10	10	10	10	10	10	10	10	10	10	
24							9	12	17	22	29	35	35	35	35	35	35	35	35	35

¹⁾ Moment of inertia and weight (mass) are calculated with reference to the largest bore size.