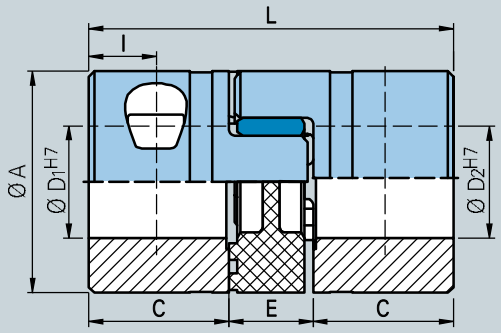
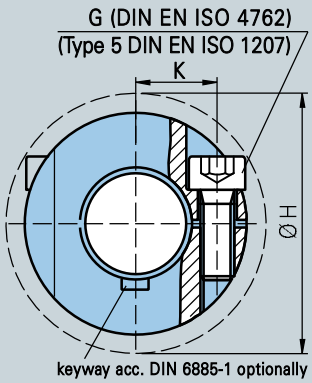
Backlash-free Servo-insert Coupling Type DK/GS





Technical data series DK/GS

Type			5	7	9	14	19
Nominal torque	(Nm)	$T_{KN\ (92ShA)}$	0,5	1,2	3,0	7,5	10
Moment of inertia of coupling	(10^{-6} kgm²)	J[1)]	0,034	0,196	1,08	5,7	36
Tightening torque of screws	(Nm)	M_A	0,25	0,35	0,75	5	10
Weight per hub	(app. g)	m	0,9	2,6	7,3	18	70
Max. speed	(rpm)	n_{max}	38000	27000	19000	13000	10000
Standard shore hardness			92 SH A (yellow)				

Dimensions (mm) series DK/GS

Type		5	7	9	14	19
L		15	22	30	35	66
A		10	14	20	30	40
C		5	7	10	11	25
Ø D_1^{H7} / Ø D_2^{H7}	min. - max.	2-4	3-7	4-11	9-14	10-20
K		3,2	5	7,3	10,5	15
E		5	8	10	13	16
I		2,5	3,5	5	5	6
G (DIN EN ISO 4762)		M1,6	M2	M2,5	M4	M5
H (clearance diameter)		11,5	16,5	23,5	34	45
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
5	0,1	0,4	0,5															
7		0,4	0,9	0,95	1	1,1												
9			1	2	2,3	2,4	2,5	2,6	2,7	2,8								
14								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

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

Ordering data

DK/GS 9 - 4H7 - 10H7 - xxxxx

- DK/GS 9 — Type
- 4H7 — Bore size D1
- 10H7 — Bore Size D2
- xxxxx — Additional details, e.g. different shore hardness (p.14), keyway

- Economical hub design
- Installation-friendly
- Electrically isolating
- Vibration damping
- Fail-safe design