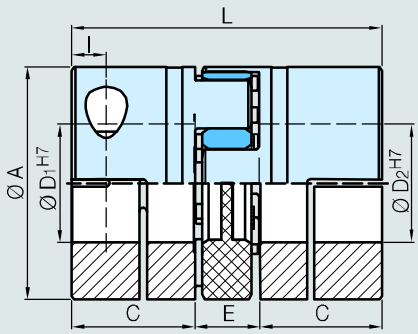
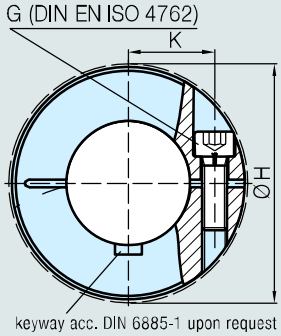
Backlash-free Servo-insert Coupling Type ADS





Technical data Type ADS

Type			14	19	24	28	38	42	48
Nominal torque	(Nm)	$T_{KN\ (92ShA)}$	12,5	17	60	160	325	450	525
Moment of inertia of coupling	(10^{-6} kgm^2)	J[1)]	0,0057	0,036	0,15	0,33	1,04	6,1	14,6
Tightening torque of screws	(Nm)	M_A	5	10	18	43	84	84	145
Weight per hub	(app. kg)	m	0,018	0,07	0,15	0,24	0,45	2,06	2,6
Max. Speed	(rpm)	n_{max}	13000	10000	7000	6000	5000	4000	3600
Standard shore hardness			98 SH A (red)						

Dimensions (mm) Type ADS

Type		14	19	24	28	38	42	48
L		35	66	78	90	114	126	140
A		30	40	55	65	80	95	105
C		11	25	30	35	45	50	56
Ø D_1^{H7} / Ø D_2^{H7}	min. - max.	10-14	10-20	20-28	24-35	32-44	35-50	40-60
K		10,5	15	20	24	30	35	40
E		13	16	18	20	24	26	28
l		5	6	10	11	13	14	15
G (DIN EN ISO 4762)		M4	M5	M6	M8	M10	M10	M12
H (clearance diameter)		34	45	57	70	89	96	110
Hub material		aluminium alloy					steel	

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

Type	Ø 10	Ø 11	Ø 13	Ø 14	Ø 16	Ø 18	Ø 19	Ø 20	Ø 24	Ø 25	Ø 28	Ø 30	Ø 32	Ø 35	Ø 38	Ø 40	Ø 42	Ø 44	Ø 48	Ø 50	Ø 60
14	12,5	12,5	12,5	12,5																	
19	17	17	17	17	17	17	17	17													
24								60	60	60	60										
28									160	160	160	160	160	160	160						
38													325	325	325	325	325	325			
42														415	427	435	443	450	450	450	
48																525	525	525	525	525	525

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