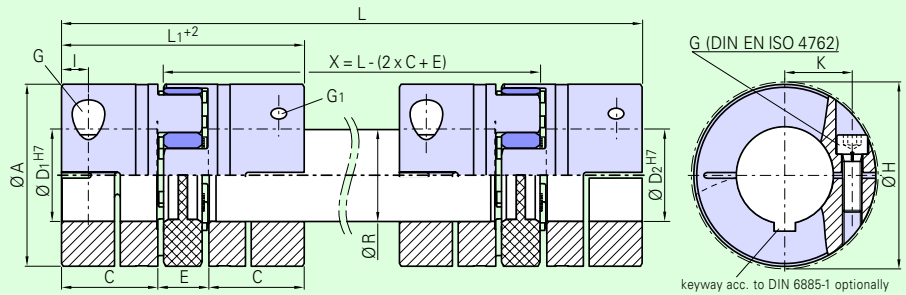


Backlash-free Servo-insert Coupling Series ADS-ZW

type Line Shaft



Technical Data Series ADS-ZW

Type			14	19	24	28	38	42	48
Nominal torque	(Nm)	T _{KN} (98ShA)	12,5	17	60	160	325	450	525
Tightening torque of screws	(Nm)	MA	5	10	18	43	84	84	145
Torsional stiffness (tube)	(Nm/rad)	C per m	70	130	950	1.800	5.200	11.800	17.500
Max. speed	(min ⁻¹)	n _{max}	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Standard shore hardness			98 SH A (red)						
Misalignment			see page 10						

Dimensions (mm) Series ADS-ZW

Type		14	19	24	28	38	42	48
L	(max.)	3.000	3.000	3.000	3.000	3.000	3.000	3.000
L ₁		35	66	78	90	114	126	140
A		30	40	55	65	80	95	105
I		5	6	10	11	13	14	15
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
R (steel precision tube)		10 x 2,0	12 x 2,0	20 x 3,0	25 x 2,5	32 x 3,5	40 x 4,0	45 x 4,0
G/G ₁ (DIN 912)		M4	M5	M6	M8	M10	M10	M12
H (clearance diameter)		34	45	57	70	89	96	110
Hub material		Al	Al	Al	Al	Al	St	St

More length dimensions upon request! Please ask for technical advice if you require higher speeds, bigger fitting lengths or if you install the coupling in a vertical way. To facilitate the assembly we recommend to keep the distance dimension X of the shaft. A tube with a shift fit is also available. For more information see the catalogue Backlash-free Servo-insert Couplings.

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	12,5																
19	17	17	17	17	17	17	17	17													
24								60	60	60	60										
28									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

Ordering data

ADS-ZW 14/80	-	4H7	-	10H7	-	xxxxx
Type/total length						
Bore size D ₁						
Bore size D ₂						
Additional details, e.g. different shore hardness, keyway						

- Cost-efficient design
- Installation-friendly
- Electrically isolating, vibration damping
- Backlash-free
- Fail-safe design