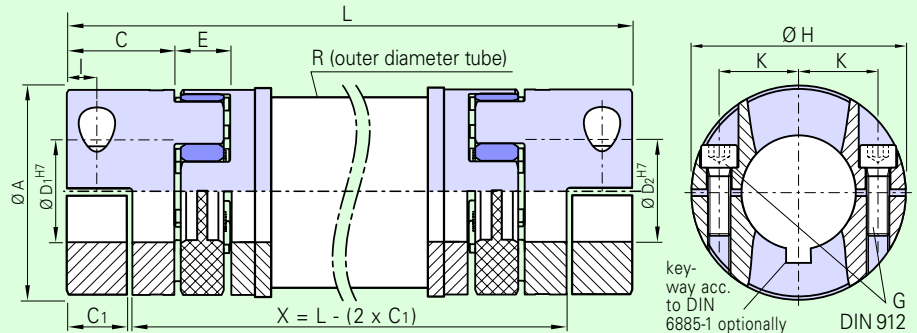


Backlash-free Servo-insert Coupling Series ADS/H-ZW

type Line Shaft (half shell design)

This picture shows a special design of the ADS/H-ZW: one side with metal bellow and the other side with an elastomeric spider



Technical Data Series ADS/H-ZW

Type			14	19	24	28	38	42	48
Nominal torque	(Nm)	T_{KN}	12,5	17	60	160	325	450	525
Tightening torque of screws	(Nm)	G	5	10	18	43	84	84	145
Torsional stiffness (tube)	(Nm/rad)	C per m	700	1.610	7.120	12.700	22.350	73.000	251.000
Max. speed	(min^{-1})	n_{max}	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Misalignment			see page 10						

Dimensions (mm) Series ADS/H-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
C			11	25	30	35	45	50	56
C_1			9	14	21	24	25	27	30
A			30	40	55	65	80	95	105
l			5	6	10	11	13	14	15
$\text{Ø } D_1^{H7} / \text{Ø } D_2^{H7}$	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 (precision tube)			28	35	50	60	76	90	100
G/G ₁ (2 x DIN 912)			M4	M5	M6	M8	M10	M10	M12
H (clearance diameter)			34	45	57	70	89	96	110
Tube/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. For more information see the catalogue [Backlash-free Servo-insert Couplings](#). Metal bellow version available optionally.

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/H-ZW 14/80 - 4H7 - 10H7 - xxxxx

Type/total length

Bore size D₁

Bore size D₂

Additional details, e.g. stainless steel keyway, CFK-tube

- Cost-efficient design
- Installation-friendly
- Electrically isolating, vibration damping
- Backlash-free, fail-safe design
- For higher torque transmission