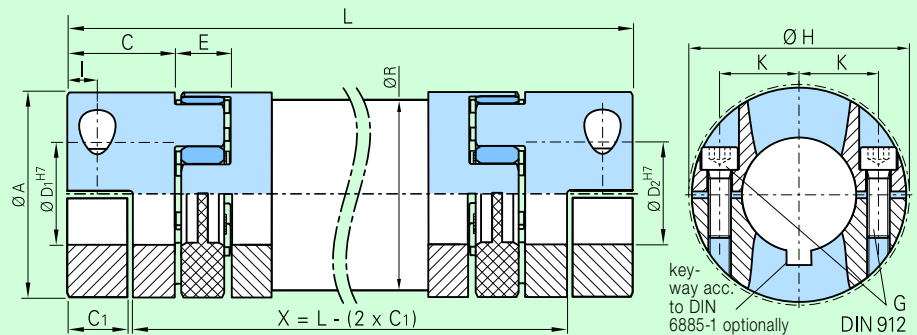


Backlash-free Servo-insert Coupling Series ADS/H-ZW

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	57,5
C ₁			8	12	19,5	21,5	25,5	25,5	29,5
A			30	40	55	65	80	95	105
I			5	6	10	11	13	14	15
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 (precision tube)			28	35	50	60	75	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/Al	Al/Al	Al/Al	Al/St	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

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