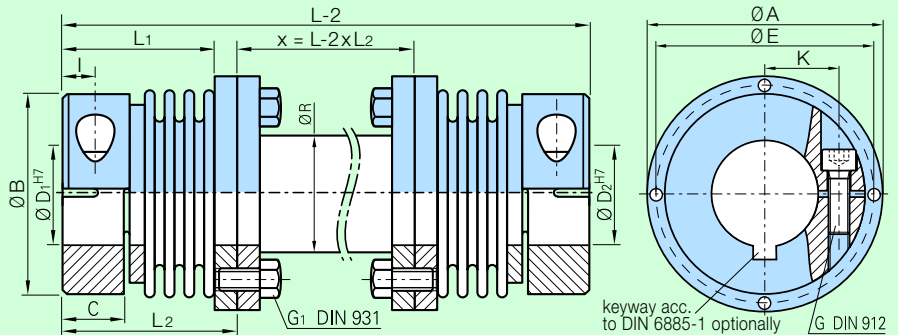


# Backlash-free Metal Bellow Coupling Series AKN-ZW

## type Line Shaft (flange design)



### Technical Data Series AKN-ZW

Type		18	30	60	150	200	300	500
Nominal torque (Nm)	$T_{KN}$	18	30	60	150	200	300	500
Tightening torque of screws (Nm)	G	6	15	30	70	80	90	145
Tightening torque of flange screws (Nm)	G <sub>1</sub>	3	4	7	10	12	30	30
Torsional stiffness (tube) (Nm/rad)	C per m	1.610	7.120	12.700	22.350	72.000	251.000	337.000
Max. speed (min <sup>-1</sup> )	$n_{max}$	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Misalignment		see page 10						

### Dimensions (mm) Series AKN-ZW

Type		18	30	60	150	200	300	500
L	(max.)	3.000	3.000	3.000	3.000	3.000	3.000	3.000
L <sub>2</sub>		53	54,5	59,5	70	75,5	81,5	85
B		45	55	66	80	90	96	110
L <sub>1</sub>		44	43	49,5	57,5	63,5	67,5	71
C		11	15	19,5	21,5	25,5	26	29,5
Ø D <sub>1</sub> <sup>H7</sup> / Ø D <sub>2</sub> <sup>H7</sup>	min. - max.	10-25	20-25	23-35	28-35	32-42	40-45	40-60
R (outer diameter tube)		35	50	60	75	90	100	110
G (DIN 912)		M5	M6	M8	M10	M12	M12	M12
I		5,5	7,5	10	11	13	13	15
G <sub>1</sub> (DIN 931)		4 x M4	6 x M4	6 x M5	8 x M6	8 x M6	8 x M8	8 x M8
E		52	62	72	88	104	120	132
K		17,5	20	23,5	27	31	35	40
A		60	70	85	98	120	135	148
Tube/hub material		Al/Al	Al/Al	Al/Al	Al/Al	Al/St	St/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 Metal Bellow Couplings](#).

**For higher torque transmission of this coupling a conical hub design is available as an alternative to the clamping hub design.**

### Ordering data

AKN-ZW 18/500 - 10<sup>H7</sup> - 25<sup>H7</sup> - xxxxxx

Type/total length

Bore size D<sub>1</sub>

Bore size D<sub>2</sub>

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

- Absolutely backlash free
- Installation length up to 6 m
- Simplest assembly
- Universal joint tube CFK (optional)

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