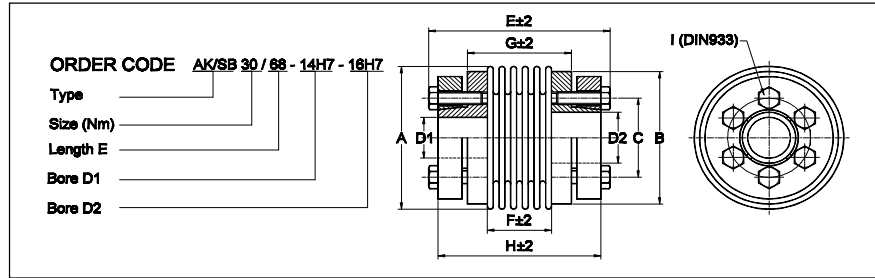
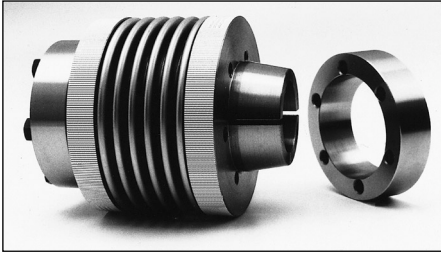


AK/SB METAL BELLOWS COUPLINGS WITH OUTER CONICAL HUBS



DIMENSIONS (mm):

Type AK/SB	A	B	C ²⁾	D1 - D2 ³⁾		E	F	G	H	I DIN 933
				Min H7	Max H7					
AK/SB 18	45	45	28	9 - 15		65 73	24 32	38 46	58 66	4xM5
AK/SB 30	56	52	31	12 - 20		60 68	16 24	31 39	53 61	6xM5
AK/SB 60	66	65	44	15 - 32		80 90	21 31	37 47	73 83	6xM6
AK/SB 150	82	80	51	20 - 35		98 110	24 36	50 62	90 102	6xM6
AK/SB 200	90	85	56	20 - 42		98 110	25 37	51 63	90 102	6xM6
AK/SB 300	110	110	75	25 - 50		111 122	29 40	56 67	100 111	6xM8
AK/SB 500	122	122	80	35 - 55		135	40	72	124	6xM8
AK/SB 800	157	152	92	50 - 70		180	84	110	164	6xM12
AK/SB 1400	157	152	100	50 - 70		180	84	110	164	6xM12
AK/SB 3000	157	152	125	55 - 75		220	84	146	204	6xM12
AK/SB 5000	208	200	125	60 - 85		245	94	146	205	6xM16

1) Hubs made of steel.

2) C dimension is for the maximum bore size. C dimension will be reduced for smaller bore sizes.

3) Transmission of the coupling's rated torque is only guaranteed for bore sizes within the recommended range with standard H7 bore tolerances unless otherwise specified. Other types of borings can, however, be supplied by the manufacturer. All hub borings are supplied to fit standard H7 according to the customer's data.

TECHNICAL RATINGS:

Type AK/SB	Rated Torque (Nm)	Torsional Stiffness 10^3 (Nm/rad)	Max RPM (min^{-1})	Moment of Inertia 10^3 J (gcm ²)	Misalignment (mm)		Misalignment Angular (degrees°)	Spring Stiffness (N/mm)		Torque to Tighten Screws I M _A = (Nm)	Mass m (kg)
					Lateral	Axial		Lateral	Axial		
AK/SB 18	18	8 6	12700	1	0.1 0.2	0.4 0.5	1.0 1.5	204 86	52 39	5.9	0.3
AK/SB 30	30	36 26	11000	1.5	0.1 0.2	0.4 0.5	1.0 1.5	718 222	48 27	5.9	0.4
AK/SB 60	60	73 49	9100	4	0.1 0.2	0.4 0.5	1.0 1.5	1125 333	91 53	8.7	0.8
AK/SB 150	150	151 101	7000	8	0.2	0.4 0.5	1.0 1.5	2030 601	147 86	15	1.3
AK/SB 200	200	173 116	6700	15	0.2	0.4 0.5	1.0 1.5	2531 450	147 85	15	1.6
AK/SB 300	300	499 280	5200	40	0.2	0.4 0.5	1.0 1.5	6328 1470	284 153	25	3.4
AK/SB 500	500	310	4600	140	0.2	1.0	1.5	972	86	36	4
AK/SB 800	800	758	3700	480	0.2	1.0	1.5	512	186	85	7.5
AK/SB 1400	1400	1266	3700	480	0.2	1.0	1.5	706	278	115	7.5
AK/SB 3000	3000	2800	2800	540	0.2	1.0	1.5	2950	310	125	16
AK/SB 5000	5000	4800	2800	1360	0.2	1.0	1.5	4920	510	210	27

The dimensioning of the couplings is always based on the peak torque (Mmax) which is to be transmitted regularly by the drive motors.

For the basis of the calculation of the coupling's rated torque, see ordering data.

The couplings, under no circumstances, should be submitted to a torque greater than 2.5 times the rated torque.

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