



### DIMENSIONS: (mm)

Type AKN	A	B	C	D1 - D2 <sup>4)</sup>		E	F	I DIN 912	L	N
				Min H7	Max H7					
AKN 18	45	45	12	10	25	63	24	M 5	17.5	48
AKN 30	56	56	15	10	25	65	16	M 6	20	56
AKN 60	66	66	19.5	14	35	78	20	M 8	24	70
AKN 80	82	82	21.5	20	40	91	24	M 10	28	84
AKN 150	82	82	21.5	20	40	91	24	M 10	28	84
AKN 200	90	90	25.5	25	42	100	24	M 12	31	93
AKN 300	110	110	28	32	60	102	27	M12	35	102
AKN 500	122	122	29.5	40	70	110	28	M 12	40	108

1) Hubs made of Al 6061 T6, hub sizes larger than 60 are made of steel.

2) Keyways according to standard DIN 6885 or American on request.

3) Clearance of keyway, Standard JS 9.

4) Transmission of the coupling's rated torque (Mnom) is only guaranteed for bore sizes with the recommended range with standard H7 bore tolerances unless otherwise specified. Other types with 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 AKN	Rated Torque (Nm)	Torsional Stiffness 10 <sup>3</sup> (Nm/rad)	Max RPM (min <sup>-1</sup> )	Moment of Inertia 10 <sup>3</sup> J (gcm <sup>2</sup> )	Misalignment (mm)		Misalignment Angular (degrees°)	Spring Stiffness (N/mm)		Torque to tighten screws I MA = (Nm)	Mass m (kg)
					Lateral	Axial		Lateral	Axial		
AKN 18	18	8	12700	2	0.2	0.5	1.5	204	52	6	0.2
AKN 30	30	36	10200	4.4	0.1	0.4	1	718	48	12	0.3
AKN 60	60	73	8600	10	0.1	0.4	1	1125	91	30	0.6
AKN 80	80	126	6800	28	0.2	0.4	1	1218	84	50	2.3
AKN 150	150	151	6800	28	0.2	0.4	1	2030	147	50	2.3
AKN 200	200	173	6300	42	0.2	0.4	1	2531	147	80	3.3
AKN 300	300	499	5900	62	0.2	0.4	1	6328	284	90	4.1
AKN 500	500	680	4900	90	0.2	0.5	1	8800	105	145	4.8

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.