



DIMENSIONS: (mm)

Type AKN	A	B	C	D1 - D2 ⁴⁾		E ⁵⁾	F	I	L	N
				Min H7	Max H7					
AKN 18	45	45	12	10	25	63	24	M5	17.5	48
AKN 60	66	66	19.5	14	35	78	20	M8	24	70
AKN 150	82	82	21.5	20	40	91	24	M10	28	84
AKN 300	110	110	28	32	60	100	27	M12	42	102
AKN 500	122	122	29.5	40	70	110	28	M12	48	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 (M) is only guaranteed for bore sizes with the recommended range with standard H7 bore tolerances unless otherwise specified. Other special bores can, however, be supplied by the manufacturer. All hub bores are supplied to fit standard H7 according to the customer's data.
- 5) For other models previously offered please consult the factory.

TECHNICAL RATINGS:

Type AKN	Rated Torque (M) (Nm)	Torsional Stiffness 10 ³ (Nm/rad)	Moment of Inertia 10 ³ J (gcm ²)	Misalignment (mm)		Misalignment (degrees ^o)		Spring Stiffness (N/mm)		Torque to tighten screws (Nm)	Mass m (kg)
				Lateral	Axial	Angular	Lateral	Axial			
AKN 18	18	8	1.8	0.2	0.5	1.5	204	52	6	0.2	
AKN 60	60	73	8.9	0.2	0.5	1.5	1125	91	30	0.6	
AKN 150	150	151	24.9	0.2	0.5	1.5	2030	147	50	2.3	
AKN 300	300	499	55	0.2	0.5	1.5	6328	284	90	4.1	
AKN 500	500	680	79.9	0.2	1.0	1.5	8800	105	145	4.9	

The dimensioning of the couplings is always based on the peak torque (M_{max}) which is to be transmitted regularly by the servo 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.