



DIMENSIONS: (mm)

Type AKD	A	B	C	D1 - D2 ⁴⁾		E	F	I DIN 912	L	N
				Min H7	Max H7					
AKD 18	45	45	12	10	25	71	32	M 5	17.5	48
AKD 30	56	56	15	10	25	73	24	M 6	20	56
AKD 60	66	66	19.5	14	35	89	31	M 8	24	70
AKD 80	82	82	21.5	20	40	103	35	M 10	28	84
AKD 150	82	82	21.5	20	40	104	36	M 10	28	84
AKD 200	90	90	25.5	25	42	113	37	M 12	32	93
AKD 300	110	110	28	32	60	115	40	M12	42	102
AKD 500	122	122	29.5	40	70	122	40	M 12	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 (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 AKD	Rated Torque (Nm)	Torsional Stiffness 10 ³ (Nm/rad)	Max RPM at V=30m/sec (min ⁻¹)	Moment of Inertia 10 ³ J (gcm ²)	Misalignment (mm)		Misalignment Angular (degrees°)	Spring Stiffness (N/mm)		Torque to tighten screws I MA = (Nm)	Mass m (kg)
					Lateral	Axial		Lateral	Axial		
AKD 18	18	6	12700	2	0.2	0.5	1.5	86	39	6	0.2
AKD 30	30	26	10200	4.4	0.2	0.5	1.5	222	27	12	0.3
AKD 60	60	40	8600	10	0.2	0.5	1.5	333	53	30	0.6
AKD 80	80	74	6800	28	0.2	0.5	1.5	403	53	50	2.3
AKD 150	150	101	6800	28	0.2	0.5	1.5	601	86	50	2.3
AKD 200	200	116	6300	42	0.2	0.5	1.5	450	85	80	3.3
AKD 300	300	280	5900	62	0.2	0.5	1.5	1470	153	90	4.1
AKD 500	500	310	4900	90	0.2	1.0	1.5	972	86	145	4.9

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.