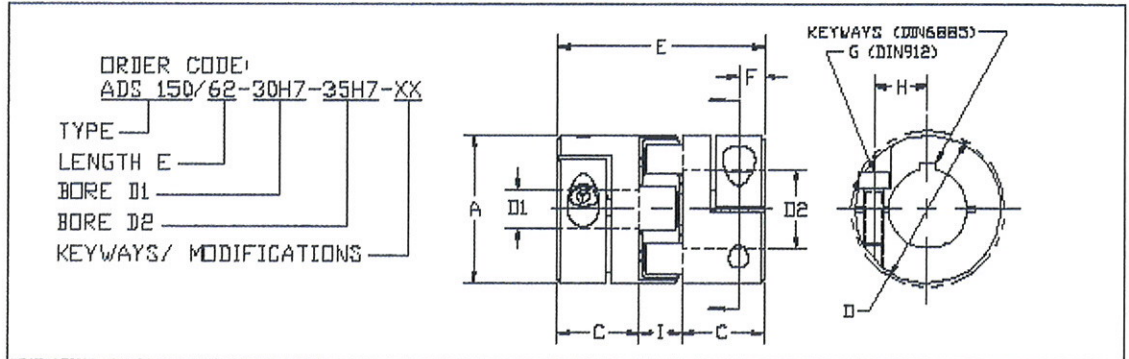


ADS SERIES

ZERO BACKLASH SERVO INSERT COUPLING WITH COLLET CLAMP



DIMENSIONS: (mm)

Type ADS	A	C	D	D1 - D2 ⁶⁾		E (+/- 1)	F	G DIN 912	H	I
				Min H7	Max H7					
ADS 10	30	11	34	6-16		35	5	M 4	10.5	13
ADS 18	40	25/14	45	10-24		66/42	6	M 5	15	16
ADS 60	55	30/20.8 ⁸⁾	57	14-32		78/58 ⁸⁾	10	M 6	20	18
ADS 150	65	35/22 ⁸⁾	70	16-38		90/62 ⁸⁾	11	M 8	24	20
ADS 300	80	45/32 ⁸⁾	89	24-45		114/86 ⁸⁾	18/16 ⁸⁾	M 10	30	24
ADS 500	105	56/34 ⁸⁾	111	32-60/68 ⁹⁾		140/94 ⁸⁾	20/16 ⁹⁾	M 12/10 ⁹⁾	40/40.5 ⁹⁾	28

- 1) All hubs made of Al 6061 T6
- 2) Operating temperature range for -30 ° to 110 ° Centigrade.
- 3) Keyways according to standard DIN 6885 or American on request.
- 4) Clearance of keyway, standard JS 9.
- 5) Insert material made of Polyurethane sh 64 D (green color)
- 6) Transmission of the coupling's rated torque (M) is only guaranteed for bore sizes with the recommended range. Other special bores can, however, be supplied by the manufacturer. All hub bores are supplied to fit standard H7 tolerance.
- 7) All couplings on request balanced up to 20,000 rpm for spindles according to ISO 1940G6.3
- 8) ADS 60, 150, 300 and 500 available in shorter versions without cross clamping slit bores.
- 9) Bigger bore possible with changed screw position.

TECHNICAL RATINGS:

Type ADS	Insert Code ¹⁾	Rated Torque (M)	Torsional Stiffness		Lateral Spring Stiffness		Misalignment (mm)		Misalignment (degrees ^o)	Moment of Inertia	Torque to Tighten Clamps	Mass m (g)
			(Nm)	(Nm/rad)	(N/mm)	Lateral	Axial	Angular	10 ³ J (gcm ²)	(Nm)		
ADS 10	64 D	16	702	856	0.06	1.0	0.9	0.1	5	40		
ADS 18	64 D	21	3720	2930	0.06	1.2	0.9	0.4/0.3	10	140/89		
ADS 60	64 D	75	8934	3696	0.10	1.4	0.9	1.1/0.8	18	300/223		
ADS 150	64 D	200	13050	4348	0.11	1.5	0.9	4.2/2.9	43	550/379		
ADS 300	64 D	405	31462	6474	0.12	1.8	0.9	18.5/13.9	84	1000/754		
ADS 500	64 D	655	90500	8274	0.16	2.1	0.9	77.0/52.4	120/100	2533/1722		

- 1) Red 98A Insert with lower torque rating available on your request. The dimensioning of the couplings is always based on the peak torque (Mmax) 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.