

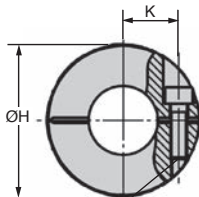


AKN GERWAH

Couplings for servo-motors

Torque: 18 to 150Nm

- Backlash and maintenance free
- High torsional stiffness
- Low moment of inertia
- Shaft/bore link without backlash
- Recommended assembly tolerances H7/g6
- Working temperature -30°C to +100°C
- Materials:
 - Hub: aluminium for sizes 18-60
 - steel for sizes 80-500
 - Bellows: stainless steel
- Please specify bore size on order (between min and max Ø)



G ISO 4762(DIN 912)

*Undercut diameter



clamp fixing

Torque calculation

- Use the formula

$T_{KN} > K \times T_{AS} \times J_{mach} / (U_{mot} + J_{mach})$ in Nm

With following safety coefficient:

K = 1.5 for regular motion

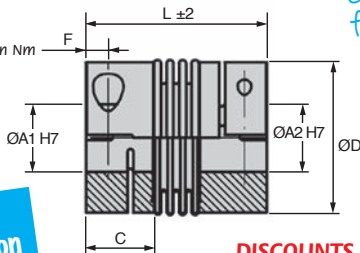
K = 2 for irregular motion

K = 2.5 - 4 for jerky motion

Jx = moment of inertia

(machine + motor)

T_{AS} Required torque



High Precision

DISCOUNTS

Qty	1+	3+	6+
Disc.	List	-8%	On request

Part number	Max. speed (rpm)	radial (mm)	Misalignment axial (mm)	angular	Nominal torque (Nm)	Torsional stiffness (10 ³ Nm/Rad)	Moment of inertia (10 ³ kgm ²)	Tightening (Nm)	Weight (kg)
AKN18-63	12 700	0,2	0,5	1,5°	18	8	0,05	6	0,16
AKN30-65	10 200	0,1	0,4	1,0°	30	35	0,11	12	0,26
AKN60-78	8 600	0,1	0,4	1,0°	60	75	0,29	30	0,44
AKN80-91	6 800	0,2	0,4	1,0°	80	130	0,87	60	0,98
AKN150-91	6 800	0,2	0,4	1,0°	150	150	0,87	85	0,98

Part number	ØA mini.	ØA maxi.	L	ØD	C	F	G	K	ØH	Pric each	1 to 2 No keyway	With keyway
AKN18-63	10	25	63	45	20	6	M5	18	47	214,12 €	247,93 €	€
AKN30-65	10	25	65	55	25	8	M6	20	56	266,05 €	299,87 €	€
AKN60-78	14	32	78	64	29	10	M8	24	67	300,66 €	334,47 €	€
AKN80-91	20	40	91	80	34	12	M10	28	84	341,77 €	375,58 €	€
AKN150-91	20	40	91	80	34	12	M10	28	84	408,44 €	442,66 €	€

Dimensions in mm

Our other products



CDC

Conical compression spring, Conical



F7-P-AM

Multifunction display, Magnetic band



WW20

Drylin® W slide, slide assembly



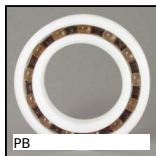
BOX-NINA

Self locking nut - DIN985, Box set of steel nuts



BGC

Oldham coupling, Clamp



PB

Plastic deep groove ball bearing, Plastic - glass balls material



PDD

Actuating plunger, Non-rotating detector shaft



RTL450

Self-centering locking assembly, High torque



SH0

Parallel axis helical gear, Machined plastic (delrin)



AT5P_AT10P

Connecting plate for AT type timing belts, AT10



PLA

Flat magnet, Flat magnet



BABFCFO

Ball pin socket, Mounting collar with a oval flange

Complementary products