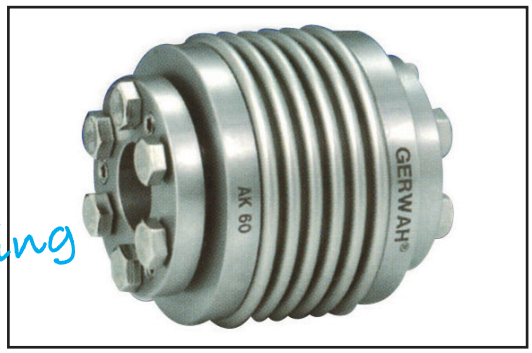
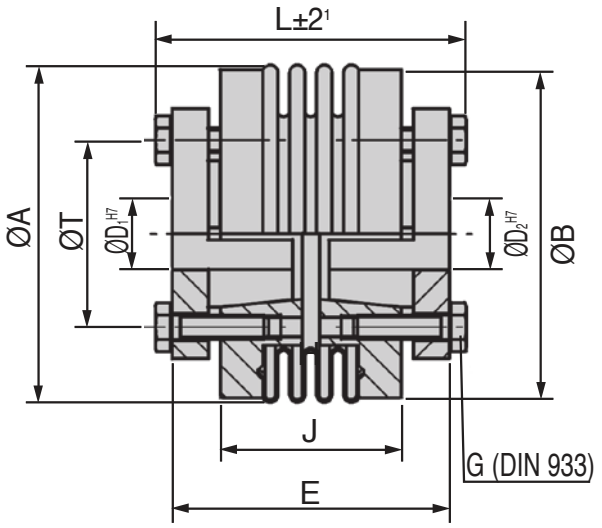
Couplings for servo-motors

Torque: 30 to 500Nm

GERWAH AK

- **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: steel
  - Bellows: stainless steel
- **Please specify bore size on order (between min and max Ø)**





Torque calculation

- Use the formula

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

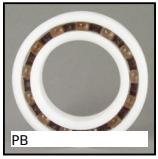
Qty.	1+	3+	6+
Disc.	List	-8%	On request

Part number	Nominal torque (Nm)	Stiffness torsional (10^3 Nm/Rad)	Stiffness radial (N/mm)	Stiffness axial (N/mm)	Moment of inertia (10^{-3}kgm²)	Tightening torque (Nm)	Weight (kg)	Misalignement radial (mm)	Misalignement axial (mm)	Misalignement angular (°)	Max. speed (t/min)
AK30-60	30	25	220	30	0,15	3,0	0,4	0,2	0,5	1,5	11 000
AK60-73	60	50	330	55	0,24	8,5	0,8	0,2	0,5	1,5	9 100
AK80-91	80	75	400	55	0,65	10,0	1,3	0,2	0,5	1,5	7 000
AK150-92	150	100	600	85	0,65	14,0	1,3	0,2	0,5	1,5	7 000
AK200-93	200	120	450	85	0,87	14,0	1,6	0,2	0,5	1,5	6 700
AK300-104	300	280	1500	150	2,33	18,0	3,4	0,2	0,5	1,5	5 200
AK500-113	500	310	1000	85	3,61	26,0	4,7	0,2	1,0	1,5	4 600

Part number	ØA (mm)	ØB (mm)	L	D_1^{H7}/D_2^{H7} min.	D_1^{H7}/D_2^{H7} max.	E	J	ØT	G	Price each 1 to 2
AK30-60	56	55	60	12	20	53	38	31	6 x M4	239,36 €
AK60-73	66	64	73	15	25	65	46	37	6 x M6	261,10 €
AK80-91	82	80	91	20	35	83	61	51	6 x M6	286,83 €
AK150-92	82	80	92	20	35	84	61	51	6 x M6	334,30 €
AK200-93	90	90	93	20	40	85	63	56	6 x M6	391,53 €
AK300-104	110	109	104	25	50	93	67	75	6 x M8	453,01 €
AK500-113	122	120	113	35	55	105	72	80	6 x M8	589,52 €

Dimensions in mm

Altri prodotti...


PB

Cuscinetto in plastica, Plastica - materiale sfere : vetro


MAX26

Motoriduttore DC 12V e 24V DC, da 0,075 a 0,6Nm


DOMI120

Accessori di collegamento, Piastra


LFM

Vite trapezoidale acciaio, Acciaio semiduro - 1 filetto


MSP23

Inserto con piastrina a incollare Masterplate®, Cilindrico Ø23 con...


CABtool

Attrezzi per cavi, Attrezzi per taglio


GD01

Giunto cardanico doppio, Sollecitazioni normale


UGH50

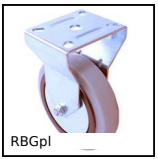
Unità di guida tipo H, Per martinetti Ø 50


CHAPAM

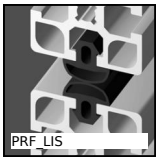
Cerniera a testa piatta a saldare, Acciaio


CHA225

Cerniera ad avvitare, 225 gradi


RBGpl

Ruota fissa con piastra, Acciaio -


PRF_LIS

Guarnizione di tenuta, Black NBR

Prodotti correlati