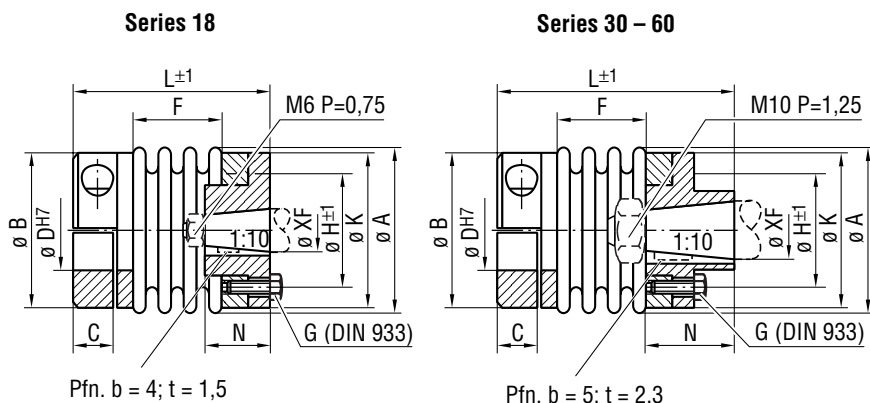


Metal bellows couplings

Series AKD-Fanuc



Technical Data – Series AKD-Fanuc

TYPE		18/54 ... XF11	18/62 ... XF11	30/70 ... XF16	30/78 ... XF16	60/78 ... XF16	60/89 ... XF16
Ø A		45	45	56	56	66	66
Ø B		45	45	56	56	66	66
C	from/to	12	12	15	15	19	19
Ø D ^{H7}	2) from/to	10 – 20	10 – 20	14 – 25	14 – 25	14 – 28	14 – 28
L		54	62	70	78	78	89
F		24	32	16	24	20	31
N		16	16	29	29	29	29
Ø H		31	31	37	37	46	46
G (DIN 912)		M5	M5	M6	M6	M8	M8
Ø K		45	45	52	52	63	63
XF		11	11	16	16	16	16
Nominal moment (Nm)	T _{KN}	18	18	30	30	60	60
Moment of inertia (kg cm ²)	J	0.75	0.75	2.35	2.35	4.85	4.85
Weight (Kg)	m	0.25	0.25	0.5	0.5	0.75	0.75
Torsional stiffness (Nm/rad)	C _{T dyn}	7.5 x 10 ³	5.5 x 10 ³	36 x 10 ³	26 x 10 ³	73 x 10 ³	49 x 10 ³
Max. approved misalignment							
- radial (mm)	ΔK _r	0.1	0.2	0.1	0.2	0.1	0.2
- axial (mm)	ΔK _a	0.4	0.5	0.4	0.5	0.4	0.5
- angular (degree)	ΔK _w	1	1.5	1	1.5	1	1.5
Max. rotating speed at V = 30 m/s	(rpm) n _{max}	13900	13900	11000	11000	9000	9000

Selection table – Series AKD-Fanuc

Motortyp 1) Fanuc	Model 2-OS	Model 1-OS	Model OS	Model 5S	Model OL	Model 5L	Model 6L
Coupling type	AKD18/54XF11	AKD18/62XF11	AKD30/78XF16	AKD60/89XF16	AKD30/70XF16	AKD30/70XF16	AKD60/78XF16
Bores D ₁ (mm)	from/to	10 – 20	10 – 20	14 – 25	14 – 28	14 – 25	14 – 25
M _{RAT-T}		1	2	2.9	6	2.9	5.9
M _{MAX-T}		7.8	16	26	53	11.8	24

1) Other motor types on demand.

2) Keyway according to DIN 6885¹⁾ alternatively on demand.

3) Stainless steel version also available.