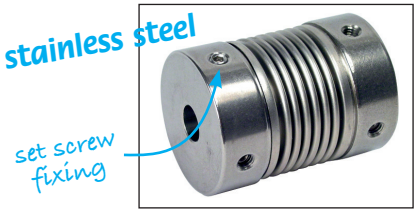
Couplings for servo-motors

Torque: 0.5 to 3Nm

MFBS

- ***High precision***
- *High torsional stiffness*
- *Large misalignment*
- *Identical operation in both clockwise and anti-clockwise directions*
- *Materials:*
  Hub: stainless steel 303
  Bellows: stainless steel 316L
- *Max. working temperature: +150°C*
- *Bellows and hub bonded together*

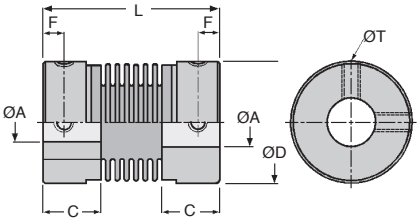


Uses

- *Encoders, automated and robotic systems*
- *Stepper motors that cannot detect start position*

Options

- *We are unable to modify these parts*



STANDARD BORES IN STOCK

Part number	Misalignment Radial (mm)	Axial (mm)	Angular	Torque Nominal (Nm)	Max. (Nm)
MFBS-12	0,10	+0,40 -1,20	1,5°	0,5	1
MFBS-16	0,10	+0,40 -1,20	1,5°	1,0	2
MFBS-20	0,15	+0,60 -1,80	2,0°	1,5	3
MFBS-25	0,15	+0,60 -1,80	2,0°	2,0	4
MFBS-32	0,20	+0,80 -2,50	2,0°	3,0	6

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	Standard bore ØA	Max. bore ØA	ØD	L	C	ØT	F	Moment of inertia (kg·m²)	Torsional stiffness (Nm/Rad)	Weight (g)	Max. rotational speed (rpm)	Price each Standard Bores
MFBS-12	3 x 3	6,35	12	23,5	7,5	M2,5	2,5	$2,1 \times 10^{-7}$	100	9,1	52000	95,04 €
MFBS-16	4 x 4	8	16	26,5	9,0	M3	3,0	$8,0 \times 10^{-7}$	150	20,0	39000	118,27 €
MFBS-20	5 x 5	10	20	32,0	10,0	M3	3,5	$2,3 \times 10^{-6}$	220	37,0	31000	128,08 €
MFBS-25	6 x 6	12	25	36,5	12,0	M4	4,5	$7,0 \times 10^{-6}$	330	73,0	25000	133,43 €
MFBS-32	6 x 6	16	32	42,0	13,5	M4	5,5	$2,1 \times 10^{-5}$	490	130,0	19000	174,41 €

Dimensions in mm

Our other products

T25-6ECO

T type timing pulley, Economy range - T2.5 aluminium

KH

Linear bearing, Light

FBL6000_K1

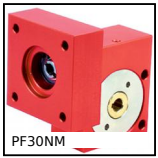
Brush strip per meter PA6 fibres Ø0.2 to Ø0.3, Black polyamide 6 -...

BRI

Panel holder, Panel holder

BPFLss

Pressed stainless steel flange bearing, Stainless steel


PF30NM

Worm and wheel gear reducer, up to 8.8 Nm

SH0

Parallel axis helical gear, Steel 20NCD2

VHTM

Hexagonal headed screw Hygienic Design®, Stainless steel

PRES4HR

Manual workbench press, Force up to

BCM_TP

Modular cylindrical brush, Tampico

CHTRB

Single and dual output gearboxes, Up

WSS

Symmetrical S shaped hook, Steel

Complementary products

MFB

Flexible bellows coupling, Aluminium and Bronze - With set screw

MFBC

Flexible Bellows coupling, Aluminium and Bronze - with clamping jaw