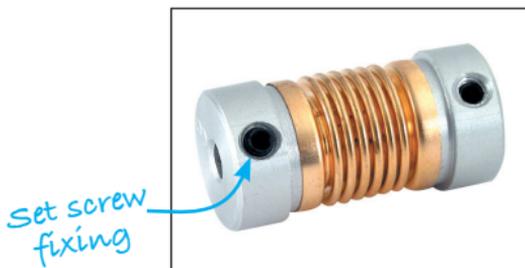


## MFB

## Couplings for servo-motors

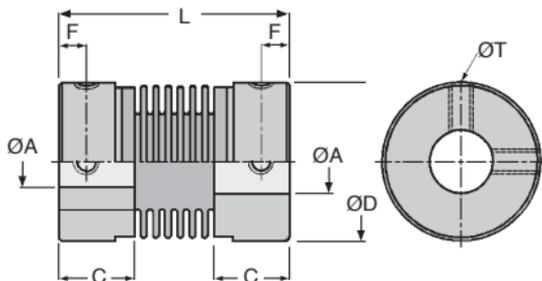
Torque: 0.3 to 2Nm

- High precision
- High torsional stiffness
- Large misalignment
- Identical operation in both clockwise and anti-clockwise directions
- Materials:
  - Hub: Aluminium A-U5 Pb Bi
  - Bellows: Phosphorated bronze
- Max. working temperature: +100°C
- Bellows and hub bonded together



### Uses

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



**STANDARD BORES IN STOCK**

Part number	Misalignment			Torque	
	Radial (mm)	Axial (mm)	Angular	Nominal (Nm)	Max. (Nm)
MFB-12	0,10	+0,40 -1,20	1,5°	0,3	0,6
MFB-16	0,10	+0,40 -1,20	1,5°	0,5	1,0
MFB-20	0,15	+0,60 -1,80	2,0°	0,8	1,6
MFB-25	0,15	+0,60 -1,80	2,0°	1,3	2,6
MFB-32	0,20	+0,80 -2,50	2,0°	2,0	4,0

### DISCOUNTS

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

Part number	Max. bore		ØD	L	C	ØT	F	Moment of inertia (kg·m <sup>2</sup> )	Torsional stiffness (Nm/Rad)	Weight (g)	Max. rotational speed (rpm)	Price each Standard Bores
	Standard bore ØA	ØA										
MFB-12	3 x 3	6,35	12	23,5	7,5	M2,5	2,5	9,0 x 10 <sup>-8</sup>	82	4,1	52000	57,80 €
MFB-16	4 x 4	8	16	26,5	9,0	M3	3,0	3,5 x 10 <sup>-7</sup>	110	9,0	39000	59,84 €
MFB-20	5 x 5	10	20	33,0	10,0	M3	3,5	9,9 x 10 <sup>-7</sup>	180	16,0	31000	59,28 €
MFB-25	6 x 6	12	25	36,5	12,0	M4	4,5	3,1 x 10 <sup>-6</sup>	240	32,0	25000	76,23 €
MFB-32	6 x 6	16	32	42,0	13,5	M4	5,5	9,2 x 10 <sup>-6</sup>	330	57,0	19000	87,68 €

Dimensions in mm

## Couplings for servo-motors

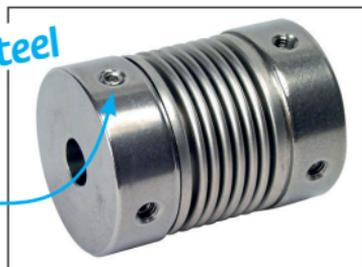
# MFBS

### Torque: 0.5 to 3Nm

- 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

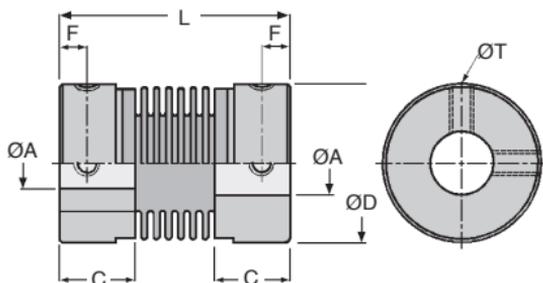
stainless steel

set screw fixing



### Uses

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



**STANDARD BORES IN STOCK**

Part number	Misalignment			Torque	
	Radial (mm)	Axial (mm)	Angular	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·m <sup>2</sup> )	Torsional stiffness (Nm/Rad)	Weight (g)	Max. rotational speed (rpm)	Price each Standard Bore
MFBS-12	3 x 3	6,35	12	23,5	7,5	M2,5	2,5	2,1 x 10 <sup>-7</sup>	100	9,1	52000	99,86 €
MFBS-16	4 x 4	8	16	26,5	9,0	M3	3,0	8,0 x 10 <sup>-7</sup>	150	20,0	39000	124,27 €
MFBS-20	5 x 5	10	20	32,0	10,0	M3	3,5	2,3 x 10 <sup>-6</sup>	220	37,0	31000	134,57 €
MFBS-25	6 x 6	12	25	36,5	12,0	M4	4,5	7,0 x 10 <sup>-6</sup>	330	73,0	25000	140,19 €
MFBS-32	6 x 6	16	32	42,0	13,5	M4	5,5	2,1 x 10 <sup>-5</sup>	490	130,0	19000	183,25 €

Dimensions in mm

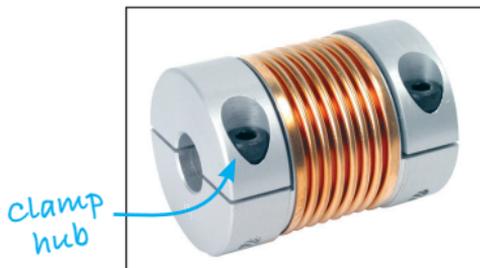


## MFBC

## Couplings for servo-motors

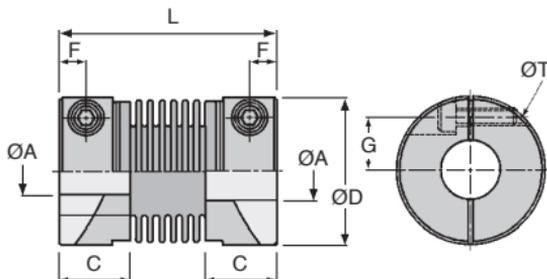
Torque: 0.3 to 2Nm

- High precision
- High torsional stiffness
- Large misalignment
- Identical operation in both clockwise and anti-clockwise directions
- Materials:
  - Hub: Aluminium A-U5 Pb Bi
  - Bellows: Phosphorated bronze
- Max. working temperature: +100°C
- Bellows and hub bonded together



### Uses

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



Part number	Misalignment			Torque	
	Radial (mm)	Axial (mm)	Angular	Nominal (Nm)	Max. (Nm)
MFBC-12C	0,10	+0,40 -1,20	1,5°	0,3	0,6
MFBC-16C	0,10	+0,40 -1,20	1,5°	0,5	1,0
MFBC-20C	0,15	+0,60 -1,80	2,0°	0,8	1,6
MFBC-25C	0,15	+0,60 -1,80	2,0°	1,3	2,6
MFBC-32C	0,20	+0,80 -2,50	2,0°	2,0	4,0

### DISCOUNTS

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

Part number	Standard bore	Max. bore ØA	ØD	L	C	ØT	F	G	Moment of inertia (kg·m <sup>2</sup> )	Torsional Stiffness (Nm/Rad)	Max. rotational speed (rpm)	Stock*	Price each Standard Bores
												Standard bores	
MFBC-12C	4 x 4	5,00	12	23,5	7,5	M2	2,25	4,0	9,7 x 10 <sup>-8</sup>	82	52 000	✓	76,13 €
MFBC-16C	5 x 5	6,35	16	26,5	9,0	M2,5	3,00	5,0	3,7 x 10 <sup>-7</sup>	110	39 000	✓	76,20 €
MFBC-20C	6 x 6	8,00	20	33,0	10,0	M2,5	3,50	6,5	1,0 x 10 <sup>-7</sup>	180	31 000	✓	76,33 €
MFBC-25C	8 x 8	10,0	25	36,5	12,0	M3	4,50	9,0	3,1 x 10 <sup>-6</sup>	240	25 000	✓	107,06 €
MFBC-32C	8 x 8	14,0	32	42,0	13,5	M4	5,00	11,0	9,6 x 10 <sup>-6</sup>	330	19 000	✓	102,75 €

\*Depending on availability - Dimensions in mm

## Couplings for servo-motors

# MFBS<sub>c</sub>

### Torque: 0.5 to 3Nm

- 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

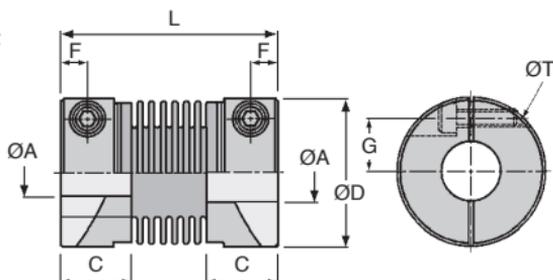
stainless steel

clamp hub



### Uses

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



Part number	Misalignment			Torque	
	Radial (mm)	Axial (mm)	Angular	Nominal (Nm)	Max. (Nm)
MFBS-12C	0,10	+0,40 -1,20	1,5°	0,5	1
MFBS-16C	0,10	+0,40 -1,20	1,5°	1,0	2
MFBS-20C	0,15	+0,60 -1,80	2,0°	1,5	3
MFBS-25C	0,15	+0,60 -1,80	2,0°	2,0	4
MFBS-32C	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	G	Moment of inertia (kg·m <sup>2</sup> )	Torsional stiffness (Nm/Rad)	Max. rotational speed (rpm)	Stock*	Price each Standard Bores
												Standard bores	
MFBS-12C	4 x 4	5,00	12	23,5	7,5	M2	2,25	4,0	2,1 x 10 <sup>-7</sup>	100	52 000	-	186,71 €
MFBS-16C	5 x 5	6,35	16	26,5	9,0	M2,5	3,00	5,0	8,1 x 10 <sup>-7</sup>	150	39 000	-	187,40 €
MFBS-20C	6 x 6	8,00	20	32,0	10,0	M2,5	3,50	6,5	2,3 x 10 <sup>-6</sup>	220	31 000	✓	220,16 €
MFBS-25C	8 x 8	10,0	25	36,5	12,0	M3	4,50	9,0	6,9 x 10 <sup>-6</sup>	330	25 000	-	239,58 €
MFBS-32C	8 x 8	14,0	32	42,0	13,5	M4	5,00	11,0	2,1 x 10 <sup>-5</sup>	490	19 000	✓	272,57 €

\*Depending on availability - Dimensions in mm