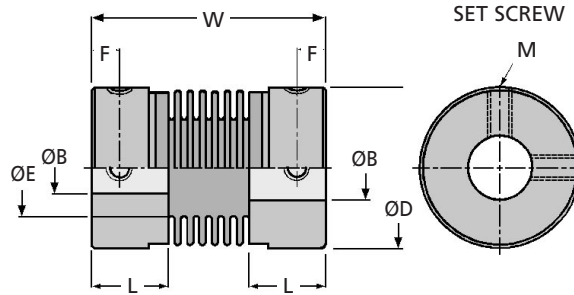


**MFB
MFBS**

**CAD
Drawings
Available**

COUPLINGS

Bellows Flexible Coupling - Metric Bores Backlash Free *Set Screw Fixing*



PART NUMBER	Max Rpm	Mass g	Moment of Inertia kg·m ²	Static Torsional Stiffness Nm/rad	Max. Parallel Offset	Max. Working Angle	Max. Axial Play
BRONZE BELLOWS							
MFB-12	32000	4.1	9 x 10 ⁻⁸	82	0.10	1.5°	+0.40 -1.20
MFB-16	24000	9.0	3.5 x 10 ⁻⁷	110	0.10	1.5°	+0.40 -1.20
MFB-20	19000	16.0	9.9 x 10 ⁻⁷	180	0.10	2.0°	+0.60 -1.80
MFB-25	15000	32.0	3.1 x 10 ⁻⁶	240	0.15	2.0°	+0.60 -1.80
MFB-32	12000	57.0	9.2 x 10 ⁻⁶	330	0.20	2.0°	+0.80 -2.50
STAINLESS BELLOWS							
MFBS-12	32000	9.1	2.1 x 10 ⁻⁷	100	0.10	1.5°	+0.40 -1.20
MFBS-16	24000	20.0	8.0 x 10 ⁻⁷	150	0.10	1.5°	+0.40 -1.20
MFBS-20	19000	37.0	2.3 x 10 ⁻⁶	220	0.15	2.0°	+0.60 -1.80
MFBS-25	15000	73.0	7.0 x 10 ⁻⁶	330	0.15	2.0°	+0.60 -1.80
MFBS-32	12000	130.0	2.1 x 10 ⁻⁵	490	0.20	2.0°	+0.80 -2.50

PART NUMBER	ØD	Bore Both Ends ØB	Max. Bore ØB	ØE	F	L	W	M	Rated Torque Nm	Max. Torque Nm
BRONZE BELLOWS										
MFB-12	12	3.00	6.35	7.0	2.5	7.50	23.50	M2.5	0.3	0.6
MFB-16	16	4.00	8.00	9.5	3.0	9.00	26.50	M3	0.5	1.0
MFB-20	20	5.00	10.00	12.5	3.5	10.00	32.00	M3	0.8	1.6
MFB-25	25	6.00	12.00	15.0	4.5	12.00	36.50	M4	1.3	2.6
MFB-32	32	8.00	16.00	21.0	5.5	13.50	42.00	M4	2.0	4.0
STAINLESS BELLOWS										
MFBS-12	12	3.00	6.35	7.0	2.5	7.50	23.50	M2.5	0.5	1.0
MFBS-16	16	4.00	8.00	9.5	3.0	9.00	26.50	M3	1.0	2.0
MFBS-20	20	5.00	10.00	12.5	3.5	10.00	32.00	M3	1.5	3.0
MFBS-25	25	6.00	12.00	15.0	4.5	12.00	36.50	M4	2.0	4.0
MFBS-32	32	8.00	16.00	21.0	5.5	13.50	42.00	M4	3.0	6.0

Material

MFB Hub: Aluminium (A2011) MFBS Hub: Stainless Steel (SUS316L)

MFB Bellows: Phosphor Bronze MFBS Bellows: Stainless Steel (SUS303L)

Performance

Maximum Temperature MFB: +100°C Approx. Maximum Temperature MFBS: +150°C Approx.

Other Info.

Supporting part for stepping motor enabling detection of point of origin. Zero backlash. High torsional stiffness and response.

Complete absorption of eccentricity, angularity and end play by spring action of bellows configuration.

Uniform rotational speed, even under mis-alignment.

Identical clockwise and anti-clockwise rotational characteristics.

Maintenance free, oil and chemical resistant.

Boring out service available at extra cost. Add bore size required to end of part number eg. MFB-12-5/6 (bored Ø5mm & Ø6mm)

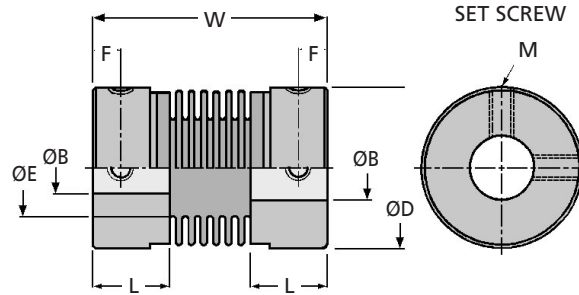


COUPLINGS

Bellows Flexible Coupling - Inch Bores Backlash Free *Set Screw Fixing*

CAD
Drawings
Available

MFBX
MFBSX



PART NUMBER	Max Rpm	Mass g	Moment of Inertia kg·m ²	Static Torsional Stiffness Nm/rad	Max. Parallel Offset	Max. Working Angle	Max. Axial Play
BRONZE BELLOWS							
MFBX-12	32000	4.1	9 x 10 ⁻⁸	82	0.10	1.5°	+0.40 -1.20
MFBX-16	24000	9.0	3.5 x 10 ⁻⁷	110	0.10	1.5°	+0.40 -1.20
MFBX-20	19000	16.0	9.9 x 10 ⁻⁷	180	0.10	2.0°	+0.60 -1.80
MFBX-25	15000	32.0	3.1 x 10 ⁻⁶	240	0.15	2.0°	+0.60 -1.80
MFBX-32	12000	57.0	9.2 x 10 ⁻⁶	330	0.20	2.0°	+0.80 -2.50
STAINLESS BELLOWS							
MFBSX-12	32000	9.1	2.1 x 10 ⁻⁷	100	0.10	1.5°	+0.40 -1.20
MFBSX-16	24000	20.0	8.0 x 10 ⁻⁷	150	0.10	1.5°	+0.40 -1.20
MFBSX-20	19000	37.0	2.3 x 10 ⁻⁶	220	0.15	2.0°	+0.60 -1.80
MFBSX-25	15000	73.0	7.0 x 10 ⁻⁶	330	0.15	2.0°	+0.60 -1.80
MFBSX-32	12000	130.0	2.1 x 10 ⁻⁵	490	0.20	2.0°	+0.80 -2.50

PART NUMBER	ØD	Bore Both Ends ØB	Max. Bore ØB	ØE	F	L	W	M	Rated Torque Nm	Max. Torque Nm
BRONZE BELLOWS										
MFBX-12	12	1/8"	6.35	7.0	2.5	7.50	23.50	M2.5	0.3	0.6
MFBX-16	16	3/16"	8.00	9.5	3.0	9.00	26.50	M3	0.5	1.0
MFBX-20	20	1/4"	10.00	12.5	3.5	10.00	32.00	M3	0.8	1.6
MFBX-25	25	3/8"	12.00	15.0	4.5	12.00	36.50	M4	1.3	2.6
MFBX-32	32	1/2"	16.00	21.0	5.5	13.50	42.00	M4	2.0	4.0
STAINLESS BELLOWS										
MFBSX-12	12	1/8"	6.35	7.0	2.5	7.50	23.50	M2.5	0.5	1.0
MFBSX-16	16	3/16"	8.00	9.5	3.0	9.00	26.50	M3	1.0	2.0
MFBSX-20	20	1/4"	10.00	12.5	3.5	10.00	32.00	M3	1.5	3.0
MFBSX-25	25	3/8"	12.00	15.0	4.5	12.00	36.50	M4	2.0	4.0
MFBSX-32	32	1/2"	16.00	21.0	5.5	13.50	42.00	M4	3.0	6.0

Material

MFBX Hub: Aluminium (A2011) **MFBSX Hub:** Stainless Steel (SUS316L)

MFBX Bellows: Phosphor Bronze **MFBSX Bellows:** Stainless Steel (SUS303L)

Performance

Maximum Temperature MFBX: +100°C Approx. **Maximum Temperature MFBSX:** +150°C Approx.

Other Info.

Supporting part for stepping motor enabling detection of point of origin. Zero backlash. High torsional stiffness and response.

Complete absorption of eccentricity, angularity and end play by spring action of bellows configuration.

Uniform rotational speed, even under mis-alignment.

Identical clockwise and anti-clockwise rotational characteristics.

Maintenance free, oil and chemical resistant.

Boring out service available at extra cost. Add bore size required to end of part number eg. **MFBX-12-5/6** (bored Ø5mm & Ø6mm)



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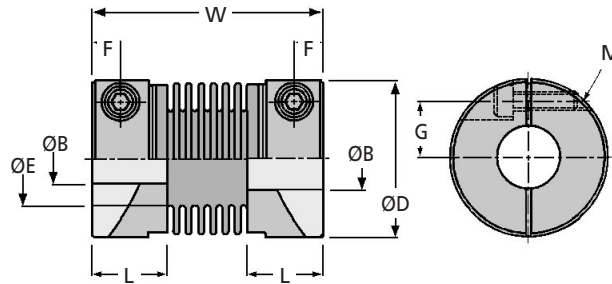
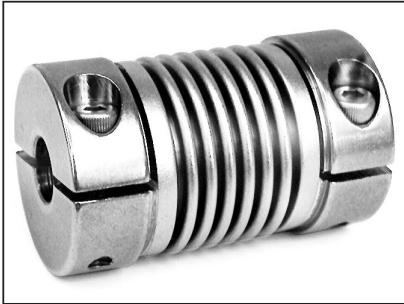
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MFB-C
MFBS-C

CAD
Drawings
Available

COUPLINGS

Bellows Flexible Coupling - Metric Bores Backlash Free *Clamp Fixing*



PART NUMBER	Max Rpm	Mass g	Moment of Inertia kg·m ²	Static Torsional Stiffness Nm/rad	Max. Parallel Offset	Max. Working Angle	Max. Axial Play
BRONZE BELLOWS							
MFB-12C	13000	3.8	9.7 x 10 ⁻⁸	82	0.10	1.5°	+0.40 -1.20
MFB-16C	9500	9.8	3.7 x 10 ⁻⁷	110	0.10	1.5°	+0.40 -1.20
MFB-20C	7700	16.0	1.0 x 10 ⁻⁷	180	0.15	2.0°	+0.60 -1.80
MFB-25C	6100	32.0	3.1 x 10 ⁻⁶	240	0.15	2.0°	+0.60 -1.80
MFB-32C	4800	58.0	9.6 x 10 ⁻⁶	330	0.20	2.0°	+0.80 -2.50
STAINLESS BELLOWS							
MFBS-12C	13000	9.2	2.1 x 10 ⁻⁷	100	0.10	1.5°	+0.40 -1.20
MFBS-16C	9500	22.0	8.1 x 10 ⁻⁷	150	0.10	1.5°	+0.40 -1.20
MFBS-20C	7700	38.0	2.3 x 10 ⁻⁶	220	0.15	2.0°	+0.60 -1.80
MFBS-25C	6100	74.0	6.9 x 10 ⁻⁶	330	0.15	2.0°	+0.60 -1.80
MFBS-32C	4800	130.0	2.1 x 10 ⁻⁵	490	0.20	2.0°	+0.80 -2.50

PART NUMBER	ØD	Bore Both Ends ØB	Max. Bore ØB	ØE	F	G	L	W	M	Rated Torque Nm	Max. Torque Nm
BRONZE BELLOWS											
MFB-12C	12	4.00	5.00	7.0	2.25	4.0	7.50	23.50	M2	0.30	0.6
MFB-16C	16	5.00	6.35	9.5	3.00	5.0	9.00	26.50	M2.5	0.50	1.0
MFB-20C	20	6.00	8.00	12.5	3.50	6.5	10.00	32.00	M2.5	0.80	1.6
MFB-25C	25	8.00	10.00	15.0	4.50	9.0	12.00	36.50	M3	1.30	2.6
MFB-32C	32	10.00	14.00	21.0	5.00	11.0	13.50	42.00	M4	2.00	4.0
STAINLESS BELLOWS											
MFBS-12C	12	4.00	5.00	7.0	2.25	4.0	7.50	23.50	M2	0.50	1.0
MFBS-16C	16	5.00	6.35	9.5	3.00	5.0	9.00	26.50	M2.5	1.00	2.0
MFBS-20C	20	6.00	8.00	12.5	3.50	6.5	10.00	32.00	M2.5	1.50	3.0
MFBS-25C	25	8.00	10.00	15.0	4.50	9.0	12.00	36.50	M3	2.00	4.0
MFBS-32C	32	10.00	14.00	21.0	5.00	11.0	13.50	42.00	M4	3.00	6.0

Material

MFB-C Hub: Aluminium (A2011) **MFBS-C Hub:** Stainless Steel (SUS316L)

MFB-C Bellows: Phosphor Bronze **MFBS-C Bellows:** Stainless Steel (SUS303L)

Performance

Maximum Temperature MFB-C: +100°C Approx. **Maximum Temperature MFBS-C:** +150°C Approx.

Other Info.

Supporting part for stepping motor enabling detection of point of origin. Zero backlash. High torsional stiffness and response.

Complete absorption of eccentricity, angularity and end play by spring action of bellows configuration.

Uniform rotational speed, even under mis-alignment.

Identical clockwise and anti-clockwise rotational characteristics.

Maintenance free, oil and chemical resistant.

Boring out service available at extra cost. Add bore size required to end of part number eg. **MFB-12C-5/6** (bored Ø5mm & Ø6mm)



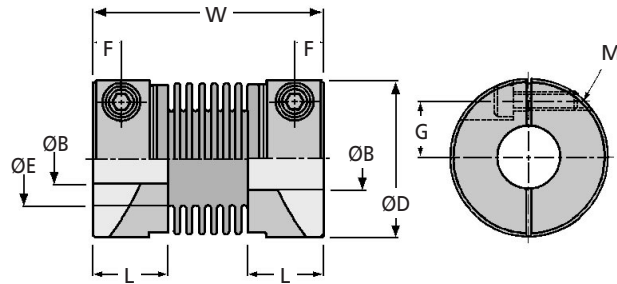
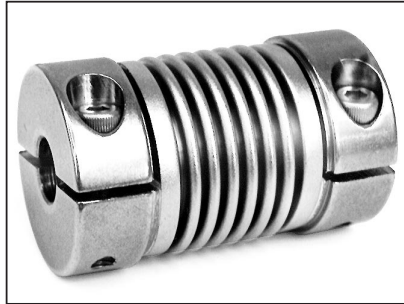
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COUPLINGS

Bellows Flexible Coupling - Inch Bores Backlash Free *Clamp Fixing*



PART NUMBER	Max Rpm	Mass g	Moment of Inertia kg·m ²	Static Torsional Stiffness Nm/rad	Max. Parallel Offset	Max. Working Angle	Max. Axial Play
BRONZE BELLOWS							
MFBX-12C	13000	3.8	9.7 x 10 ⁻⁸	82	0.10	1.5°	+0.40 -1.20
MFBX-16C	9500	9.8	3.7 x 10 ⁻⁷	110	0.10	1.5°	+0.40 -1.20
MFBX-20C	7700	16.0	1.0 x 10 ⁻⁷	180	0.15	2.0°	+0.60 -1.80
MFBX-25C	6100	32.0	3.1 x 10 ⁻⁶	240	0.15	2.0°	+0.60 -1.80
MFBX-32C	4800	58.0	9.6 x 10 ⁻⁶	330	0.20	2.0°	+0.80 -2.50
STAINLESS BELLOWS							
MFBSX-12C	13000	9.2	2.1 x 10 ⁻⁷	100	0.10	1.5°	+0.40 -1.20
MFBSX-16C	9500	22.0	8.1 x 10 ⁻⁷	150	0.10	1.5°	+0.40 -1.20
MFBSX-20C	7700	38.0	2.3 x 10 ⁻⁶	220	0.15	2.0°	+0.60 -1.80
MFBSX-25C	6100	74.0	6.9 x 10 ⁻⁶	330	0.15	2.0°	+0.60 -1.80
MFBSX-32C	4800	130.0	2.1 x 10 ⁻⁵	490	0.20	2.0°	+0.80 -2.50

PART NUMBER	ØD	Bore Both Ends ØB	Max. Bore ØB	ØE	F	G	L	W	M	Rated Torque Nm	Max. Torque Nm
BRONZE BELLOWS											
MFBX-12C	12	4.00	5.00	7.0	2.25	4.0	7.50	23.50	M2	0.30	0.6
MFBX-16C	16	5.00	6.35	9.5	3.00	5.0	9.00	26.50	M2.5	0.50	1.0
MFBX-20C	20	6.00	8.00	12.5	3.50	6.5	10.00	32.00	M2.5	0.80	1.6
MFBX-25C	25	8.00	10.00	15.0	4.50	9.0	12.00	36.50	M3	1.30	2.6
MFBX-32C	32	10.00	14.00	21.0	5.00	11.0	13.50	42.00	M4	2.00	4.0
STAINLESS BELLOWS											
MFBSX-12C	12	4.00	5.00	7.0	2.25	4.0	7.50	23.50	M2	0.50	1.0
MFBSX-16C	16	5.00	6.35	9.5	3.00	5.0	9.00	26.50	M2.5	1.00	2.0
MFBSX-20C	20	6.00	8.00	12.5	3.50	6.5	10.00	32.00	M2.5	1.50	3.0
MFBSX-25C	25	8.00	10.00	15.0	4.50	9.0	12.00	36.50	M3	2.00	4.0
MFBSX-32C	32	10.00	14.00	21.0	5.00	11.0	13.50	42.00	M4	3.00	6.0

Material

MFBX-C Hub: Aluminium (A2011) MFBSX-C Hub: Stainless Steel (SUS316L)

MFBX-C Bellows: Phosphor Bronze MFBSX-C Bellows: Stainless Steel (SUS303L)

Performance

Maximum Temperature MFBX-C: +100°C Approx. Maximum Temperature MFBSX-C: +150°C Approx.

Other Info.

Supporting part for stepping motor enabling detection of point of origin. Zero backlash. High torsional stiffness and response. Complete absorption of eccentricity, angularity and end play by spring action of bellows configuration.

Uniform rotational speed, even under mis-alignment.

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