



BELLOW-FLEX

FLEXIBLE METAL BELLOWS COUPLINGS

- High absorption of misalignments
- Elimination of loads on the shafts due to misalignment
- No wear and tear or fatigue
- No cinematic errors in transmission
- High torsional stiffness



BELLOW-FLEX couplings are based on the use of flexible metal bellows that can transmit the moment of rotation while compensating for errors of alignment without hardly any distortion due to torsional elasticity.

The characteristics of the BELLOWS-FLEX produce speed transmission of great precision, including high torque and speeds, which recommend them for servo-actions, precision machinery,

installation of control and measurement, etc.

The number of convolutions in the bellow has been chosen in the search for a compromise between the transmittable torque and the admissible misalignments.

TECHNICAL SPECIFICATIONS

	Torque max.	Clamping torque max.	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia	Temperature range
	Ncm	Ncm	rpm	Angular degree	Axial mm	Radial mm	Nm/rad	N/mm	gr	gcm ²	°C
BFP 1222	15	50	10000	±2.5	±0.4	±0.2	45	30	8	1.8	-40 to +140
BFP 1520	40	70	10000	±3	±0.4	±0.2	90	40	6	2	-40 to +140
BFP 1525	40	70	10000	±4	±0.5	±0.3	70	15	7	2.3	-40 to +140
BFP 2029	120	150	10000	±4	±0.4	±0.25	150	25	15	8	-40 to +140
BFP 2035	100	150	10000	±4	±0.5	±0.3	150	10	16	9	-40 to +140
BFP 2533	200	80	10000	±8	±2.77	±0.46	210	29	19.5	16.1	-40 to +140
BFA 1622	40	50	10000	±3	±0.4	±0.2	90	40	6	2.1	-40 to +140
BFA 2129	120	100	10000	±4	±0.4	±0.25	150	25	15	9	-40 to +140
BFA 2135	100	100	10000	±4	±0.5	±0.3	140	10	16	9.5	-40 to +140
BFA 2435	100	100	10000	±4	±0.5	±0.3	140	10	18	15.2	-40 to +140
BFA 2537	200	66	10000	±8	±2.77	±0.46	210	29	28.5	25.4	-40 to +140



BELLOW-FLEX

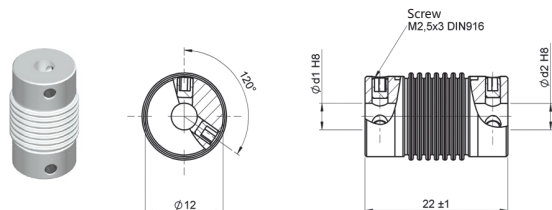
FLEXIBLE METAL BELLOWS COUPLINGS

BFP 1222

Nickel plated bronze

Ordering code example: BFP 1222 06/06

d1/d2	02	03	04	05	06
02	X	X	X	X	X
03		X	X	X	X
04			X	X	X
05				X	X
06					X

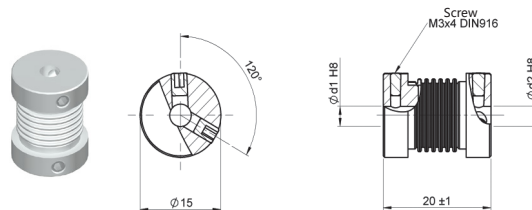


BFP 1520

Aluminium anodised / Stainless steel

Ordering code example: BFP 1520 06/06

d1/d2	02	03	04	05	06	08
02	X	X	X	X	X	X
03		X	X	X	X	X
04			X	X	X	X
05				X	X	X
06					X	X
08						X

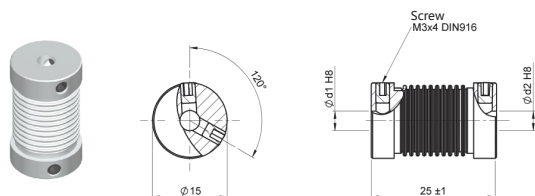


BFP 1525

Aluminium anodised / Stainless steel

Ordering code example: BFP 1525 03/03

d1/d2	02	03	04	05	06	08
02	X	X	X	X	X	X
03		X	X	X	X	X
04			X	X	X	X
05				X	X	X
06					X	X
08						X

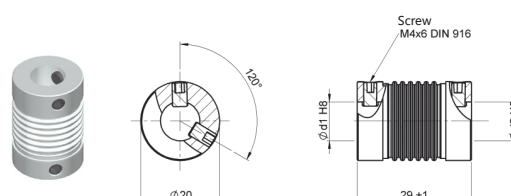


BFP 2029

Aluminium anodised / Stainless steel

Ordering code example: BFP 2029 12/12

d1/d2	04	05	06	6.35	08	9.52	10	12
04	X	X	X	X	X	X	X	X
05		X	X	X	X	X	X	X
06			X	X	X	X	X	X
6.35				X	X	X	X	X
08					X	X	X	X
9.52						X	X	X
10							X	X
12								X

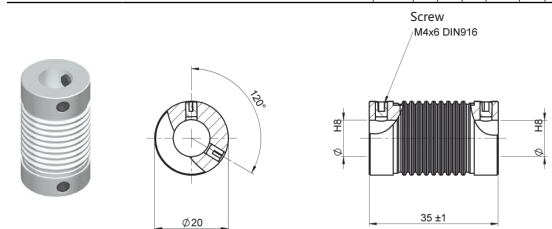


BFP 2035

Aluminium anodised / Stainless steel

Ordering code example: BFP 2035 10/10

d1/d2	04	05	06	6.35	08	9.52	10	12
04	X	X	X	X	X	X	X	X
05		X	X	X	X	X	X	X
06			X	X	X	X	X	X
6.35				X	X	X	X	X
08					X	X	X	X
9.52						X	X	X
10							X	X
12								X

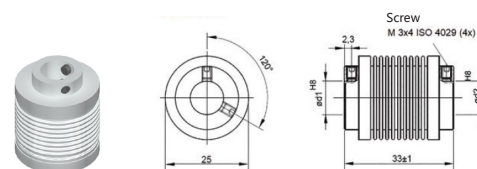


BFP 2533

Aluminium anodised / Stainless steel

Ordering code example: BFP 2533 10/10

d1/d2	06	08	10	12
06	X	X	X	X
08		X	X	X
10			X	X
12				X

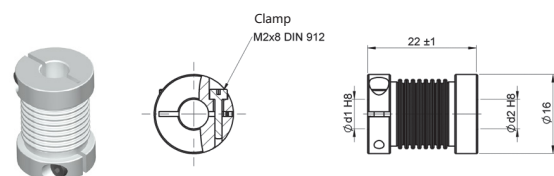


BFA 1622

Aluminium anodised / Stainless steel

Ordering code example: BFA 1622 06/06

d1/d2	02	03	04	05	06	6.35
02	X	X	X	X	X	X
03		X	X	X	X	X
04			X	X	X	X
05				X	X	X
06					X	X
6.35						X

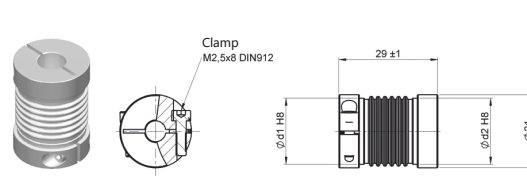


BFA 2129

Aluminium anodised / Stainless steel

Ordering code example: BFA 2129 10/10

d1/d2	04	05	06	6.35	08	9.52	10
04	X	X	X	X	X	X	X
05		X	X	X	X	X	X
06			X	X	X	X	X
6.35				X	X	X	X
08					X	X	X
9.52						X	X
10							X



Printed in bold = Immediate delivery. Check with us the delivery time for the other options.

Other shaft diameters available, upon request.

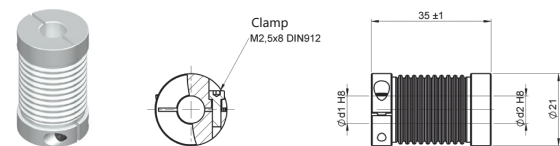
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BFA 2135

Aluminium anodised / Stainless steel
Ordering code example: BFA 2135 06/10

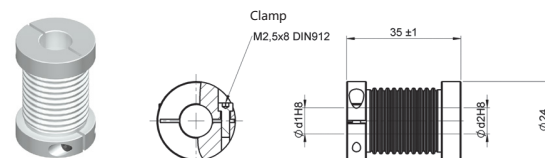
d1/d2	04	05	06	6.35	08	9.52	10
04	X	X	X	X	X	X	X
05		X	X	X	X	X	X
06			X	X	X	X	X
6.35				X	X	X	X
08					X	X	X
9.52						X	X
10							X



BFA 2435

Aluminium anodised / Stainless steel
Ordering code example: BFA 2435 12/12

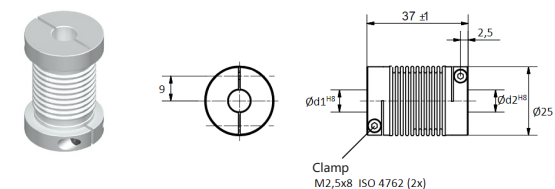
d1/d2	06	08	10	12
06	X	X	X	X
08		X	X	X
10			X	X
12				X



BFA 2537

Aluminium anodised / Stainless steel
Ordering code example: BFA 2537 08/08

d1/d2	06	08	10	12
06	X	X	X	X
08		X	X	X
10			X	X
12				X



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Other shaft diameters available, upon request.