



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	Clamping torque	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia
	<i>Ncm</i>	<i>Ncm</i>	<i>rpm</i>	Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>	<i>Ncm/rad</i>	<i>N/mm</i>	<i>gr</i>	<i>gcm²</i>
BFP 1222	15	50	10000	±2,5	±0,4	±0,2	45	30	8	1,8
BFP 1520	15	15	10000	±3	±0,4	±0,2	90	40	6	2
BFP 1525	40	40	10000	±4	±0,5	±0,3	70	15	7	2,3
BFP 2029	80	150	10000	±4	±0,4	±0,25	150	25	15	8
BFP 2035	80	150	10000	±4	±0,5	±0,3	140	10	16	9
BFP 1223	13	79	10000	±15	±2,29	±0,54	28	4,2	10	1,85
BFP 1730	39	132	10000	±14	±3,09	±0,72	80	5,8	10	3,81
BFP 2533	328	132	10000	±8	±2,77	±0,46	462	38,1	19,5	16,1
BFA 1622	40	50	10000	±3	±0,4	±0,2	90	40	6	2,1
BFA 1627	40	50	10000	±4	±0,5	±0,3	70	15	7	2,6
BFA 2129	80	100	10000	±4	±0,4	±0,25	150	25	15	9
BFA 2135	80	100	10000	±4	±0,5	±0,3	140	10	16	9,5
BFA 2435	80	100	10000	±4	±0,5	±0,3	140	10	18	10,8
BFA 1733	39	35	10000	±14	±3,09	±0,72	80	5,8	11,5	4,89
BFA 2537	328	66	10000	±8	±2,77	±0,46	462	38,1	28,5	25,4



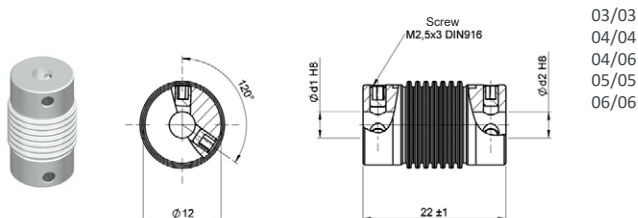
BELLOW-FLEX

FLEXIBLE METAL BELLOWS COUPLINGS

BFP 1222

Ordering code example: BFP 1222 06/06

Ø d1/d2

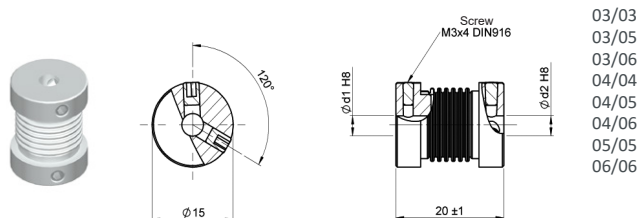


03/03
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04/06
05/05
06/06

BFP 1520

Ordering code example: BFP 1520 04/04

Ø d1/d2

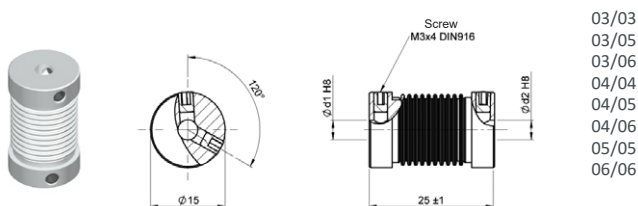


03/03
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04/05
04/06
05/05
06/06

BFP 1525

Ordering code example: BFP 1525 03/03

Ø d1/d2

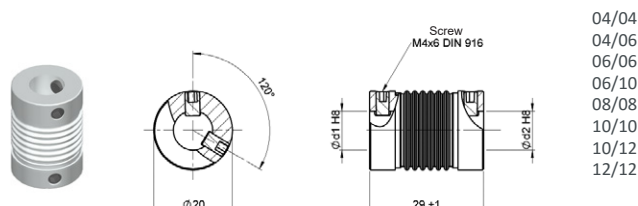


03/03
03/05
03/06
04/04
04/05
04/06
05/05
06/06

BFP 2029

Ordering code example: BFP 2029 06/06

Ø d1/d2

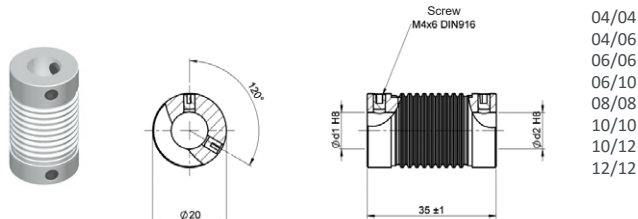


04/04
04/06
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06/10
08/08
10/10
10/12
12/12

BFP 2035

Ordering code example: BFP 2035 10/12

Ø d1/d2

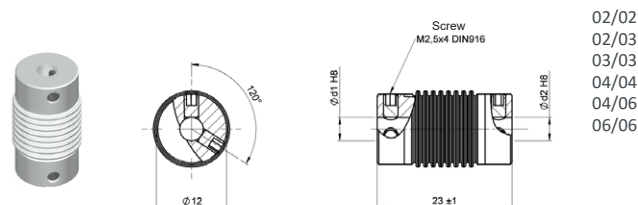


04/04
04/06
06/06
06/10
08/08
10/10
10/12
12/12

BFP 1223

Ordering code example: BFP 1223 04/06

Ø d1/d2

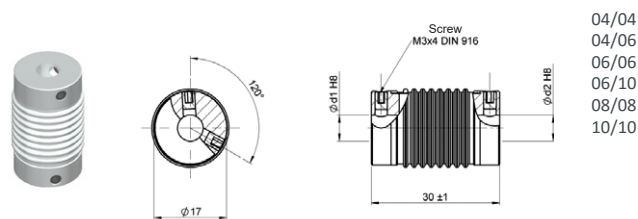


02/02
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03/03
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06/06

BFP 1730

Ordering code example: BFP 1730 06/10

Ø d1/d2

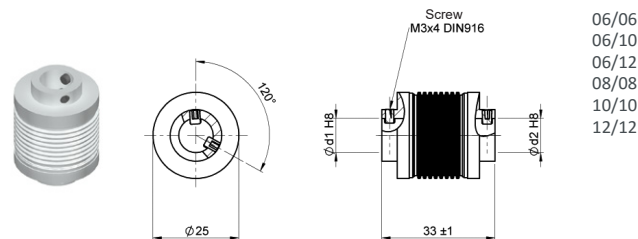


04/04
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06/10
06/10
08/08
10/10

BFP 2533

Ordering code example: BFP 2533 10/10

Ø d1/d2

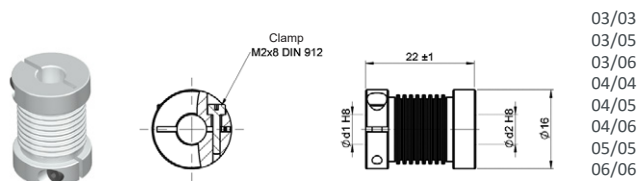


06/06
06/10
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12/12

BFA 1622

Ordering code example: BFA 1622 06/06

Ø d1/d2

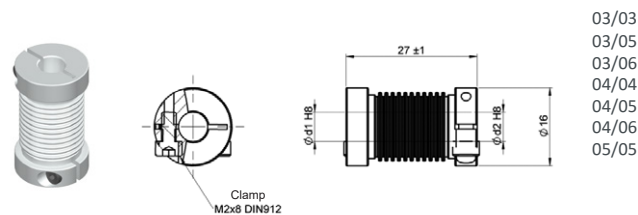


03/03
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04/04
04/05
04/06
05/05
06/06

BFA 1627

Ordering code example: BFA 1627 06/06

Ø d1/d2



03/03
03/05
03/06
04/04
04/05
04/06
05/05

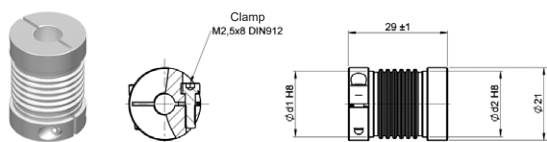
BELLOW-FLEX

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BFA 2129

Ordering code example: BFA 2129 10/10

Ø d1/d2

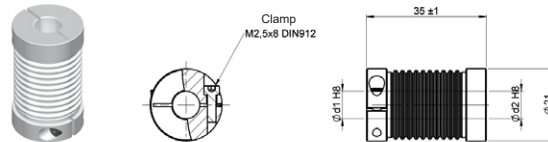


06/06
06/10
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BFA 2135

Ordering code example: BFA 2135 12/12

Ø d1/d2

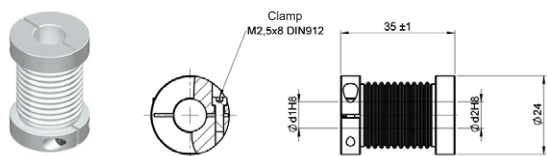


06/06
06/10
08/08
10/10

BFA 2435

Ordering code example: BFA 2435 12/12

Ø d1/d2

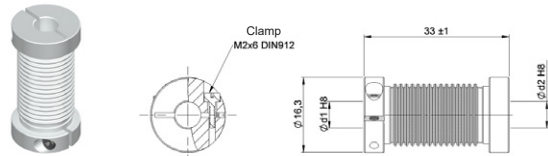


06/12
10/12
12/12

BFA 1733

Ordering code example: BFA 1733 04/06

Ø d1/d2

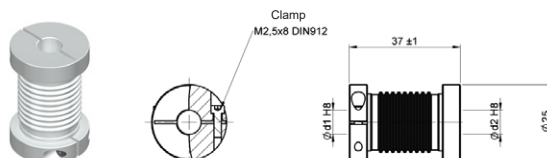


03/03
04/04
04/06
06/06

BFA 2537

Ordering code example: BFA 2537 08/08

Ø d1/d2



06/06
06/10
08/08
10/10
12/12