COUPLING 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

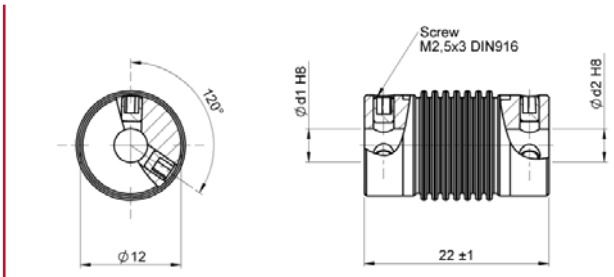
BELLOW-FLEX couplings are based on the use of flexible metal bellows that can transmit the moment of rotation while compensating for errors of alignement without hardly any distortion due to torsional elasticity.
The characteristics of the BELLOWS-FLEX produce speed transmission of great precision, including 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

Type	Torque	Clamping torque	Max.speed	Admissible max.misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia
				Angular	Axial	Radial				
	Ncm	Ncm	r.p.m.	degree	mm	mm	Ncm/rad	N/mm	gr	gcm^2
BFP 1222	15	50	10.000	±2,5	±0,4	±0,2	45	30	8	1,8
BFP 1520	15	15	10.000	±3	±0,4	±0,2	90	40	6	2
BFP 1525	40	40	10.000	±4	±0,5	±0,3	70	15	7	2,3
BFP 2029	80	150	10.000	±4	±0,4	±0,25	150	25	15	8
BFP 2035	80	150	10.000	±4	±0,5	±0,3	140	10	16	9
BFA 1622	40	50	10.000	±3	±0,4	±0,2	90	40	6	2,1
BFA 1627	40	50	10.000	±4	±0,5	±0,3	70	15	7	2,6
BFA 2129	80	100	10.000	±4	±0,4	±0,25	150	25	15	9
BFA 2135	80	100	10.000	±4	±0,5	±0,3	140	10	16	9,5
BFA 2435	80	100	10.000	±4	±0,5	±0,3	140	10	18	10,8
BFP 1223	13	79	10.000	±15	±2,29	±0,54	28	4,2	10	1,85
BFP 1730	39	132	10.000	±14	±3,09	±0,72	80	5,8	10	3,81
BFP 2533	328	132	10.000	±8	±2,77	±0,46	462	38,1	19,5	16,1
BFA 1733	39	35	10.000	±14	±3,09	±0,72	80	5,8	11,5	4,89
BFA 2537	328	66	10.000	±8	±2,77	±0,46	462	38,1	28,5	25,4

TYPE BFP 1222

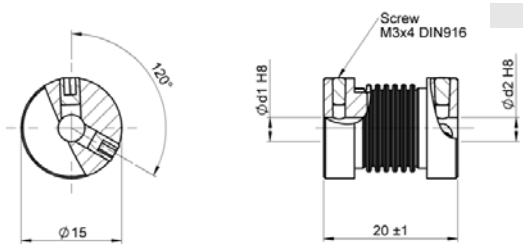
Ø int. d1/d2
03/03
04/04
04/06
05/05
06/06



Ordering code example: BFP 1222 06/06

TYPE BFP 1520

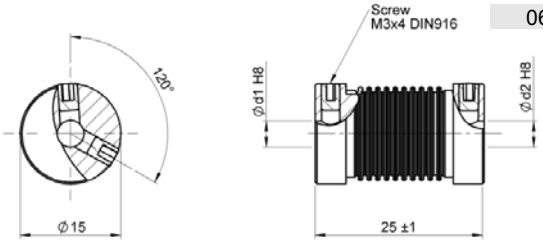
Ø int. d1/d2
03/03
03/05
03/06
04/04
04/05
04/06
05/05
06/06



Ordering code example: BFP 1520 04/04

TYPE BFP 1525

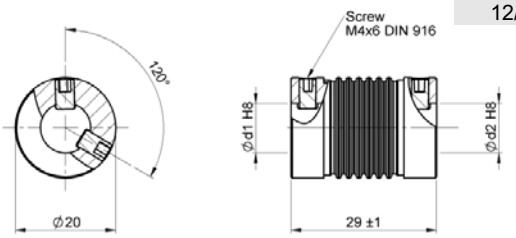
Ø int. d1/d2
03/03
03/05
03/06
04/04
04/05
04/06
05/05
06/06



Ordering code example: BFP 1525 03/03

TYPE BFP 2029

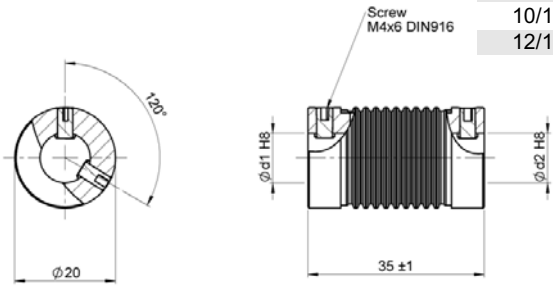
Ø int. d1/d2
04/04
04/06
06/06
06/10
08/08
10/10
10/12
12/12



Ordering code example: BFP 2029 06/06

TYPE BFP 2035

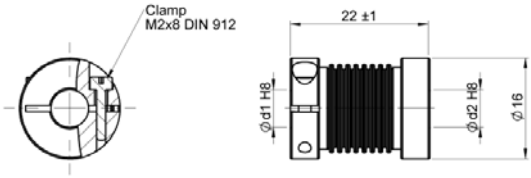
Ø int. d1/d2
04/04
04/06
06/06
06/10
08/08
10/10
10/12
12/12



Ordering code example: BFP 2035 10/12

TYPE BFA 1622

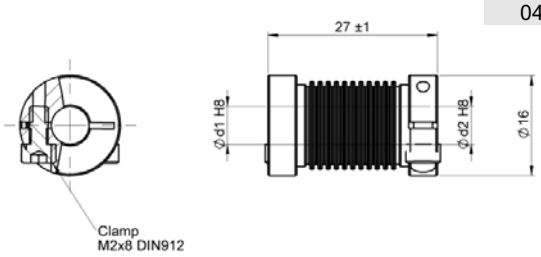
Ø int. d1/d2
03/03
03/05
03/06
04/04
04/05
04/06
05/05
06/06



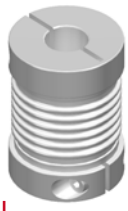
Ordering code example: BFA 1622 06/06

TYPE BFA 1627

Ø int. d1/d2
03/03
03/05
03/06
04/04
04/05
04/06
05/05
04/06

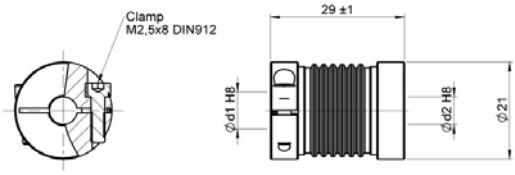


Ordering code example: BFA 1627 06/06



TYPE BFA 2129

Ø int. d1/d2
06/06
06/10
08/08
10/10



Ordering code example: BFA 2129 10/10

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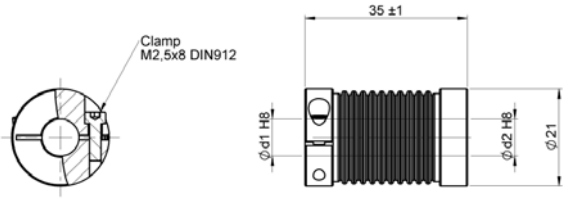
TYPE BFA 2135

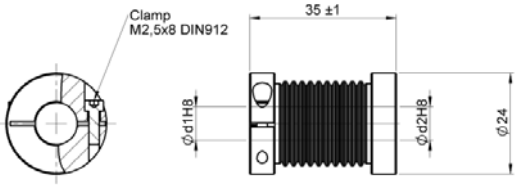
Ø int. d1/d2
06/06
06/10
08/08
10/10



Ordering code example: BFA 2135 12/12

TYPE BFA 2435

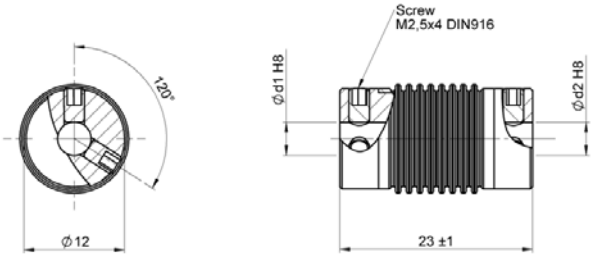
Ø int. d1/d2
06/12
10/12
12/12



Ordering code example: BFA 2435 12/12

TYPE BFP 1223

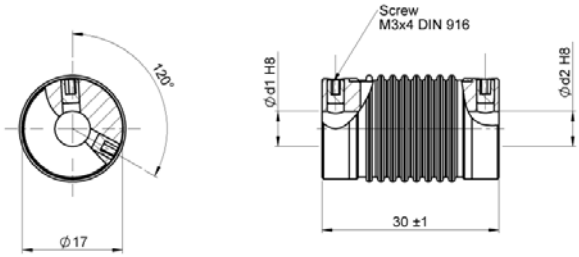
Ø int. d1/d2
02/02
02/03
03/03
04/04
04/06
06/06



Ordering code example: BFP 1223 04/06

TYPE BFP 1730

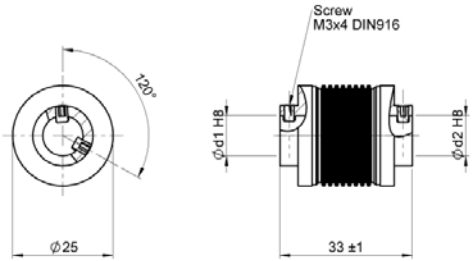
Ø int. d1/d2
04/04
04/06
06/06
06/10
08/08
10/10



Ordering code example: BFP 1730 06/10

TYPE BFP 2533

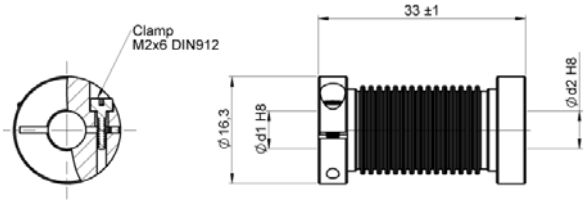
Ø int. d1/d2
06/06
06/10
06/12
08/08
10/10
12/12



Ordering code example: BFP 2533 10/10

TYPE BFA 1733

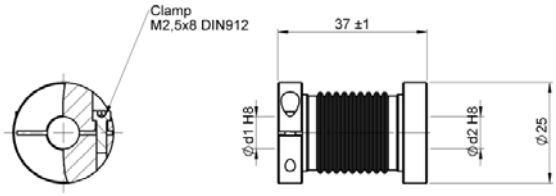
Ø int. d1/d2
03/03
04/04
04/06
06/06



Ordering code example: BFA 1733 04/06

TYPE BFA 2537

Ø int. d1/d2
06/06
06/10
08/08
10/10
12/12



Ejemplo de referencia: BFA 2537 08/08

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