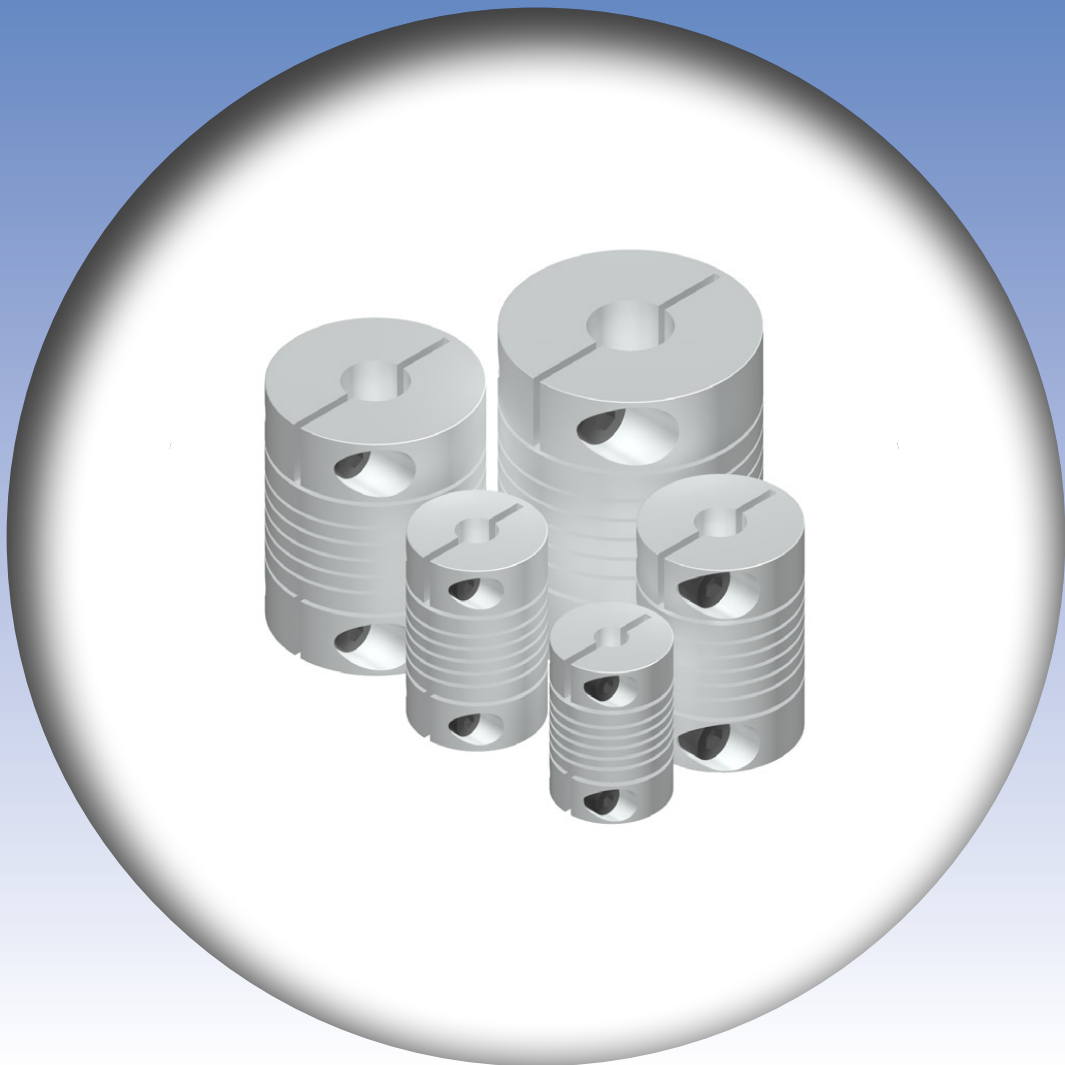


# **hohner**

Elektrotechnik Werke

## Couplings



Your partner for standard and special designs  
– accurate, reliable and quick –



# ALU-FLEX

## ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL

- Without free-plays. They do not produce any speed variations in the transmission
- High torsional rigidity
- Available with setscrews and built-in clamps
- Resistant to oils and chemical products
- Mechanical protection against excessive torque



ALU-FLEX are single flexible couplings in a single piece, machined from hardened aluminium alloy.

They are suitable for transmissions that require moderate torque and when shaft misalignment is not very large. They act as mechanical fuses to excessive torques.

These couplings are suitable for measurement and control systems, together with reduced torque drives. They permit transmission of very precise kinematic movement, without free-

play and with low torsional elasticity. They are recommended for auxiliary machines, tachometric generators potentiometers and encoders etc.

The coupling will absorb errors in alignment and shaft installation.

### TECHNICAL SPECIFICATIONS

	Torque	Clamping torque	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia	
	Ncm	Ncm		rpm	Angular	Axial					Radial
					degree	mm					mm
<b>AFP 6508</b>	2	8	8.000	±2	±0,15	±0,1	0,55	24	0,5	0,02	
<b>AFP 1015</b>	15	15	8.000	±2	±0,2	±0,15	2,2	22	2,4	0,34	
<b>AFP 1218</b>	25	35	8.000	±2,5	±0,25	±0,15	2,8	28	4	0,83	
<b>AFP 1622</b>	40	80	8.000	±3	±0,3	±0,2	5	34	9,5	3,2	
<b>AFP 1922</b>	60	80	8.000	±3,5	±0,4	±0,25	9	40	13	6,7	
<b>AFP 2524</b>	100	120	8.000	±4	±0,5	±0,3	20	60	26	22,2	
<b>AFP 2532</b>	100	120	8.000	±4	±0,5	±0,3	18	50	35	30	
<b>AFP 3030</b>	150	120	8.000	±4	±0,5	±0,3	21	60	45	57	
<b>AFP 3038</b>	150	120	8.000	±4	±0,5	±0,3	21	60	60	76	
<b>AFA 1421</b>	50	50	6.000	±3	±0,25	±0,2	4,5	22	6,5	1,9	
<b>AFA 1625</b>	60	50	6.000	±3,5	±0,3	±0,2	5,5	30	10	3,8	
<b>AFA 1928</b>	80	120	6.000	±4	±0,4	±0,25	8	36	16	8,7	
<b>AFA 2532</b>	100	100	6.000	±4	±0,5	±0,35	16	45	34	29	
<b>IFA 2532</b>	200	150	6.000	±4	±0,5	±0,35	29	150	88	84	
<b>AFA 3038</b>	150	100	6.000	±4	±0,5	±0,35	19	60	58	76	

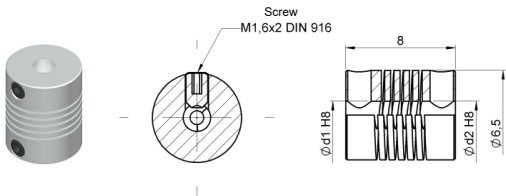
# ALU-FLEX

## ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL

### AFP 6508 - Aluminium

Ordering code example: AFP 6508 02/02

Ø d1/d2

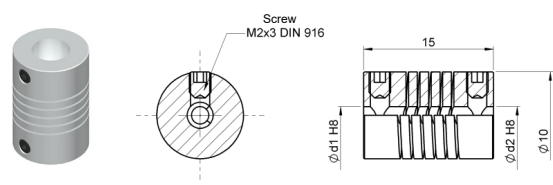


01/01  
01/02  
02/02

### AFP 1015 - Aluminium

Ordering code example: AFP 1015 02/02

Ø d1/d2

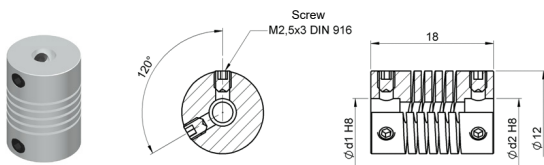


02/02  
02/03  
02/04  
02/05  
03/03  
03/05

### AFP 1218 - Aluminium

Ordering code example: AFP 1218 04/04

Ø d1/d2

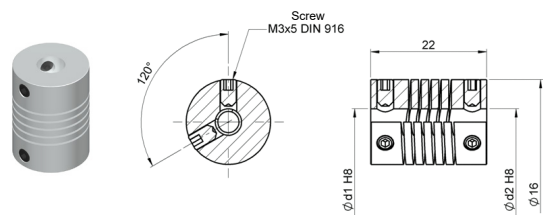


02/04  
03/03  
03/04  
04/04

### AFP 1622 - Aluminium

Ordering code example: AFP 1622 06/06

Ø d1/d2

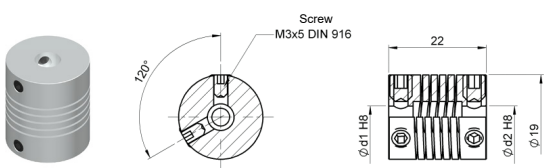


03/03  
04/04  
04/05  
05/05  
06/06

### AFP 1922 - Aluminium

Ordering code example: AFP 1922 06/06

Ø d1/d2

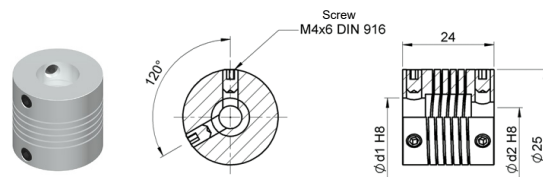


04/06  
05/05  
06/06

### AFP 2524 - Aluminium

Ordering code example: AFP 2524 06/06

Ø d1/d2

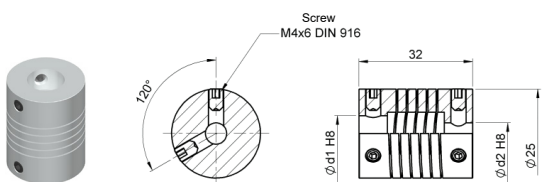


06/06  
06/08  
06/10  
08/08  
10/10  
12/12

### AFP 2532 - Aluminium

Ordering code example: AFP 2532 10/10

Ø d1/d2

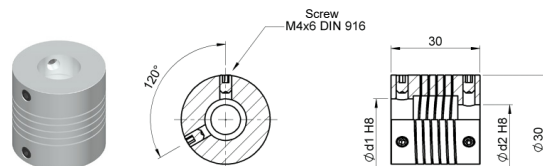


06/06  
06/08  
08/08  
08/10  
10/10  
10/12

### AFP 3030 - Aluminium

Ordering code example: AFP 3030 10/10

Ø d1/d2

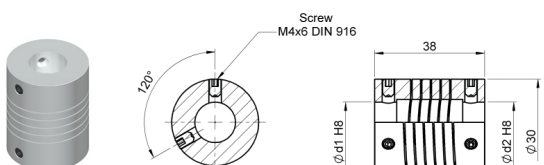


10/10  
10/12  
10/14

### AFP 3038 - Aluminium

Ordering code example: AFP 3038 12/12

Ø d1/d2

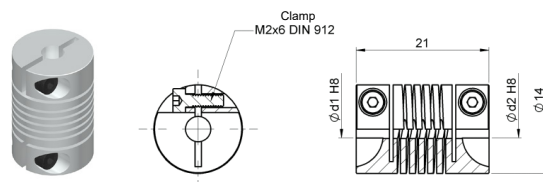


10/10  
12/12  
14/14

### AFA 1421 - Aluminium

Ordering code example: AFA 1421 04/04

Ø d1/d2



02/02  
02/03  
03/03  
03/04  
04/04

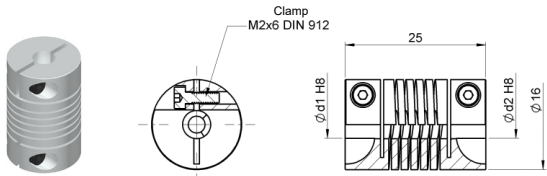
# ALU-FLEX

## ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL

### AFA 1625 - Aluminium

Ordering code example: AFA 1625 05/05

Ø d1/d2

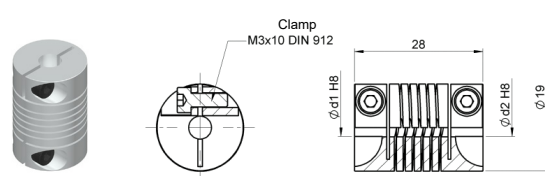


03/03  
03/05  
04/04  
05/05

### AFA 1928 - Aluminium

Ordering code example: AFA 1928 06/06

Ø d1/d2

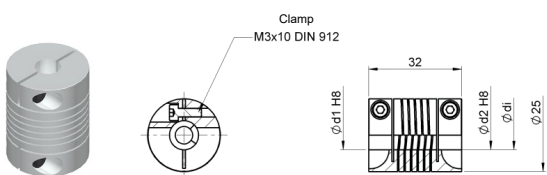


04/04  
04/06  
05/05  
05/06  
06/06

### AFA 2532 - Aluminium

Ordering code example: AFA 2532 10/10

Ø d1/d2

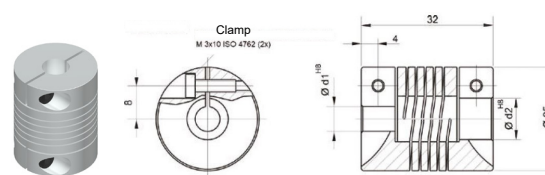


06/06  
06/08  
06/10  
08/08  
08/10  
10/10  
10/12

### IFA 2532 - Stainless Steel

Ordering code example: IFA 2532 10/10

Ø d1/d2

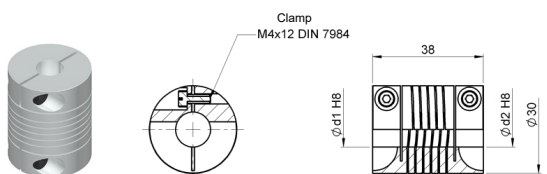


06/06  
06/08  
06/10  
08/08  
08/10  
10/10

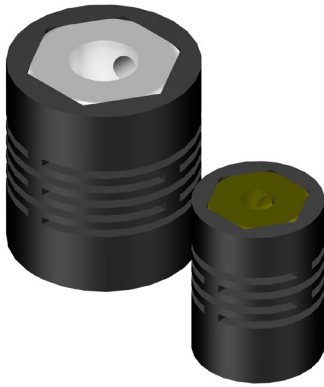
### AFA 3038 - Aluminium

Ordering code example: AFA 3038 12/12

Ø d1/d2



10/10  
12/12  
14/14



# POLY-FLEX

## ACETAL GROOVED FLEXIBLE COUPLINGS

- Absorption of significant angular and radial deviations
- Low inertia
- Free of speed variations in the transmission
- Torsional vibration attenuation
- Electric and thermal insulation between the shafts
- Mechanical protection against excessive torque



POLY-FLEX are flexible couplings manufactured in polyamide and reinforced with fibreglass. Reduced size for applications that do not require high torque and where there is significant shaft misalignment.

The material provides excellent resistance to fatigue, which makes it very suitable for high-speed couplings. It absorbs torsional vibration and insulates the shafts both electrically and thermally, acting, where necessary, as a mechanical fuse.

The tightening of the setscrews has been reinforced by incorporating an aluminium fitting.

These couplings are suitable for measurement systems and machines that do not offer high resistant torque values. They are recommended for tachometric generators potentiometers and encoders, etc. POLY-FLEX couplings can be used in the temperature range of -30° to 85°.

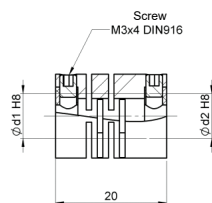
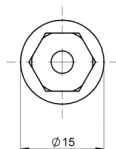
### TECHNICAL SPECIFICATIONS

	Torque <i>Ncm</i>	Clamping torque <i>Ncm</i>	Max. Speed <i>rpm</i>	Admissible max. misalignment			Torsion spring stiffness <i>Nm/rad</i>	Radial spring stiffness <i>N/mm</i>	Weight <i>gr</i>	Inertia <i>gcm<sup>2</sup></i>
				Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>				
<b>PFP 1520</b>	30	70	12000	±2,5	±0,2	±0,3	12	45	6	2
<b>PFP 2224</b>	80	120	10000	±3	±0,2	±0,3	38	115	10	7

#### PFP 1520

Ordering code example: PFP 1520 06/06

Ø d1/d2

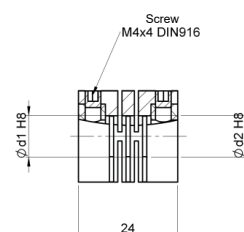
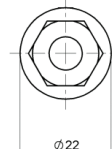


03/03  
03/05  
03/06  
**04/04**  
04/05  
04/06  
05/05  
05/06  
**06/06**  
6.35/6.35

#### PFP 2224

Ordering code example: PFP 2224 08/08

Ø d1/d2



04/04  
06/06  
06/6.35  
06/08  
06/10  
6.35/6.35  
**08/08**  
08/10  
**10/10**  
9.52/9.52

Printed in bold = Immediate delivery. Check with us the delivery time for the other options.  
Other shaft diameter available, upon request.



# SPRING-FLEX

## FLEXIBLE COUPLING SPRINGS

- Absorption of significant misalignment
- Elimination of loads on the shafts due to misalignment
- Free of wear and fatigue
- Vibration absorption
- High torsional elasticity
- Protection against sudden acceleration in transmission



SPRING-FLEX couplings are based on the use of a helicoid spring as an elastic transmission element. These springs are constructed from stainless steel with a plane section. Spring ends are designed to prevent its rotation.

The result is a highly elastic coupling that enables very misaligned shafts to be coupled without the reactions on the bearings being excessively high. The coupling maintains its properties in both

directions of rotations.

They are suitable for measurement systems and machines that do not offer a very high load torque and where the alignment of the shafts is not too tight or can cause variations (heat expansion, vibration and movements etc).

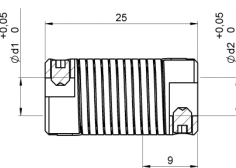
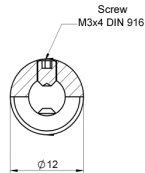
### TECHNICAL SPECIFICATIONS

	Torque <i>Ncm</i>	Clamping torque <i>Ncm</i>	Max. Speed <i>rpm</i>	Admissible max. misalignment			Torsion spring stiffness <i>Nm/rad</i>	Radial spring stiffness <i>N/mm</i>	Weight <i>gr</i>	Inertia <i>gcm<sup>2</sup></i>
				Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>				
<b>SFP 1225</b>	15	70	8000	±5	±0,5	±0,5	40	60	14	2,8
<b>SFP 1635</b>	50	150	3000	±5	±1	±1	50	70	28	10
<b>SFP 2650</b>	150	300	3000	±5	±1	±1,5	40	60	100	95

#### SFP 1225

Ordering code example: SFP 1225 06/06

∅ d1/d2

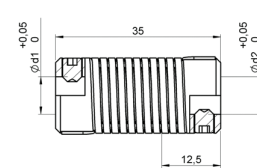
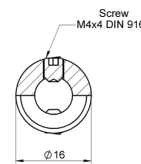


03/03  
03/04  
03/05  
04/04  
04/05  
04/06  
05/05  
**06/06**

#### SFP 1635

Ordering code example: SFP 1635 08/08

∅ d1/d2

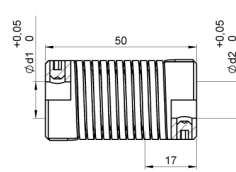
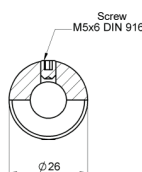


04/04  
04/05  
04/06  
05/05  
05/06  
**06/06**  
06/08  
**08/08**

#### SFP 2650

Ordering code example: SFP 2650 10/12

∅ d1/d2



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

Printed in bold = Immediate delivery. Check with us the delivery time for the other options.  
Other shaft diameter available, upon request.



# 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
	<i>Ncm</i>	<i>Ncm</i>		<i>rpm</i>	Angular	Axial				
				<i>degree</i>	<i>mm</i>	<i>mm</i>	<i>Nm/rad</i>	<i>N/mm</i>	<i>gr</i>	<i>gcm<sup>2</sup></i>
<b>BFP 1222</b>	15	50	10000	±2,5	±0,4	±0,2	45	30	8	1,8
<b>BFP 1520</b>	40	70	10000	±3	±0,4	±0,2	90	40	6	2
<b>BFP 1525</b>	40	70	10000	±4	±0,5	±0,3	70	15	7	2,3
<b>BFP 2029</b>	120	150	10000	±4	±0,4	±0,25	150	25	15	8
<b>BFP 2035</b>	100	150	10000	±4	±0,5	±0,3	150	10	16	9
<b>BFP 2533</b>	200	80	10000	±8	±2,77	±0,46	210	29	19,5	16,1
<b>BFA 1622</b>	40	50	10000	±3	±0,4	±0,2	90	40	6	2,1
<b>BFA 2129</b>	120	100	10000	±4	±0,4	±0,25	150	25	15	9
<b>BFA 2135</b>	100	100	10000	±4	±0,5	±0,3	140	10	16	9,5
<b>BFA 2435</b>	100	100	10000	±4	±0,5	±0,3	140	10	18	15,2
<b>BFA 2537</b>	200	66	10000	±8	±2,77	±0,46	210	29	28,5	25,4

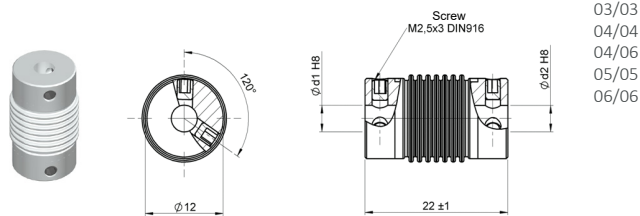
# BELLOW-FLEX

## FLEXIBLE METAL BELLOWS COUPLINGS

### BFP 1222

Ordering code example: BFP 1222 06/06

Ø d1/d2

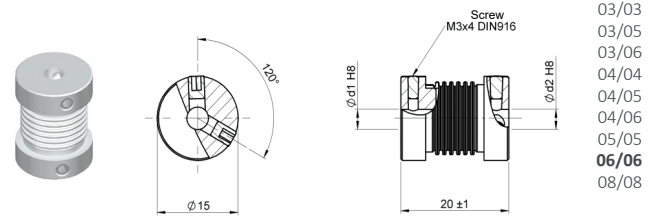


03/03  
04/04  
04/06  
05/05  
06/06

### BFP 1520

Ordering code example: BFP 1520 06/06

Ø d1/d2

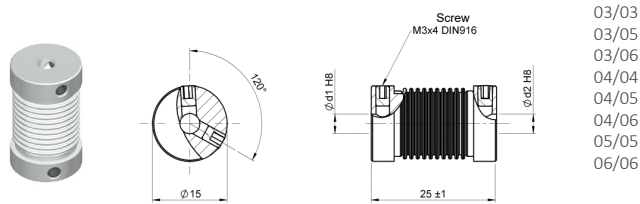


03/03  
03/05  
03/06  
04/04  
04/05  
04/06  
05/05  
**06/06**  
08/08

### BFP 1525

Ordering code example: BFP 1525 03/03

Ø d1/d2

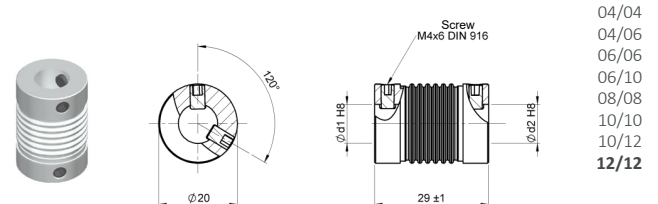


03/03  
03/05  
03/06  
04/04  
04/05  
04/06  
05/05  
06/06

### BFP 2029

Ordering code example: BFP 2029 12/12

Ø d1/d2

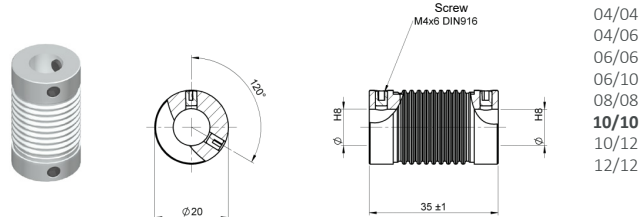


04/04  
04/06  
06/06  
06/10  
08/08  
10/10  
10/12  
**12/12**

### BFP 2035

Ordering code example: BFP 2035 10/10

Ø d1/d2

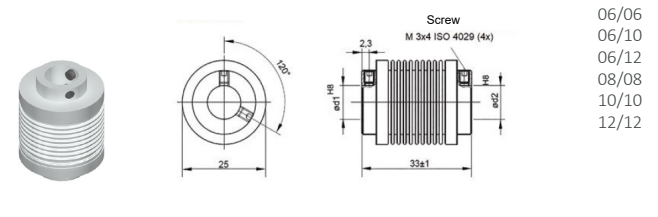


04/04  
04/06  
06/06  
06/10  
08/08  
**10/10**  
10/12  
12/12

### BFP 2533

Ordering code example: BFP 2533 10/10

Ø d1/d2

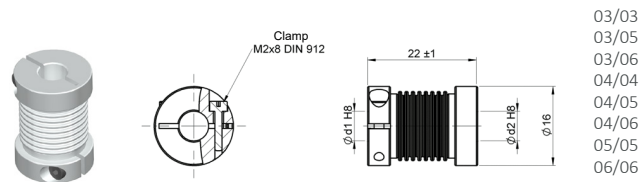


06/06  
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06/12  
08/08  
10/10  
12/12

### BFA 1622

Ordering code example: BFA 1622 06/06

Ø d1/d2

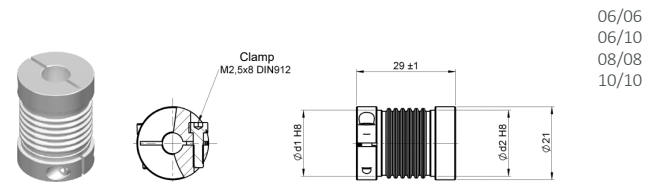


03/03  
03/05  
03/06  
04/04  
04/05  
04/06  
05/05  
06/06

### BFA 2129

Ordering code example: BFA 2129 10/10

Ø d1/d2

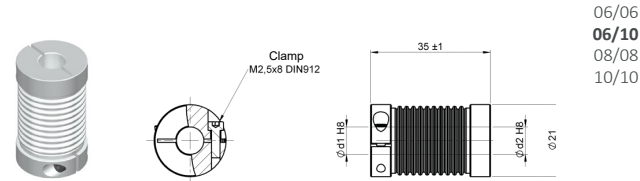


06/06  
06/10  
08/08  
10/10

### BFA 2135

Ordering code example: BFA 2135 06/10

Ø d1/d2

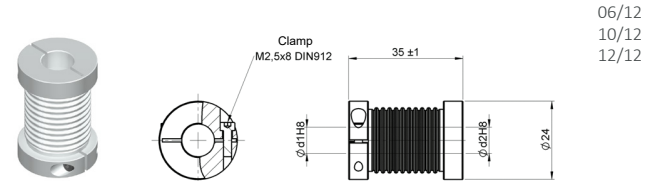


06/06  
**06/10**  
08/08  
10/10

### BFA 2435

Ordering code example: BFA 2435 12/12

Ø d1/d2



06/12  
10/12  
12/12

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

Other shaft diameter available, upon request.



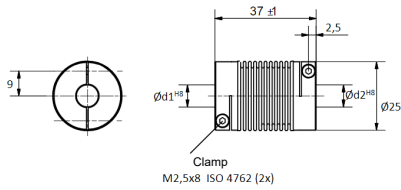
# BELLOW-FLEX

## FLEXIBLE METAL BELLOWS COUPLINGS

### BFA 2537

Ordering code example: BFA 2537 08/08

Ø d1/d2

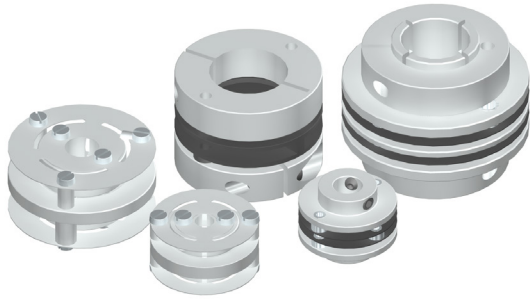


06/06  
06/10  
08/08  
10/10  
12/12

**Printed in bold** = Immediate delivery. Check with us the delivery time for the other options.  
Other shaft diameter available, upon request.

# LAMI-FLEX

## FLEXIBLE SHEET COUPLINGS



- Suitable for high speed
- High flexibility
- No cinematic errors in transmission
- High torsional rigidity



The LAMI-FLEX couplings are based on the use of some flexible steel or plastic membranes that pivot on the coupling, thus proportioning it a very good flexibility. The characteristics of LAMI-FLEX result in a transmission of great precision movement.

They are suitable for high rotation speeds, such as robots, machinetools, turbines, dynamometers ...

### TECHNICAL SPECIFICATIONS

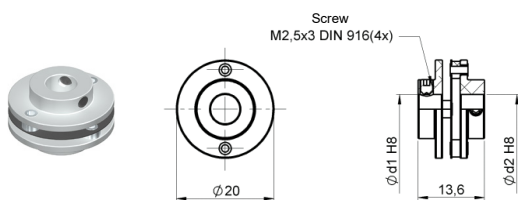
	Torque	Clamping torque	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia
	Ncm	Ncm		Angular	Axial	Radial				
				degree	mm	mm				
<b>LFP 2014</b>	50	60	10000	±2,5	±0,3	-	100	-	5	2,6
<b>LFP 2016</b>	50	60	10000	±3	±0,4	±0,2	45	125	6	2,8
<b>LFA 2213</b>	20	20	10000	±2	±0,3	±0,3	14	3	9,5	3,2
<b>LFA 2519</b>	40	65	12000	±2,5	±0,4	±0,25	22	60	16	13,5
<b>LFA 2525</b>	40	65	12000	±2,5	±0,4	±0,25	22	60	18	15
<b>LFA 3019</b>	80	80	12000	±3	±0,4	±0,4	150	6	16	19
<b>LFA 3022</b>	60	80	12000	±2,5	±0,4	±0,3	30	40	30	35
<b>LFA 3027</b>	60	80	12000	±2,5	±0,4	±0,3	30	40	32	37
<b>LFA 3437</b>	6,3	150	18000	2	±0,5	0,2	2500	100	75	130
<b>LFA 3832</b>	400	60	8000	±2,5	±0,3	±0,3	250	220	53	82
<b>LFA 3850</b>	400	60	8000	±2,5	±0,8	±0,8	250	12	63	106
<b>LFA 4447</b>	15	350	14000	2	±0,6	0,25	6400	180	156	470

#### LFP 2014

Ordering code example: LFP 2014 04/04

∅ d1/d2

02/02  
02/04  
04/04  
06/06

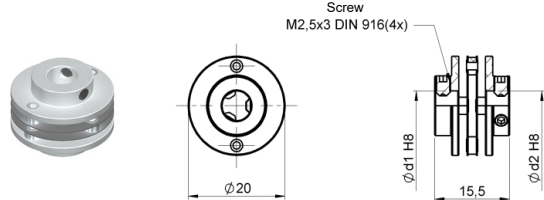


#### LFP 2016

Ordering code example: LFP 2016 02/04

∅ d1/d2

02/02  
02/04  
04/04  
06/06



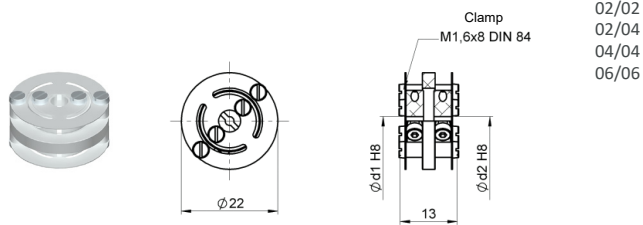
# LAMI-FLEX

## FLEXIBLE SHEET COUPLINGS

### LFA 2213

Ordering code example: LFA 2213 04/04

Ø d1/d2

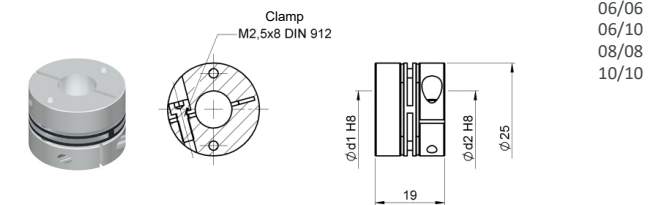


02/02  
02/04  
04/04  
06/06

### LFA 2519

Ordering code example: LFA 2519 06/06

Ø d1/d2

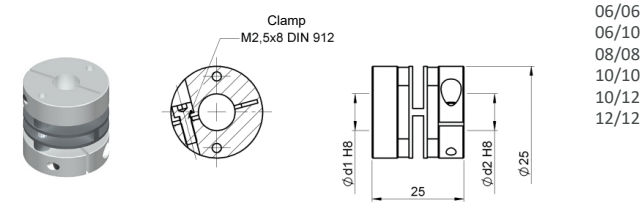


06/06  
06/10  
08/08  
10/10

### LFA 2525

Ordering code example: LFA 2525 06/06

Ø d1/d2

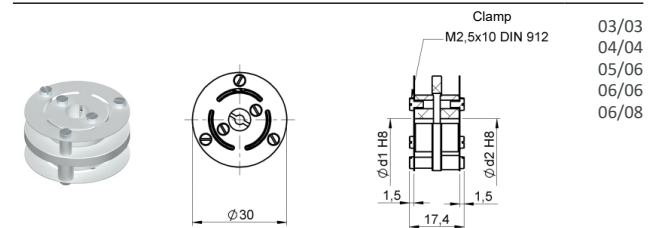


06/06  
06/10  
08/08  
10/10  
10/12  
12/12

### LFA 3019

Ordering code example: LFA 3019 06/08

Ø d1/d2

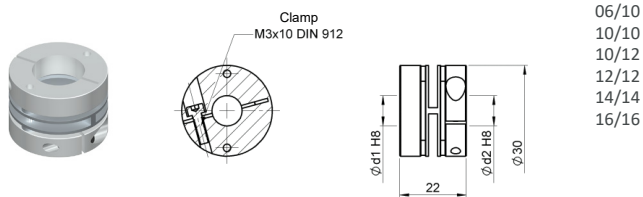


03/03  
04/04  
05/06  
06/06  
06/08

### LFA 3022

Ordering code example: LFA 3022 10/10

Ø d1/d2

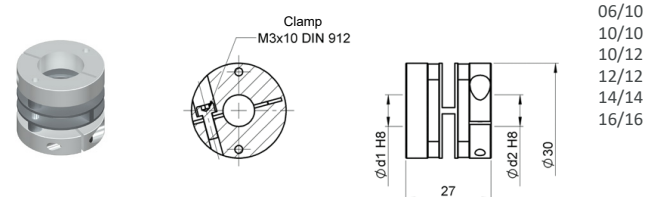


06/06  
06/10  
10/10  
10/12  
12/12  
14/14  
16/16

### LFA 3027

Ordering code example: LFA 3027 12/12

Ø d1/d2

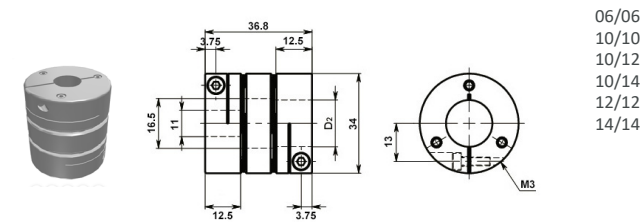


06/06  
06/10  
10/10  
10/12  
12/12  
14/14  
16/16

### LFA 3437

Ordering code example: LFA 3437 11/11

Ø d1/d2

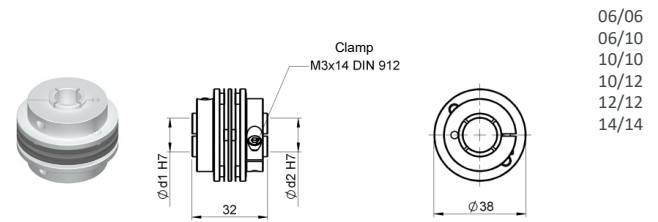


06/06  
10/10  
10/12  
10/14  
12/12  
14/14

### LFA 3832

Ordering code example: LFA 3832 06/06

Ø d1/d2

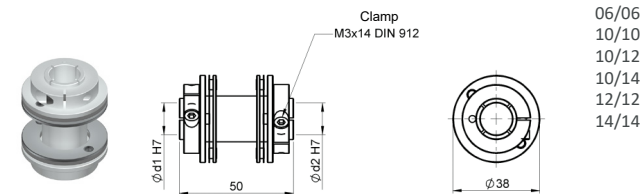


06/06  
06/10  
10/10  
10/12  
12/12  
14/14

### LFA 3850

Ordering code example: LFA 3850 06/06

Ø d1/d2

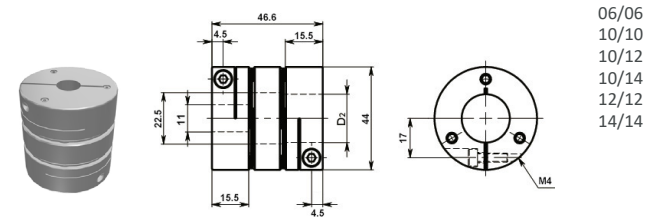


06/06  
10/10  
10/12  
10/14  
12/12  
14/14

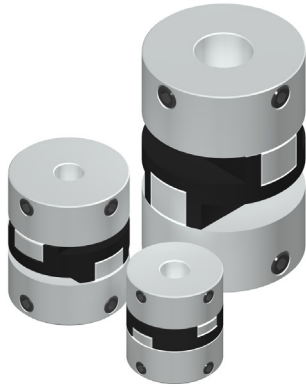
### LFA 4447

Ordering code example: LFA 4447 11/11

Ø d1/d2



06/06  
10/10  
10/12  
10/14  
12/12  
14/14



# OLDHAM-FLEX

## LATERAL SLIPPAGE COUPLINGS

- High absorption capacity of radial misalignment
- They do not produce kinematic errors in transmission
- Elimination of loads on shaft
- Mechanical protection against excessive torque
- Replaceable disc



OLDHAM-FLEX couplings are based on the use of a disc that can move radially with respect to the two shafts, which permits the compensation of large misalignment errors between them. The drums are machined from hardened aluminium alloy. The discs are manufactured from acetal with excellent mechanical properties and low friction coefficient. Due to wear, the coupling may show free-play above  $10^7$  revolutions under normal misalignment conditions, which can be corrected by replacing the disc. Because the OLDHAM-FLEX couplings are fitted with securing drums with drilled holes, the discs can be installed and replaced without any need to

disassemble the machines in order to separate the shafts. Radial misalignment does not produce any appreciable kinematic errors in transmission. However, angular misalignment can lead to small errors in a similar fashion to "Cardan" types of universal joints. They are suitable for positioning shaft slow drives, spindles and valves, etc. They must never be employed with cantilever or paired shafts.

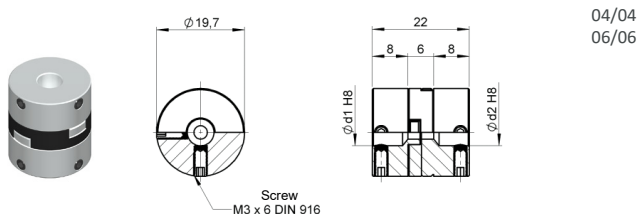
### TECHNICAL SPECIFICATIONS

	Torque max. <i>Ncm</i>	Clamping torque max. <i>Ncm</i>	Max. Speed <i>rpm</i>	Admissible max. misalignment			Torsion spring stiffness <i>Nm/rad</i>	Weight <i>gr</i>	Inertia <i>gcm<sup>2</sup></i>
				Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>			
<b>OFP 1922</b>	170	94	3000	±0,5	±0,1	±0,2	115	12	67
<b>OFP 2530</b>	400	227	3000	±0,5	±0,1	±0,2	205	31	252
<b>OFP 3349</b>	900	227	3000	±0,5	±0,15	±0,2	615	86	1278

#### OFP 1922

Ordering code example: OFP 1922 06/06

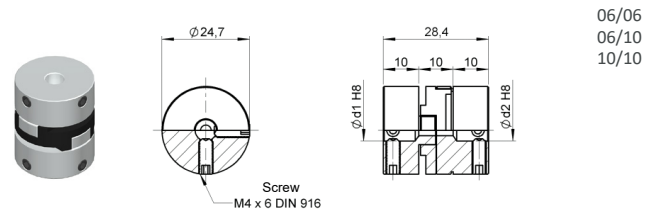
∅ d1/d2



#### OFP 2530

Ordering code example: OFP 2530 10/10

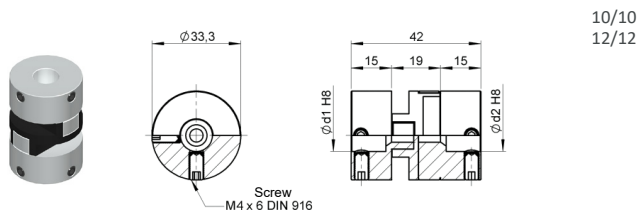
∅ d1/d2



#### OFP 3349

Ordering code example: OFP 3349 12/12

∅ d1/d2





# PAGU-FLEX

## FLEXIBLE ISOLATING COUPLING

- High precision for positioning applications
- Without wear or fatigue
- Vibration absorption
- Good torsional elasticity

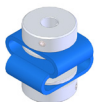


Adjuncts to a great variety of uses, the PAGU-FLEX couplings have been designed flexibly in accordance with the existing agreements for the shaft, as well as with the different requirements of the specific application cases. In the standard versions, each one of the galvanised heads (C15K material) has a cylindrical hole (H7 tolerance) and is fixed to the

shaft through a stay bolt with a hexagonal head DIN 916. The internal heads are very useful in situations with little space or reduced access.

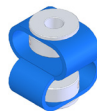
### TECHNICAL SPECIFICATIONS

	Torque <i>Ncm</i>	Clamping torque <i>Ncm</i>	Max. Speed <i>rpm</i>	Admissible max. misalignment			Torsion spring stiffness <i>Nm/rad</i>	Radial spring stiffness <i>N/mm</i>	Weight <i>g</i>	Inertia <i>gcm<sup>2</sup></i>
				Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>				
<b>GFP 10</b>	0,5	100	3.000	±10	±2	±2	13	13	33	41
<b>GFP 20</b>	1,5	200	3.000	±10	±3	±2,5	25	15	48	104
<b>GFP 30</b>	5	300	3.000	±15	±5	±5	43	9	140	220



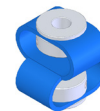
**GFP 10**

Ø d1/d2  
06/06  
08/08



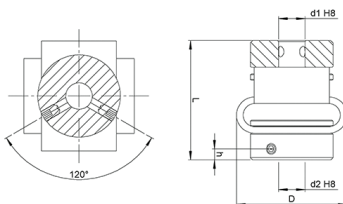
**GFP 20**

Ø d1/d2  
10/10

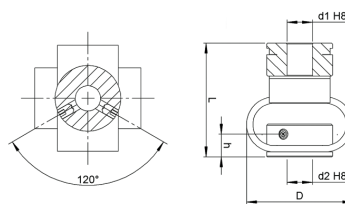


**GFP 30**

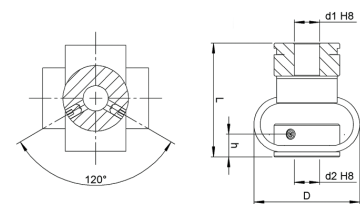
Ø d1/d2  
12/12  
14/14



Ordering code example: GFP 10 06/06



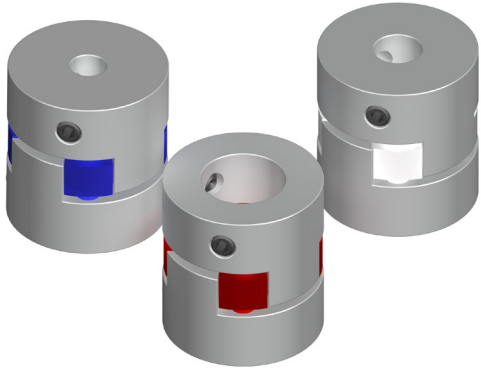
Ordering code example: GFP 20 10/10



Ordering code example: GFP 30 12/12

	Symbol	10	20	30
Rotation diameter	D	29 ± 1	48 ± 1	58 ± 1
Length in the idle mode	L	29 ± 1,5	46 ± 2	52 ± 2
Height of the thread screw	h	2,5	9	11
Minimum diameter of the drill hole	d1/d2	4	8	10
Maximum permitted diameter of the standard drill hole	d1/d2	10	14	19
Hexagonal screw DIN 916		M3	M4	M5

Dimensions in mm



# CROSS-FLEX

## SPIDER COUPLING

- Free of cinematic errors in transmission
- Replaceable disc
- Elevated torque transmission
- Admits few misalignments



The CROSS-FLEX couplings are based on the use of a central disc. They are recommended for applications with some of the torque transmissions and with little misalignments.

With the use of the CROSS-FLEX couplings, the angular misalignments may lead to small errors. Radial misalignment does not produce any appreciable kinematic errors in transmission. Wear is minimum.

### TECHNICAL SPECIFICATIONS

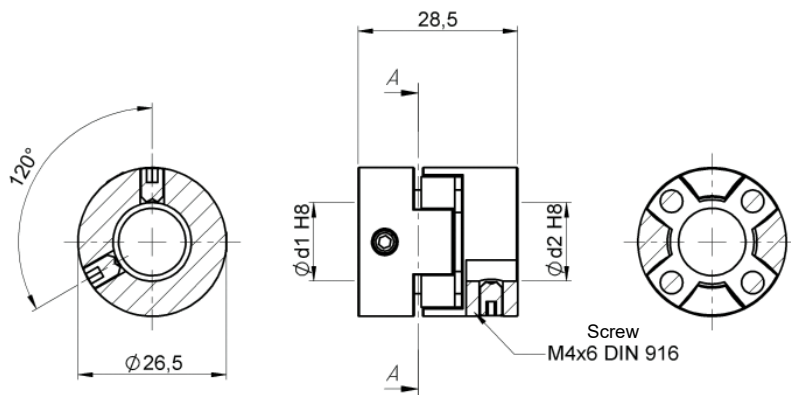
	Torque max. <i>Ncm</i>	Clamping torque max. <i>Ncm</i>	Max. Speed <i>rpm</i>	Admissible max. misalignment			Hardness <i>shore hardness</i>	Max. Torsion torque <i>degree</i>	Weight <i>gr</i>	Inertia <i>gcm<sup>2</sup></i>
				Angular <i>degree</i>	Axial <i>mm</i>	Radial <i>mm</i>				
<b>CFP 80</b>	800	150	19000	±1,3	±1	±0,22	80 (blue)	10	34	30
<b>CFP 92</b>	1500	150	19000	±1,3	±1	±0,22	92 (white)	10	34	30
<b>CFP 98</b>	2500	150	19000	±1,3	±1	±0,22	98 (red)	10	34	30

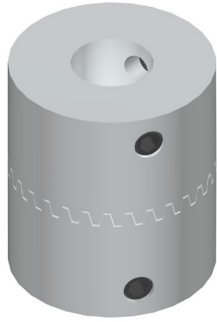
### CFP 80 - CFP 92 - CFP 98

Ordering code example: CFP 98 06/06

Ø d1/d2

04/04  
06/06  
08/08  
10/10  
12/12  
14/14





# UNION

## RIGID COUPLING

- High rigidity
- Free of cinematic errors in transmission
- Very little misalignment absorption
- Easy assembly, disassembly and adjustment



The UNION couplings are simple rigid couplings of two tooled steel pieces. They are apt for transmissions that require elevated torques and where there are no misalignments between the shafts.

In the case of these couplings, the angular misalignments may lead to small errors. They are suitable for positioning shaft slow drives.

### TECHNICAL SPECIFICATIONS

Torque	Clamping torque	Max. Speed	Admissible max. misalignment			Module	Radial spring stiffness	Weight	Inertia	
			Angular	Axial	Radial					
<i>Ncm</i>	<i>Ncm</i>	<i>rpm</i>	<i>degree</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>N/mm</i>	<i>gr</i>	<i>gcm<sup>2</sup></i>	
<b>UFP 2022</b>	200	80	8000	±0,5	-	-	0,7	-	42	26

### UFP 2022

Ordering code example: UFP 2022 06/06

Ø d1/d2

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

