



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

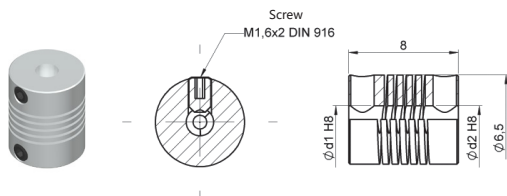
	Torque	Clamping torque	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia	Temperature range
	Ncm	Ncm	rpm	Angular degree	Axial mm	Radial mm	Nm/rad	N/mm	gr	gcm ²	°C
AFP 6508	2	8	8000	±2	±0.15	±0.1	0.55	24	0.5	0.02	-30 to +150
AFP 1015	15	15	8000	±2	±0.2	±0.15	2.2	22	2.4	0.34	-30 to +150
AFP 1218	25	35	8000	±2.5	±0.25	±0.15	2.8	28	4	0.83	-30 to +150
AFP 1622	40	80	8000	±3	±0.3	±0.2	5	34	9.5	3.2	-30 to +150
AFP 1922	60	80	8000	±3.5	±0.4	±0.25	9	40	13	6.7	-30 to +150
AFP 2524	100	120	8000	±4	±0.5	±0.3	20	60	26	22.2	-30 to +150
AFP 2532	100	120	8000	±4	±0.5	±0.3	18	50	35	30	-30 to +150
AFP 3030	150	120	8000	±4	±0.5	±0.3	21	60	45	57	-30 to +150
AFP 3038	150	120	8000	±4	±0.5	±0.3	21	60	60	76	-30 to +150
AFA 1421	50	50	6000	±3	±0.25	±0.2	4.5	22	6.5	1.9	-30 to +150
AFA 1625	60	50	6000	±3.5	±0.3	±0.2	5.5	30	10	3.8	-30 to +150
AFA 1928	80	120	6000	±4	±0.4	±0.25	8	36	16	8.7	-30 to +150
AFA 2532	100	100	6000	±4	±0.5	±0.35	16	45	34	29	-30 to +150
IFA 2532	200	150	6000	±4	±0.5	±0.35	29	150	88	84	-30 to +150
AFA 3038	150	100	6000	±4	±0.5	±0.35	19	60	58	76	-30 to +150



AFP 6508 - Aluminium

Ordering code example: AFP 6508 02/02

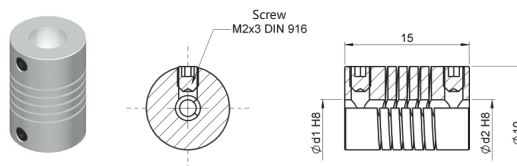
d1/d2	02	03	04	05
1.0	X	X	X	
1.5		X	X	
2.0			X	



AFP 1015 - Aluminium

Ordering code example: AFP 1015 02/02

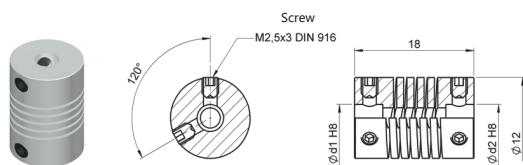
d1/d2	02	03	04	05
02	X	X	X	X
03		X	X	X
04			X	
05				



AFP 1218 - Aluminium

Ordering code example: AFP 1218 04/04

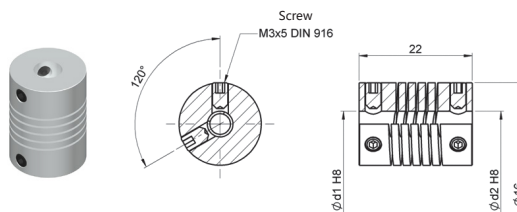
d1/d2	02	03	04	05
02			X	
03		X	X	
04			X	X
05				



AFP 1622 - Aluminium

Ordering code example: AFP 1622 06/06

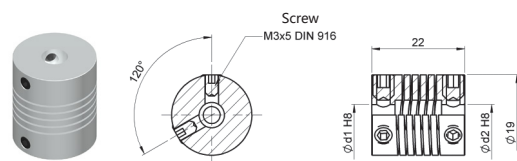
d1/d2	03	04	05	06
03	X	X	X	
04		X	X	X
05			X	
06				



AFP 1922 - Aluminium

Ordering code example: AFP 1922 06/06

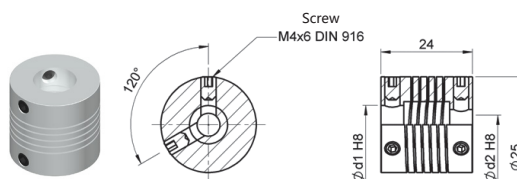
d1/d2	04	05	06	08
04			X	
05		X		
06			X	X
08				X



AFP 2524 - Aluminium

Ordering code example: AFP 2524 06/06

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

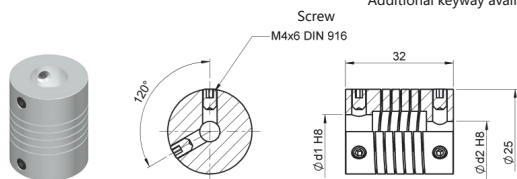


AFP 2532 - Aluminium

Ordering code example: AFP 2532 10/10

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

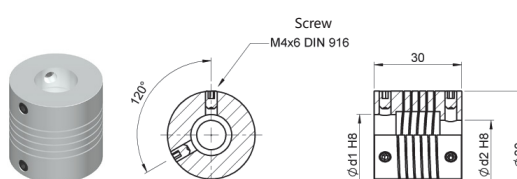
Additional keyway available, upon request



AFP 3030 - Aluminium anodised

Ordering code example: AFP 3030 10/10

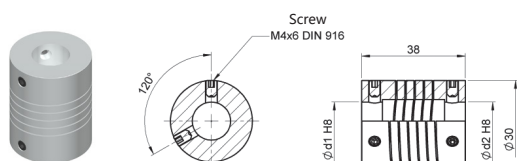
d1/d2	10	12	14
10	X	X	X
12		X	
14			



AFP 3038 - Aluminium anodised

Ordering code example: AFP 3038 12/12

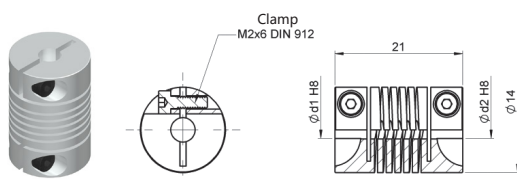
d1/d2	10	12	14
10	X	X	X
12		X	
14			X



AFA 1421 - Aluminium anodised

Ordering code example: AFA 1421 04/04

d1/d2	02	03	04
02	X	X	X
03		X	X
04			X

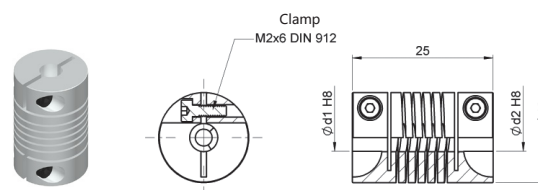


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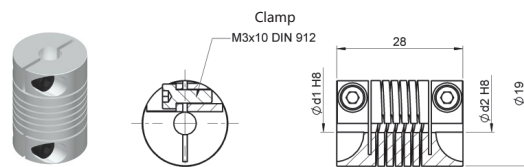
AFA 1625 - Aluminium anodised
Ordering code example: AFA 1625 05/05

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



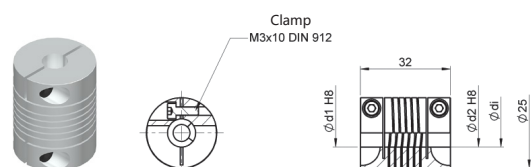
AFA 1928 - Aluminium anodised
Ordering code example: AFA 1928 06/06

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



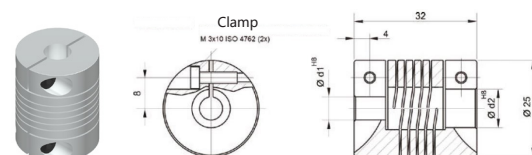
AFA 2532 - Aluminium anodised
Ordering code example: AFA 2532 10/10

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



IFA 2532 - Stainless Steel
Ordering code example: IFA 2532 10/10

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



AFA 3038 - Aluminium anodised
Ordering code example: AFA 3038 12/12

d1/d2	08	10	12	14
08	X			
10		X	X	
12			X	
14				X

