

COUPLING ALU-FLEX

ALUMINIUM GROOVED FLEXIBLE COUPLINGS

- 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

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

TYPE AFP 6508

Ø int. d1/d2
01/01
01/02
02/02

Ordering code example: AFP 6508 02/02

TYPE AFP 1015

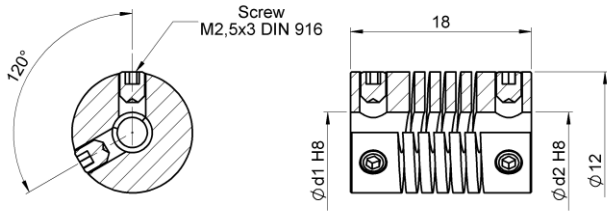
Ø int. d1/d2
02/02
02/03
02/04
02/05
03/03
03/05

Ordering code example: AFP 1015 02/02



TYPE AFP 1218

Ø int. d1/d2
02/04
03/03
03/04
04/04

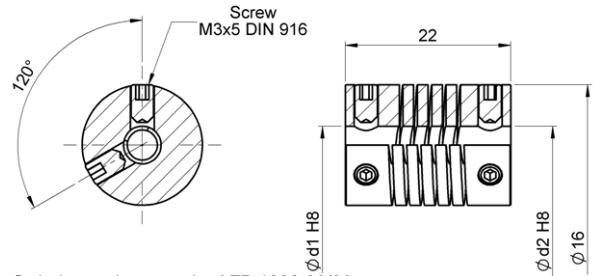


Ordering code example: AFP 1218 04/04



TYPE AFP 1622

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

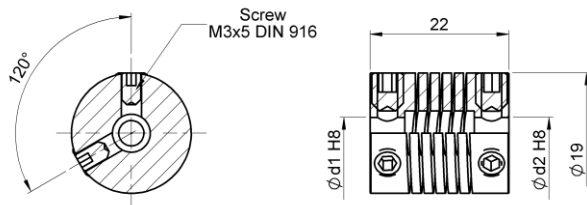


Ordering code example: AFP 1622 06/06



TYPE AFP 1922

Ø int. d1/d2
04/06
05/05
06/06

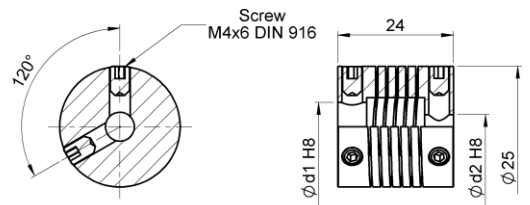


Ordering code example: AFP 1922 06/06



TYPE AFP 2524

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

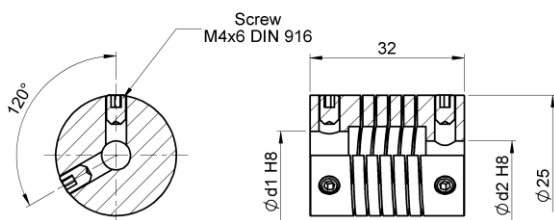


Ordering code example: AFP 2524 06/06



TYPE AFP 2532

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

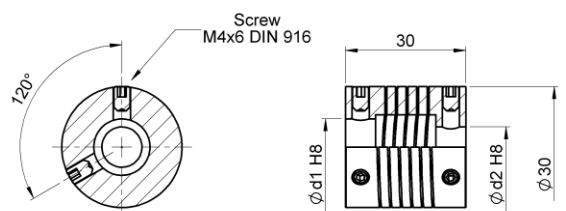


Ordering code example: AFP 2532 10/10



TYPE AFP 3030

Ø int. d1/d2
10/10
10/12
10/14

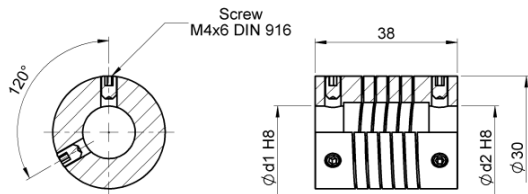


Ordering code example: AFP 3030 10/10



TYPE AFP 3038

- Ø int. d1/d2
- 10/10
- 12/12
- 14/14

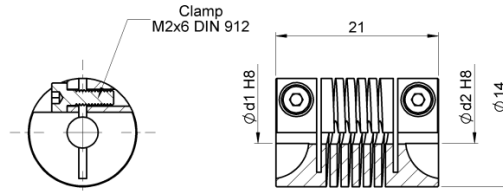


Ordering code example: AFP 3038 12/12



TYPE AFA 1421

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

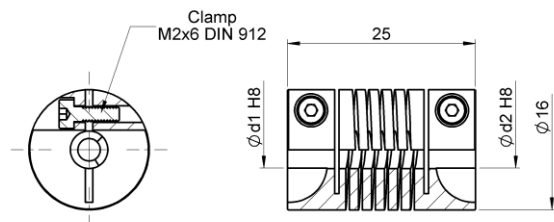


Ordering code example: AFA 1421 04/04



TYPE AFA 1625

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

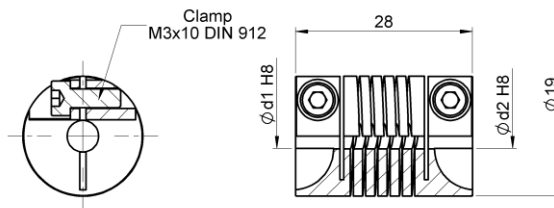


Ordering code example: AFA 1625 05/05



TYPE AFA 1928

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

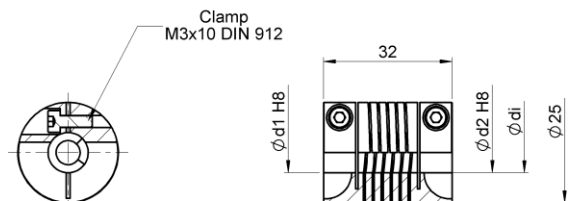


Ordering code example: AFA 1928 06/06



TYPE AFA 2532

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

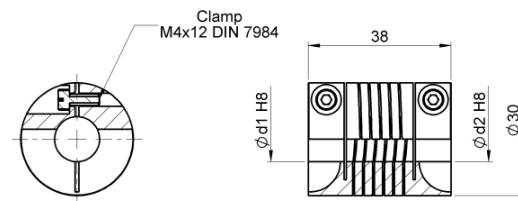


Ordering code example: AFA 2532 10/10



TYPE AFA 3038

- Ø int. d1/d2
- 10/10
- 12/12
- 14/14



Ordering code example: AFA 3038 12/12