

# COUPLING 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 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

Type	Torque	Clamping torque	Max.speed	Admissible max.misalignment			Torsion spring stiffness	Weight	Inertia
	Ncm			r.p.m.	Angular degree	Axial mm			
<b>OFP 1922</b>	160	130	2.500	±2	±0,2	±2	11	15	68
<b>OFP 2530</b>	340	310	2.500	±2	±0,2	±2,8	23	30	254
<b>OFP 3349</b>	800	570	2.500	±2	±0,3	±3,5	32	90	1283

**TYPE OFP 1922**

Ø int. d1/d2  
04/04  
06/06

Ø 19,7

22

8 6 8

Ø d1 H8

Ø d2 H8

Screw M3 x 6 DIN 916

Ordering code example: OFP 1922 06/06

**TYPE OFP 2530**

Ø int. d1/d2  
06/06  
06/10  
10/10

Ø 24,7

30

10 10 10

Ø d1 H8

Ø d2 H8

Screw M4 x 6 DIN 916

Ordering code example: OFP 2530 10/10

**TYPE OFP 3349**

Ø int. d1/d2  
10/10  
12/12

Ø 33,3

49

15 19 15

Ø d1 H8

Ø d2 H8

Screw M5 x 6 DIN 916

Ordering code example: OFP 3349 12/12