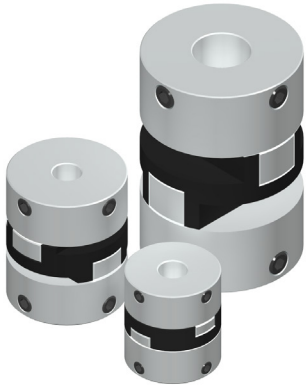


OLDHAM-FLEX

LATERAL SLIPPAGE COUPLINGS

- **High absorption capacity of radial misaligment**
- **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

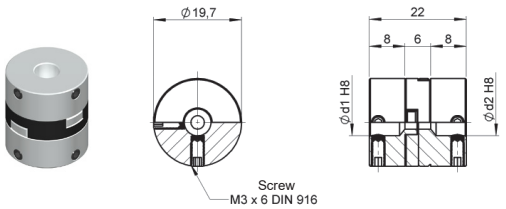
	Torque max.	Clamping torque max.	Max. Speed	Admissible max. misalignment			Torsion spring stiffness	Weight	Inertia
				Angular	Axial	Radial			
	Ncm	*Ncm*	*rpm*	*degree*	*mm*	*mm*	*Nm/rad*	*gr*	*gcm²*
OFP 1922	170	94	3000	±0,5	±0,1	±0,2	115	12	67
OFP 2530	400	227	3000	±0,5	±0,1	±0,2	205	31	252
OFP 3349	900	227	3000	±0,5	±0,15	±0,2	615	86	1278

OFP 1922

Ordering code example: OFP 1922 06/06

Ø d1/d2

04/04
06/06

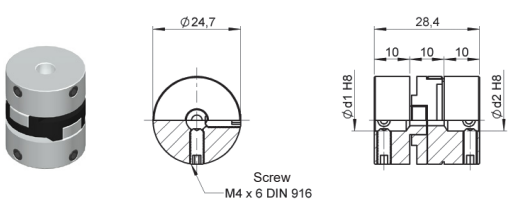


OFP 2530

Ordering code example: OFP 2530 10/10

Ø d1/d2

06/06
06/10
10/10



OFP 3349

Ordering code example: OFP 3349 12/12

Ø d1/d2

10/10
12/12