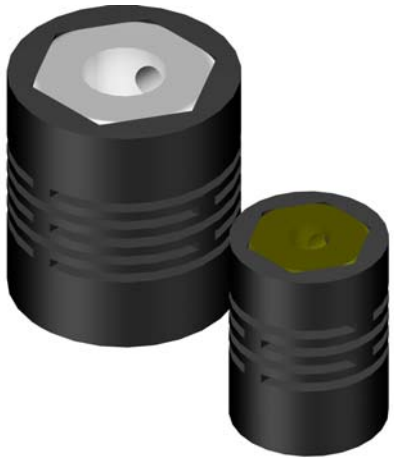
COUPLING POLY-FLEX

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 the material has 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.

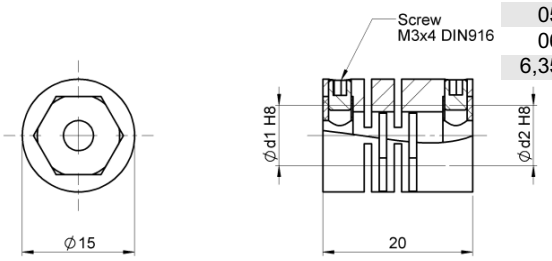
The tightening of the setscrews has been reinforced by incorporating an aluminium fitting.
These couplings are suitable for measurement systems and machines that do not offer high resistant torque values. They are recommended for tachometric generators potentiometers and encoders, etc.
POLY-FLEX couplings can be used in the temperature range of -30º to 85º.

TECHNICAL SPECIFICATIONS

Type	Torque	Clamping torque	Max. speed	Admissible max.misalignment			Torsion spring stiffness	Radial spring stiffness	Weight	Inertia
				Angular	Axial	Radial				
	Ncm	Ncm	r.p.m.	degree	mm	mm	Ncm/rad	N/mm	gr	gcm^2
PFP 1520	20	70	12.000	±2,5	±0,2	±0,3	12	45	6	2
PFP 2224	80	150	10.000	±3	±0,2	±0,3	38	115	10	7

TYPE PFP 1520

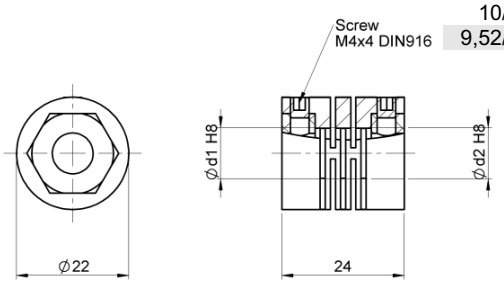
Ø int. d1/d2
03/03
03/05
03/06
04/04
04/05
04/06
05/05
05/06
06/06
6,35/6,35



Ordering code example: PFP 1520 06/06

TYPE PFP 2224

Ø int. d1/d2
04/04
06/06
06/08
06/10
6,35/6,35
08/10
10/10
9,52/9,52



Ordering code example: PFP 2224 08/08