FLEXIBLE COUPLING SPRINGS

- Absorption of significant misalignment
- Elimination of loads due to shaft misalignment
- Free of wear and fatigue
- Vibration absorption
- High torsional elasticity
- Protection against sudden acceleration in transmisison

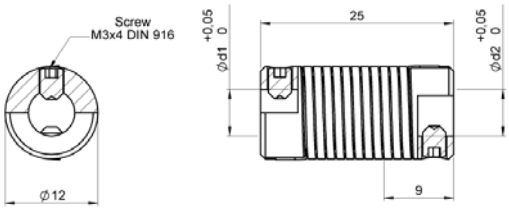
SPRING-FLEX couplings are based on the use of a helicoid spring as an elastic transmission element. These springs are constructed from stainless steel with a plane section. Spring ends are designed to prevent its rotation.
The result is a highly elastic coupling that enables very misaligned shafts to be coupled without the reactions on the bearings being excessively high. The coupling maintains its properties in both directions of rotations.
They are suitable for measurement systems and machines that do not offer a very high load torque and where the aligment of the shafts is not too tight or can cause variations (heat expansion, vibration and movements etc).

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
SFP 1225	30	70	8.000	±5	±0,5	±0,5	40	60	14	2,8
SFP 1635	100	150	3.000	±5	±1	±1	50	70	28	10
SFP 2650	300	300	3.000	±5	±1	±1,5	40	60	100	95

TYPE SFP 1225

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



Ordering code example: SFP 1225 06/06

TYPE SFP 1635

Ø int. d1/d2
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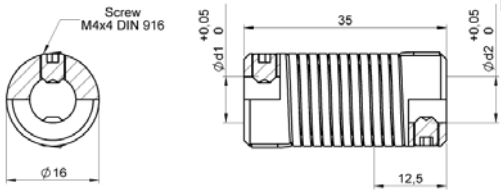
04/05
04/06
05/05
05/06
06/06
06/08
08/08



Ordering code example: SFP 1635 08/08

TYPE SFP 2650

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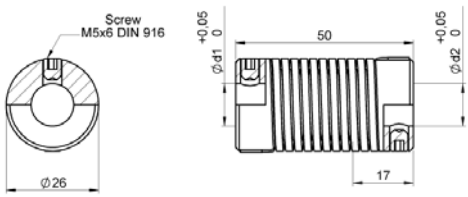
06/08
06/10
08/08
08/10
10/10
10/12
12/12



Ordering code example: SFP 2650 10/12

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