## \_EN\_01 03/17 obner Automáticos subject to errors and changes



## **SPRING-FLEX**

## **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 transmission



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 alignment of the shafts is not too tight or can cause variations (heat expansion, vibration and movements etc).

	TECHNICAL SPECIFICATIONS									
	Torque	Clamping torque	Max. Speed	Admissible max. misalignment			Torsion spring	Radial spring	Weight	Inertia
				Angular	Axial	Radial	stiffness	stiffness		
	Ncm	Ncm	rpm	degree	mm	mm	Ncm/rad	N/mm	gr	gcm²
SFP 1225	30	70	8000	±5	±0,5	±0,5	40	60	14	2,8
SFP 1635	100	150	3000	±5	±1	±1	50	70	28	10
SFP 2650	300	300	3000	±5	±1	±1,5	40	60	100	95





