

Geared up for performance!

| Semiflex® |



Design for Advantage

Semiflex® is a high-precision multi-talent that gets to grips with the most demanding tasks. It will fit into the smallest envelope and its constant accuracy gives machines a longer life. Its diverse application in the field has proven its long term reliability.

I Semiflex® I

Semiflex® is a torsionally-stiff, precise shaft coupling for transmitting torque from one shaft to another, in those cases where shaft alignment can not be guaranteed due to manufacturing tolerances, assembly procedures, wear, or operational specifics. All types of shaft misalignment are accommodated via the proven Semiflex® design. The angular velocity of the connected shafts remains totally synchronized, regardless of the shaft misalignment. No restoring forces are induced.



Compact

All Semiflex® series require very little axial space. Misalignment capacity is not a function of coupling length.

Modular

A great variety of shaft-hub connections can be independently combined together with a wide range of possible bore sizes.

Application driven

A great variety of form-fit and press-fit shaft-hub connections can be chosen to optimize application performance and easy installation.

No restoring forces

Shaft misalignment is compensated via pivoting parallel movement. No restoring forces are induced and shaft bearings are not exposed to radial stress.

Proven technology

For over 30 years Semiflex® has been successfully used in diverse applications all over the world.

All-metal

The all-metal Semiflex® is torsionally very stiff and suitable for use in demanding drive applications in all mechanical equipment.

Standard F series

A symbiosis of performance, compact design and generous misalignment capacity.

Torque (T_{KN})

44 Nm to 7,040 Nm

Outer diameter

50 mm to 300 mm

Locking-assembly bore sizes

up to 90 mm

Clamp hub bore sizes

up to 70 mm

Split-clamp hub bore sizes

up to 45 mm

Standard hub bore sizes

up to 100 mm

Internal hub bore sizes

up to 120 mm

Compact Plus



Dynamic



Compact Plus C series

Compact Plus: for extremely axially limited space. It offers up to 25% shorter length in comparison with the Standard series and no reduction in performance or misalignment capacity.

Torque (T_{KN})

69 Nm to 7,040 Nm

Outer diameter

70 mm to 300 mm

Locking-assembly bore sizes

up to 90 mm

Clamp hub bore sizes

up to 70 mm

Split-clamp hub bore sizes

up to 45 mm

Standard hub bore sizes

up to 100 mm

Internal hub bore sizes

up to 120 mm

Dynamic D series

The light-weight aluminum Semiflex® series with low moment of inertia. The series for highly dynamic applications.

Torque (T_{KN})

40 Nm to 180 Nm

Outer diameter

56 mm to 74,5 mm

Clamp hub bore sizes

up to 40 mm

I Semiflex® I



Semiflex®
Clamp hub



Semiflex®
Split-clamp hub



Semiflex®
Locking-
assembly

Semiflex®
Standard hub



Semiflex®
Internal hub



Semiflex®
Flange-mounting



Global Partners

For over 40 years our clients, dealers and suppliers around the world have placed their trust in us, our products and our services.

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