

Compact, precise and torsionally stiff.

I Products I



Design for Advantage

printing
measuring
coating
packaging

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Semiflex® is a torsionally-stiff, precise shaft coupling for transmitting torque and compensating all kind of misalignments - also functional misalignment.

Applications

Semiflex® is ideal in many applications:

- printing presses
- packaging machines
- woodworking machines
- machine tools
- rotary indexing systems

High torsional stiffness

The all-metal Semiflex® is torsionally very stiff and suitable for use in today's demanding applications.

Advanced technology

The unique Semiflex® design compensates radial, axial and angular misalignment without bending and therefore without restoring forces.

Compact

The Semiflex® requires very little axial space and offers the design engineer the opportunity to save space without therefore being subject to limitations on performance.

Series

Three series are available with a torque range from 40 Nm to 7.000 Nm.

Semiflex® series

Standard:
Performance and compact design

Compact Plus:
For extremely axially-limited space

Dynamic:
The light-weight aluminum series

Standard



Compact Plus



Dynamic





Schmidt-Kupplung® series

Standard:
Symbiosis of performance, compact design and offset capacity

Power Plus:
More torque transmission while retaining compact design

Offset Plus:
More offset capacity while retaining compact design

The Schmidt-Kupplung® is a compact, torsionally stiff performance shaft coupling for a large, variable radial shaft offset. The well-balanced system transmits torque without adding side loads to the drive.

Applications

Schmidt-Kupplung® is ideal in many applications:

- woodworking machines
- roll forming machines
- printing machines
- packaging machines
- paper making machines

High torsional stiffness

The Schmidt-Kupplung® is designed to transmit high torque in a compact

envelope and provides high torsional stiffness.

Homokinetic

The Schmidt-Kupplung® transmits torque under constant angular velocity at all possible offsets.

Variable offset

The compact system offers variable offsets between the drive and driven shaft during operation.

Series

Three series are available with a torque range from 35 Nm to 6.600 Nm.

Standard



Power Plus



Offset Plus





Controlflex® is a precise shaft coupling and is designed especially for the requirements of shaft encoders.

Applications

Controlflex® is ideal in many applications:

- shaft encoders
- tacho generators
- resolvers
- transmitters
- control drives

Insulating

Controlflex® offers electrical insulation to provide protection against shaft currents.

Advanced technology

The patented middle element compensates radial, axial and angular misalignment with very low restoring forces.

Compact

The Controlflex® requires a remarkably small envelope thus ensuring a compact connection of the measuring system.

Series

Four series are available for various encoder requirements.

Controlflex® series

Standard:
For all standard encoders

Impuls Plus:
For encoders with maximum accuracy

Compact:
The very short design

Industry:
For robust industrial encoders

Standard



Impuls Plus



Compact



Industry





Loewe® GK series

Torque:
Resists axial motion

The Loewe® GK is designed for torque applications where the coupling has to resist axial motion as well as a linear coupling for the precise transmission of pure linear push and pull loads.

Applications

Linear:
Precise transmission of
push-pull loads

Loewe® GK is ideal in many applications:

- valve triggering systems
- pick-and-place machines
- printed circuit board machines
- screw jacks
- linear cylinder applications

High axial stiffness

High strength aluminum ensures the precise transmission of high axial loads.

Compact design

The Loewe® GK compensates radial and angular misalignment in a very short envelope without deformation.

Low mass

Loewe® GK provides a low moment of inertia both in clamp hub version and with threaded hubs for cylinder systems.

Series

Two series are available with a torque range from 4 Nm to 220 Nm and axial loads from 800 N up to 13.000 N

Torque



Linear





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. At SCHMIDT-KUPPLUNG GmbH we place great importance in continuing this tradition.

If you have any further questions or need additional information on our coupling systems, please call us. Our experts will be pleased to assist you.

Wilhelm-Mast-Str. 15

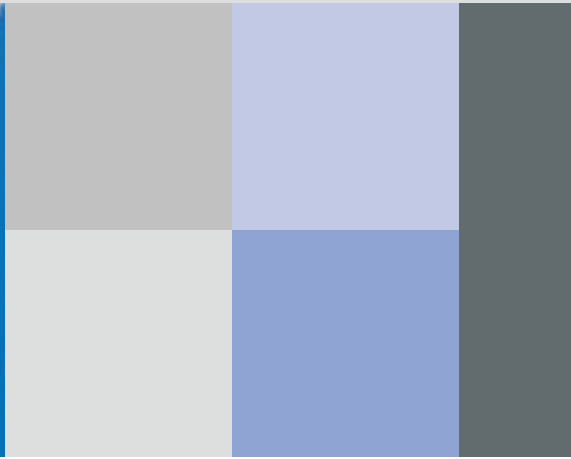
D-38304 Wolfenbüttel

Phone +49 5331 9552-500

Fax +49 5331 9552-552

info@schmidt-kupplung.com

www.schmidt-kupplung.com



www.schmidt-kupplung.com
info@schmidt-kupplung.com

SCHMIDT-KUPPLUNG 
GmbH