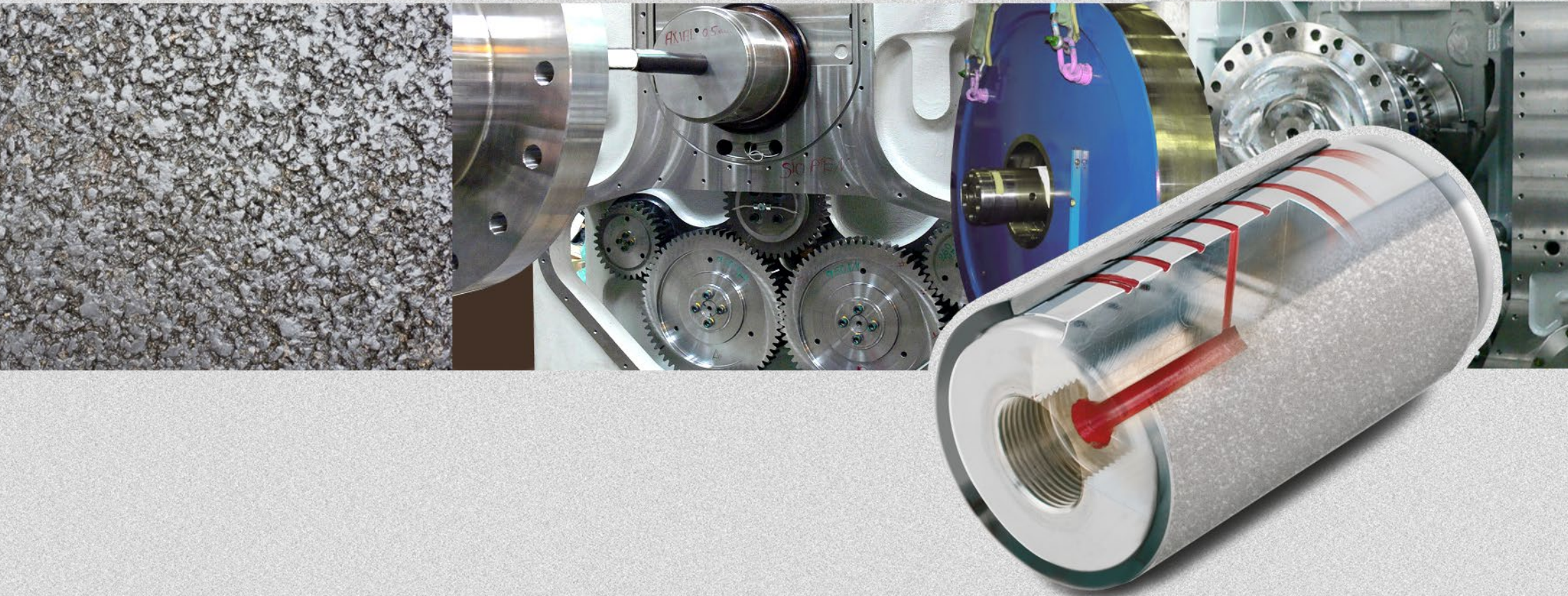
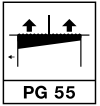


GripCon

The optimum component connection
Cost reducing – Powerful – Unique

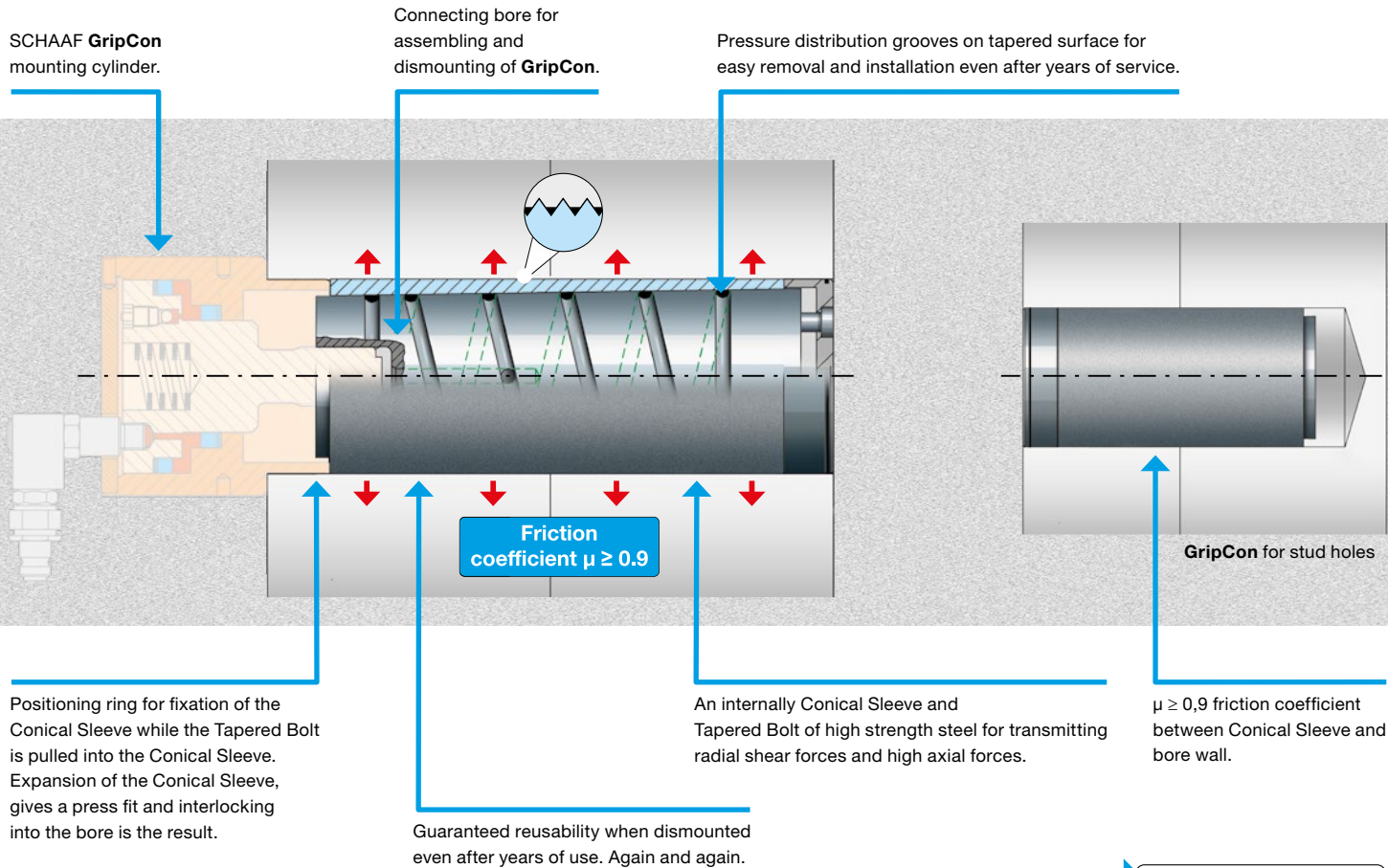


GripCon – Powerful axial
and radial connecting.



GripCon

Form fit component connection which takes up highest axial and radial loads



Advantages

Due to expansion and interlocking of the sleeve into the bore surfaces, the following advantages are given compared to normal bolt connections:

- No nuts for flange connections, thus significant cost reduction
- An approximate 50 % weight reduction
- Lower manufacture investment for significantly less connection elements
- No more thread cutting in stud holes necessary
- No protruding threads or nuts – better design and higher efficiency of rotation machines
- No conventional bolt connection elements
- Significant mounting time reduction because of less connection elements
- Significant less mounting and dismantling space needed
- 100 % form fit and frictional connection anytime after mounting, no slipping of flanges
- Simple and quick installation and removal of **GripCon** even after years of use
- Reusability after removal again and again – no spare parts necessary
- Torsion and bend-proof connection even with sudden changes of rotational speed, the torque or the direction of rotation respectively load
- No more seized bolts, no more shrinking of over size bolts necessary
- High torque and shear force transmission completely free from backlash with additional axial force transmission in smallest installation spaces

GripCon international patent pending.

Inquiry form and animated operating instructions under www.schaaf-gmbh.com

GripCon and accessories are a milestone in the research and development of **SCHAFF** hydraulic high-pressure equipment and shows the world leadership in that field.

Areas of Application

SCHAFF GripCon are the optimum solution wherever high forces (axial and radial) must be transmitted in smallest construction spaces and, at the same time, easy removal must be ensured, for example ship drive shafts, flywheel fixings for large motors, gear box manufacturing, heavy equipment manufacturing and wind power plants.

Quality Assurance

All **GripCon** are checked for material quality, dimensional accuracy, correct functioning and load-resistance. During order execution, they are subject to continuous quality assurance measures and are supplied together with detailed technical documentation.

Services

GripCon are, of course, supplied packaged, ready for installation and use.

SCHAFF **GripCon** are user-friendly, reliable, and manufactured in accordance with the highest level of technical know-how. Our highly-motivated staff would be pleased to train your personnel, in situ or at our works, in mounting and dismantling the bolts.

Versions

The standard version of the SCHAFF **GripCon** comprises the following components:

- Tapered Bolt and Conical Sleeve of high-strength quenched and tempered steel for maximum shear strength and axial load capacity
- Conical Sleeve with friction value maximised outer lateral area
- Pressure connection bore and pressure distribution grooves on the taper for easy removal and mounting of the Tapered Bolt

Complete solution from SCHAFF

The accessories for the **GripCon**, such as Bolt Tensioners, high-pressure pumps, hydraulic hoses and connection couplings, are aligned to the functions = 100 % system solution. SCHAFF Multiple Stud Nuts are also useable.

Accessories and additional product groups

- Bolt Tensioners (SSV)
- High-pressure generators: manually operated, electric, or air-operated
- High-pressure hydraulic hoses
- Couplings, nipples, adapters and distributor blocks for pressures up to 4,000 bar
- TTG Nuts and Bolts, SchrinkNut
- MSN – Multiple Stud Nuts
- ExpaTen, ExpaHub, ExpaTen QL
- GripLoc, GripLoc - MSN
- Mounting aids such as centering pin and lifting devices, or as requested by the customer
- Protection Caps

Certificates and Acceptance Tests

- Approvals from classification societies
- Material test reports
- Specific test reports
- Certificates as per special customer requirements



GripCon for motor production



Application in wind force gear box

SCHAFF is certified in accordance with DIN EN ISO 9001 and, in addition, fulfils all requirements of all classification societies.



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