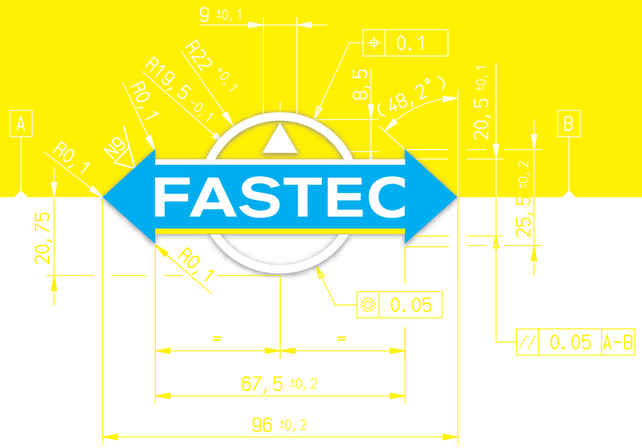
GIVE US A TRY! WE WILL WORK OUT A COMPREHENSIVE SOLUTION FOR YOU!



FASTEC ENGINEERS AND MANUFACTURERS:

High pressure technology up to 4000 bar
- Hydraulic bolt tensioners
- Hydraulic nuts
- Hydraulic pumps (manual, air and electric-driven)
- Hydraulic accessories (high pressure hoses, couplings, adaptors)
- Special hydraulic tools

Fastening systems
- Hydraulic fitting bolts
- Friction-locked shaft couplings
- Fast-lock fasteners
- And much more …

SWISS MADE QUALITY

FASTEC products are subject to a permanent and strict quality control during manufacturing and final assembly. This guarantees that all FASTEC products meet the highest expectations for a reliable function, even after years of hardest working conditions.

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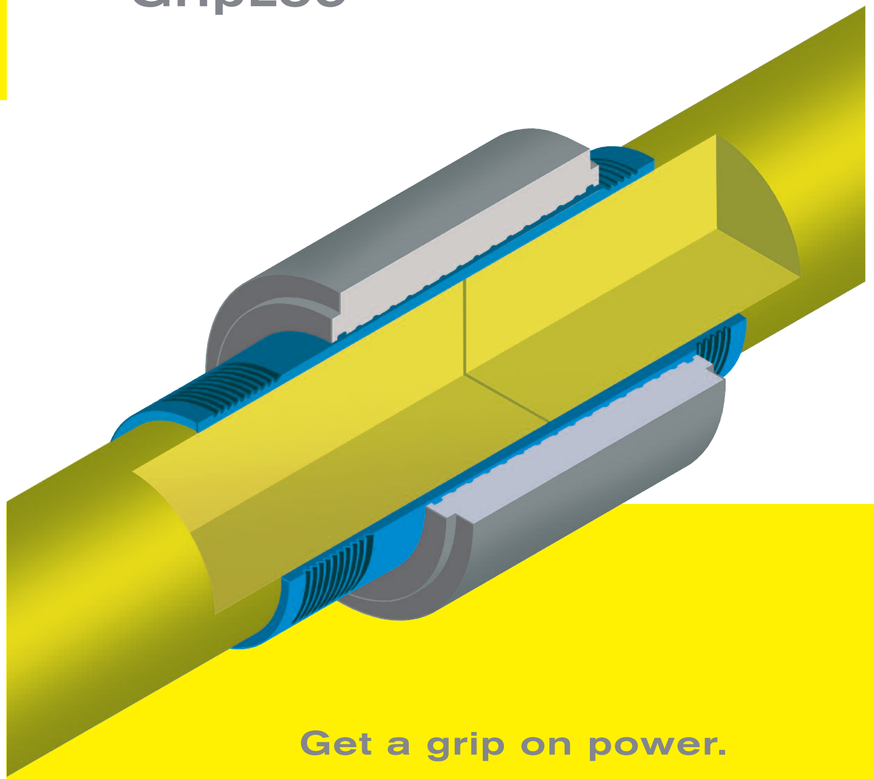
GRIPLOC 2008 GB DESIGN FASTEC

Shaft coupling
GripLoc

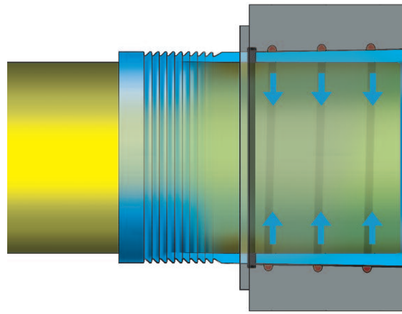


Get a grip on power.

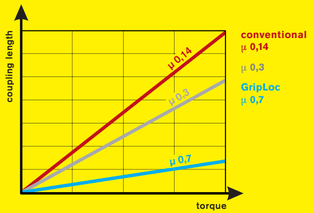
The solution

GripLoc solves the problem.

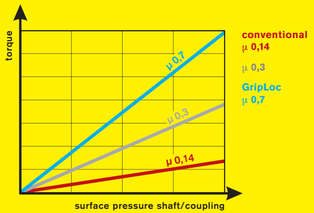
- a high backlash free torque transmission
- 100 % friction – more security
- separate removable hydraulic nut only one for few couplings
- no problem to release the hydraulic nut by damaged gasket
- no functional blackout like with similar products with damaged integrated hydraulic
- resistant to deflection and rotational forces when changing rotation speed, torque or sense of rotation
- maximum torque transmission in minimum space by integrated friction coating
- easy and quick mounting and dismounting even after years of use
- reusable after dismounting
- cost saving



GripLoc offers a 5 factor higher improved safety opposite similar products.



The force transmission at the contact covers happens by frictions measures.



GripLoc reach a friction up to $\mu = 0.7$ (standard $\mu = 0.14$) and can transmit essential more force, or the overall size can be reduced.

GripLoc – Safety by friction

GripLoc- and SafeLoc – technology create an optimal connection.

FUNCTION

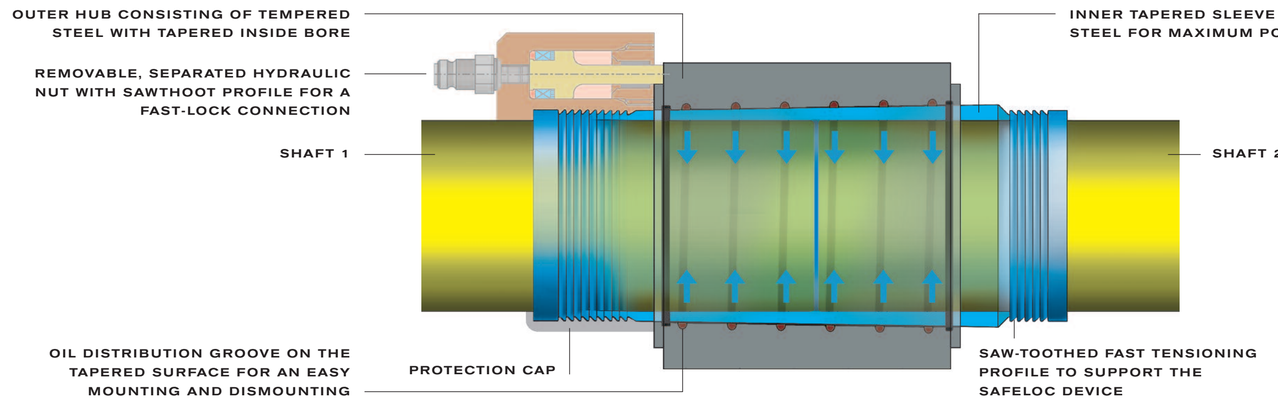
By expansion of the hub a pressing of the shaft surface is generated. The therefore necessary displacement of the hub with tapered bore on the interior conical sleeve happens without abrasion by hydraulic pressure.

The removable separated hydraulic tool enables a quick simply mounting and can be reused for other couplings. The integrated Safe Loc – Technology avoids operating error and guaranties a multiple usability even after years.

Every transmissioned contact surfaces of the GripLoc – coupling are coverd with a special friction coating. It makes possible to get a better material efficiency with a higher rigidity of the coupling assembly.

This enables the possibility of reducing shaft dimensions, resulting in space savings, lower weight and moments of inertia requiring lower power outputs as well as reduced investment costs.

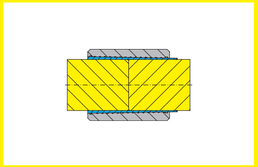
GripLoc and SafeLoc are patent pended.



The procedure is easy and reliable

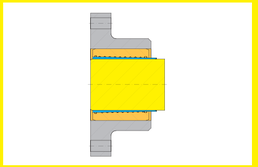
- Even in restricted environment, it brings perfect results.
- It allows disassembly without problems even after years of usage
- The GripLoc coupling produces an unbeatable high power transmission by simply repeatable high frictional connection
- FASTEC supplies the complete tensioning tools and the system accessories.

TYPE HCS



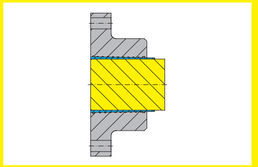
Coupling to connect cylindrical shaft ends.
High torque transmission by integrated special friction coating.
Example: ship shafting

TYPE HCI



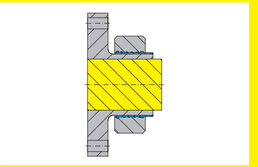
Coupling to connect a cylindrical shaft end with a hub.
High torque transmission by integrated special friction coating.
Example: diesel engines, compressors, drive wheels

TYPE HCF



coupling flange for a cylindrical shaft end.
High torque transmission by raising the integrated special friction coating.
Example: ship propulsion, turbines, electromotors, compressors

TYPE HCA



Shrink disk for a hollow shaft connection.
Example: wind power station

EXAMPLES OF APPLICATION

Connecting drive shaft sections
- in ship building
- in power stations
- in rolling mills
- with compressors and engines
- with generators and turbines

Hub to shaft connection
- in conveyer plants
- in compressors and engines
- in water turbines
- and in many areas more

APPLICATION AREAS

The main application area of the GripLoc coupling is the connection of heavy rotating shafts transmitting high torque (force).
This can be two shafts or shaft sections resp. or the joint of a shaft to the hub of gearwheels, cutting heads, bucket and turbine wheels or propellers.


Wind power


Ship propulsion


Steam turbine