

Smart Connection Technology for Voith Fluid Couplings. GPK



Applications

Connection couplings transmit torque and provide the ability to compensate for misalignment between shafts.

Advantages

The GPK connection coupling distributes the weight of the fluid coupling between the electric motor and gearbox shafts.

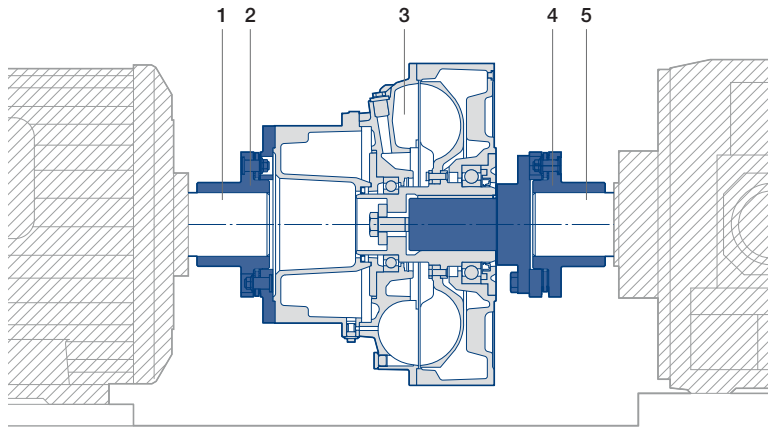
The GPK enables the fluid coupling to be mounted radially without disturbing the electric motor to gearbox shaft alignment. This makes it particularly easy to handle during assembly and maintenance of the drive.

Designs

The GPK is available for constant-fill fluid couplings from Voith of sizes 366T... to 1150DT...

Modular designs featuring brake drums/disks are also available.

Sectional drawing



- 1 Electric Motor shaft
- 2 GPK connection coupling
- 3 Voith Turbo fluid coupling
- 4 GPK connection coupling
- 5 Gearbox shaft

Our GPK – Your Advantage

Features	Advantages	Benefits
<ul style="list-style-type: none"> • Distributes the weight of the fluid coupling between the electric motor and gearbox shafts 	<ul style="list-style-type: none"> • Reduced load on the shafts and bearings 	<ul style="list-style-type: none"> + Long service life for all drive components
<ul style="list-style-type: none"> • Transmission of torque using angular and axially flexible disk packs 	<ul style="list-style-type: none"> • Compensation of significant angular, radial and axial shaft misalignments • Generous alignment tolerances • Can be installed and removed radially 	<ul style="list-style-type: none"> + High level of operational reliability + Time and cost savings
<ul style="list-style-type: none"> • Flexible disk packs made from corrosion-resistant steel 	<ul style="list-style-type: none"> • Low-maintenance 	<ul style="list-style-type: none"> + Low maintenance costs
<ul style="list-style-type: none"> • Optimized length of the connection coupling 	<ul style="list-style-type: none"> • Shorter installed length compared with similar solutions 	<ul style="list-style-type: none"> + Less installation space required
<ul style="list-style-type: none"> • Modular design 	<ul style="list-style-type: none"> • Versions available featuring brake drums or brake disks 	<ul style="list-style-type: none"> + Flexible drive design

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