

## Smart Connection Technology for Voith Fluid Couplings. GPK-XP



### Applications

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

### Advantages

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

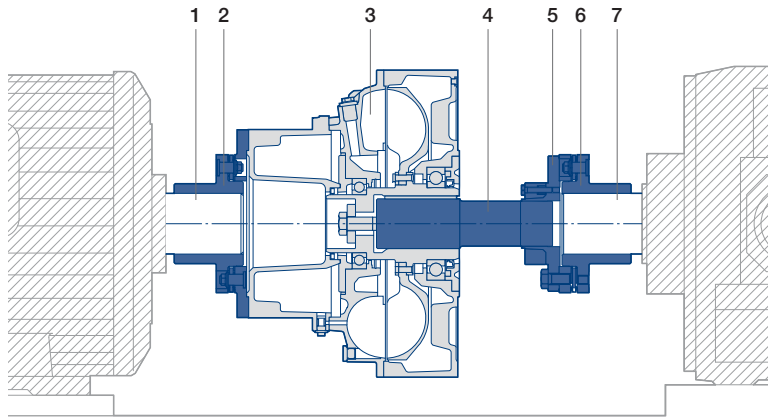
The GPK-XP enables the fluid coupling to be mounted radially without disturbing the electric motor to gearbox shaft alignment. This makes it particularly easy to handle during assembly and maintenance of the drive.

### Designs

The GPK-XP 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-XP connection coupling
- 3 Voith Turbo fluid coupling
- 4 Stub shaft
- 5 Clamping hub
- 6 GPK-XP connection coupling
- 7 Gearbox shaft

## Our GPK-XP – Your Advantage

Features	Advantages	Benefits
<ul style="list-style-type: none"> <li>Distributes the weight of the fluid coupling between the electric motor and gearbox shafts</li> </ul>	<ul style="list-style-type: none"> <li>Reduced load on the shafts and bearings</li> </ul>	<ul style="list-style-type: none"> <li>+ Long service life for all drive components</li> </ul>
<ul style="list-style-type: none"> <li>Transmission of torque using angular and axially flexible disk packs</li> </ul>	<ul style="list-style-type: none"> <li>Compensation of significant angular, radial and axial shaft misalignments</li> <li>Generous alignment tolerances</li> <li>Can be installed and removed radially</li> </ul>	<ul style="list-style-type: none"> <li>+ High level of operational reliability</li> <li>+ Time and cost savings</li> </ul>
<ul style="list-style-type: none"> <li>Flexible disk packs made from corrosion-resistant steel</li> </ul>	<ul style="list-style-type: none"> <li>Low-maintenance</li> </ul>	<ul style="list-style-type: none"> <li>+ Low maintenance costs</li> </ul>
<ul style="list-style-type: none"> <li>Installed length is the same as XP connection couplings</li> </ul>	<ul style="list-style-type: none"> <li>Easy to replace</li> </ul>	<ul style="list-style-type: none"> <li>+ Time and cost savings</li> </ul>
<ul style="list-style-type: none"> <li>Modular design</li> </ul>	<ul style="list-style-type: none"> <li>Versions available featuring brake drums or brake disks</li> </ul>	<ul style="list-style-type: none"> <li>+ Flexible drive design</li> </ul>
<ul style="list-style-type: none"> <li>Clamping hub design</li> </ul>	<ul style="list-style-type: none"> <li>Large axial alignment tolerances</li> </ul>	<ul style="list-style-type: none"> <li>+ Quick to align</li> </ul>

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 Engineered Reliability