

iPK – Sensor Integrated Coupling

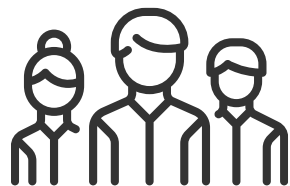
Darmstadt
15.09.2026





65

Countries present



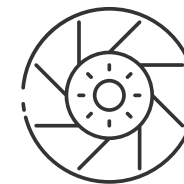
280

Employees



1990

Foundation



800.000

couplings produced
annually

+Core product pillars

For every requirement

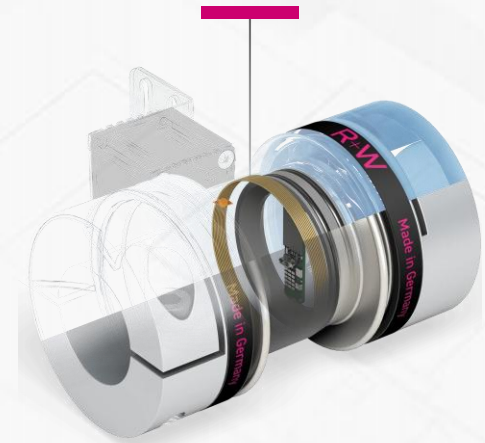
Precision Couplings



Industrial Couplings

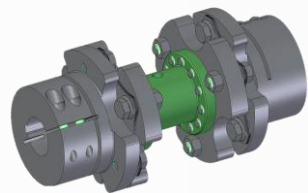


Sensor Integrated Couplings



+Recap 2024

Where are we now?

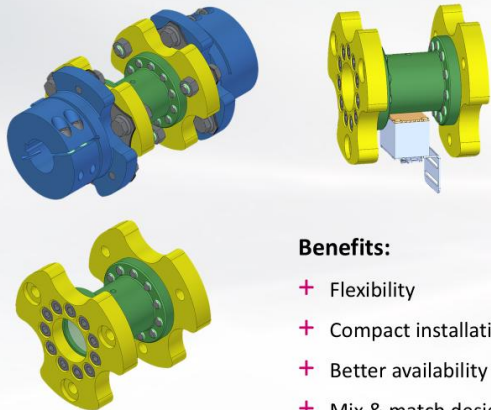


2024



New development
of adaptable flange

New developments

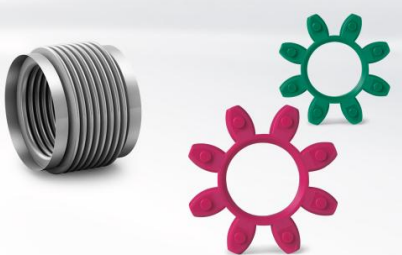


Combinations:

- Elastomer insert
- Disc pack
- Metal bellows

Benefits:

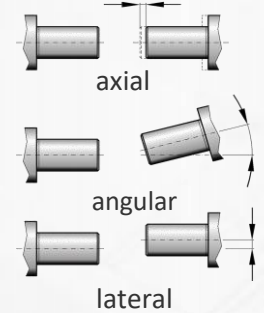
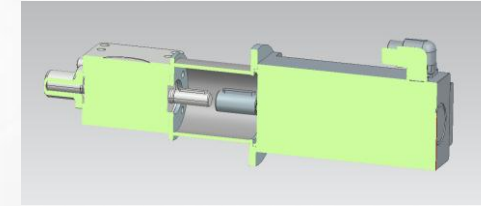
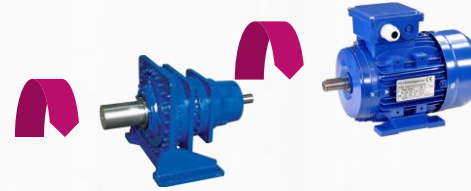
- + Flexibility
- + Compact installation space
- + Better availability
- + Mix & match design
- + screw joint



R+W
A POPPE + POTTHOFF COMPANY

+ Functions of a coupling

Function + added value

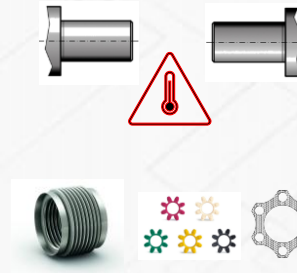
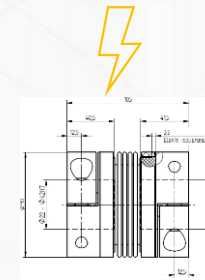
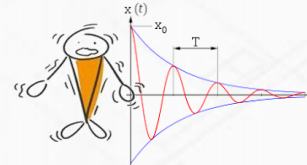


1. Primary function

- Torque and rotating angle transmission
- Geometric connection between driving and driven elements
- Misalignment compensation

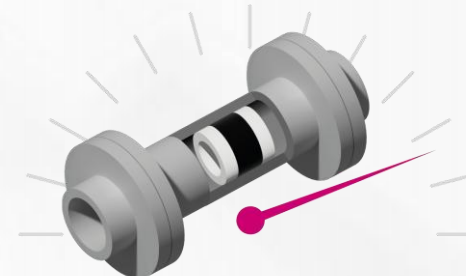
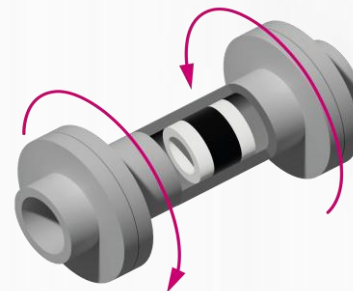
2. Secondary functions

- Vibration damping
- Electrical insulation / Electrical conductivity
- Thermal isolation
- Torque limiting



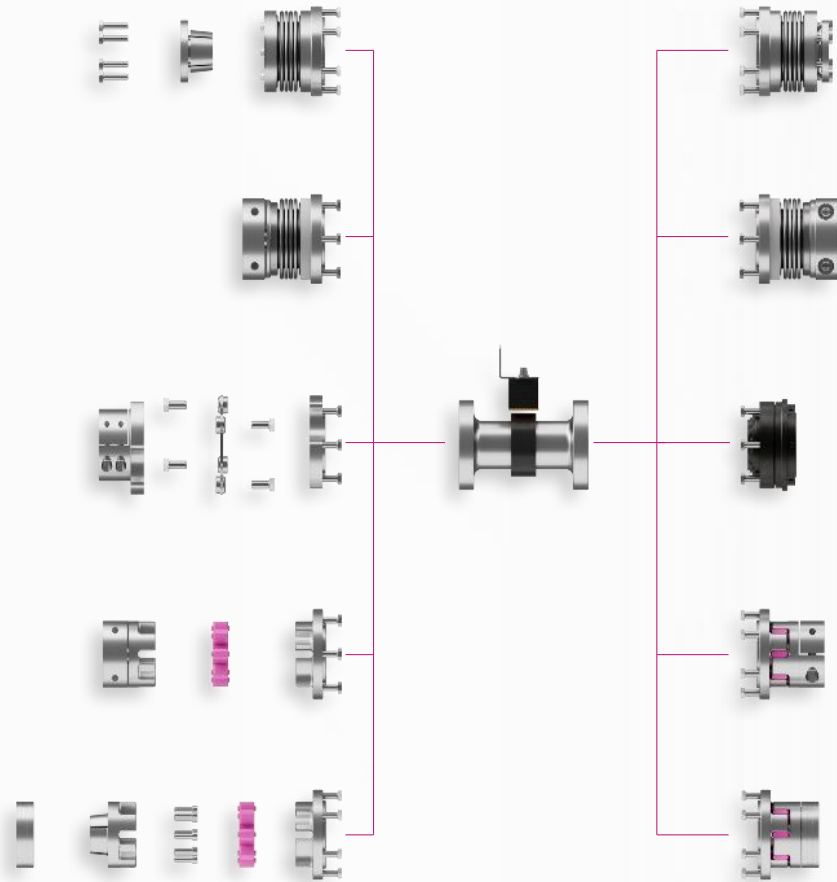
3. iPK-specific functions

- Torque measurement
- Speed measurement
- Temperature measurement



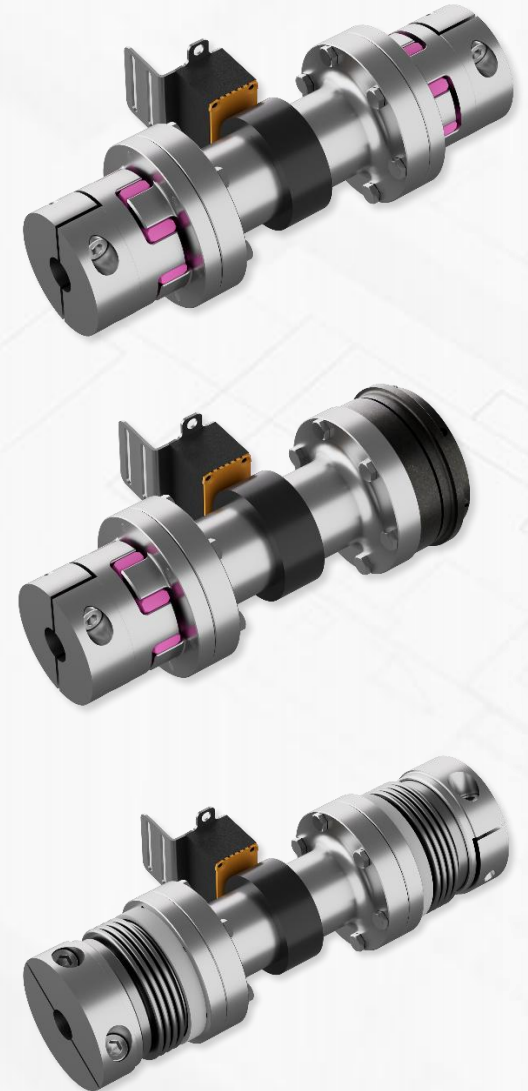
+ Sensor-Integrated flange

Off-the-shelf product using R+W modular system



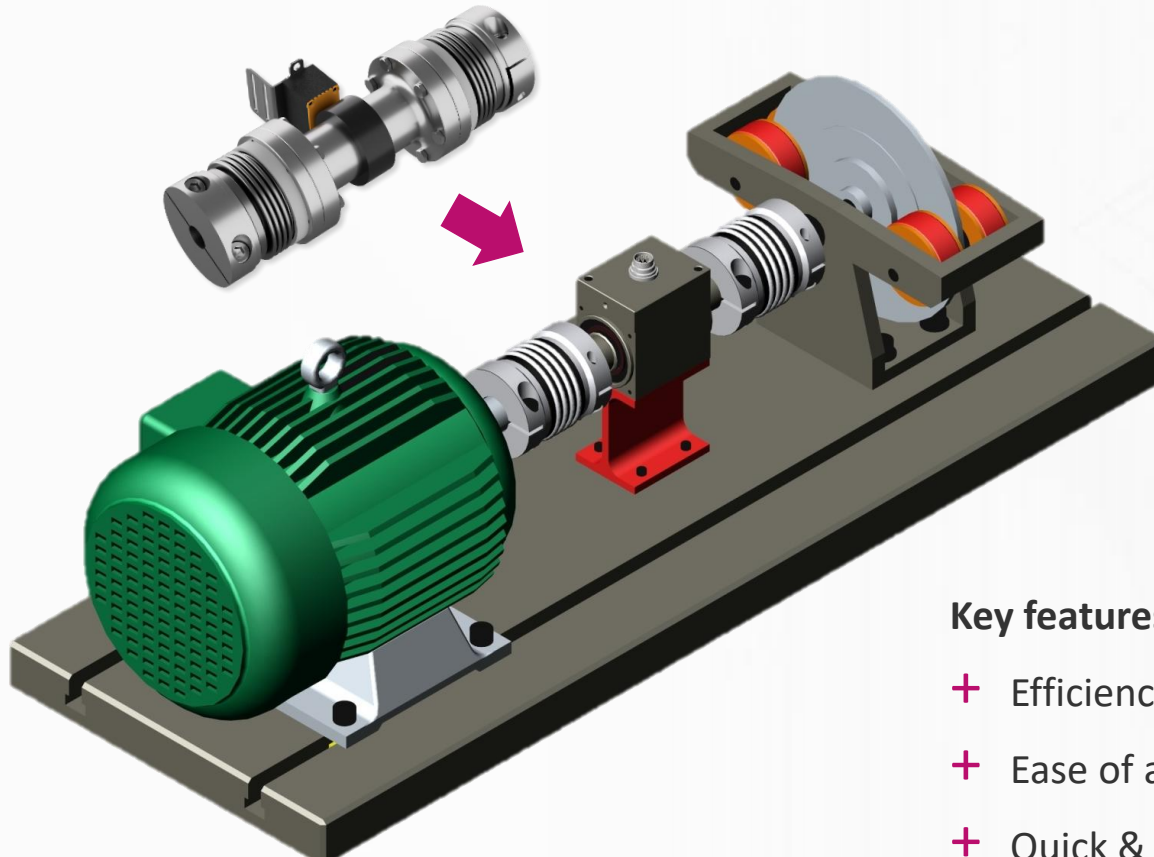
Product benefits:

- + Flexibility due to modular design
- + Best availability
- + Compact design
- + Bolted joints
- + Reusability
- + Stainless steel construction
- + Easy installation & Setting up
- + Installable everywhere in the drivetrain
- + Integrated torque limiting (optional)

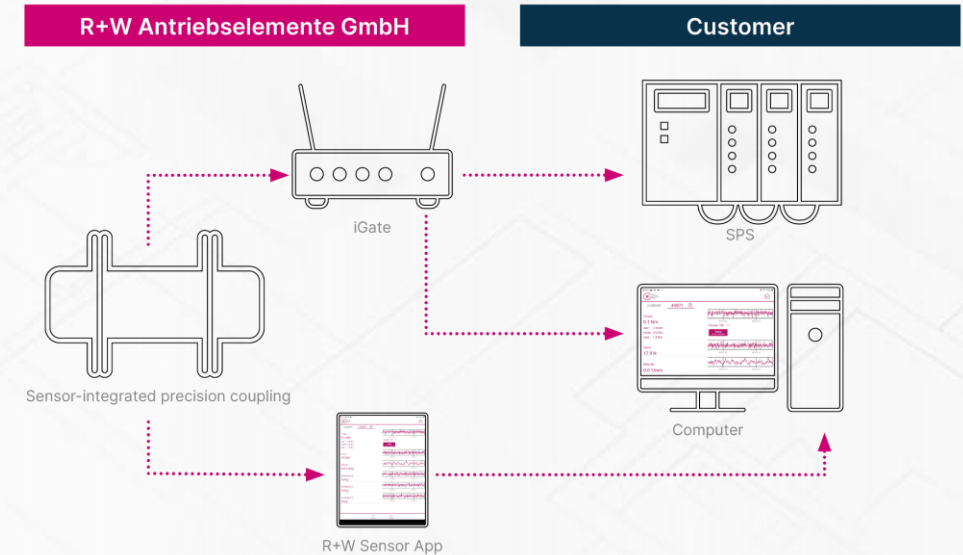


+ iPK in use

Innovative and intuitive



The measuring chain



Key features & advantages:

- + Efficiency and economy
- + Ease of assembly and setting up
- + Quick & easy access to data
- + Sourcing and flexibility

+ Application examples

Success stories

Transfer systems

Conveyor &
lifting systems

**Roll forming
lines**

**Test bench
manufacturing**



iPK in action

Test benches from NEXT Automotive
Testing

R+W THE COUPLING.

R+W THE COUPLING.
A POPPE + POTTHOFF COMPANY





**+ Interested?
Get in touch with us.**

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