

SIEMENS



Gear couplings with more torque

The economic answer to very rough conditions

FLENDER ZAPEX ZN

[siemens.com/couplings](https://www.siemens.com/couplings)

Torsionally rigid coupling with maximum flexibility

Even in severe conditions our gear couplings perform. They satisfy even highest expectations in terms of performance, reliability and flexibility.

FLENDER ZAPEX ZN® – the coupling solution designed to meet all requirements and show highest performance. It combines maximum torque and largest bores and it was especially designed for severe operating conditions

With the development of the FLENDER ZAPEX ZN highest application competency were realized. The coupling designed according to demand and performance is the most economical solution for all industry sectors subject to severest operating conditions. It meets all requirements regarding the flexibility of a coupling.

For years the Flender ZAPEX ZW and ZAPEX ZI gear couplings perform useful services in the steel industry and metallurgy, pumps, crushers, presses and mixers. They are very robust and transmit maximum forces despite its small size. The update of the ZI coupling provides even more customer benefits.

ZAPEX ZN replaces ZAPEX ZI

The new FLENDER ZAPEX ZN will be introduced at the Hannover fair 2011. It entirely replaces our very reliable ZAPEX ZI. The new coupling was developed for all applications of the ZAPEX ZI. It was conceived bringing various additional benefits to the customer.

More power and flexibility

The ZAPEX ZN concept not only includes higher torque. Individual hub cuts insure considerably higher more flexible customer orientation. This way the coupling is sooner available than the ZI having multi purpose hubs to be shortened.

Moreover the ZAPEX ZN has the additional advantage of larger bores having the highest operating ratio as well as an excellent cost/performance ratio. Further possible savings can be realized by choosing a smaller size.

Fast availability of ZAPEX ZN

The concept of the coupling satisfying the requirements along with structural improvements helps to streamline the value added chain of the production and to optimize supply processes.

Along with readily available hub variants very fast response and delivery times are possible.



The ZAPEX ZN is ideal for severest operating conditions such as in the materials handling technology

The Siemens benefit

Customers can be sure that all couplings are manufactured by Siemens in Germany. WE stand for highest quality and delivery reliability but also for first class consulting and exceptional application know-how. Being the specialists in drive technology we have the product expertise that goes far beyond couplings. The assignment and its solution have a holistic effect, which lead to partnership and trust in Siemens.



Coupling is subject to excessive stress: steel and metallurgy

The ZAPEX ZN is available in 12 sizes up to a torque of 162.500 Nm and a maximum bore of 288 mm ex stock.

Features:

- Double-jointed gear coupling compensates angular, radial and axial shaft misalignments
- Low restoring forces in case of shaft misalignments
- Small dimensions, can be used at high shock loads, with large safety reserves
- Suitable for both directions of rotation (reverse mode)

Your advantages:

- Considerably higher torque
- Large bores are possible
- Solutions tailored to requirements
- Excellent price/performance ratio
- Very short delivery times
- Individual hubs
- Extremely robust designed
- Wide range of types
- Low restoring forces in case of high permissible shaft misalignment

Fields of application:

- Heavy machinery construction
- Metallurgical engineering
- Material handling technology
- Pumps
- Compressors



Coupling suitable for potentially explosive environments.

Complies with Directive 94/9/EC for:

CE Ex I 2 GD c 120 °C (T4)

CE Ex II M2



Further information on couplings:
www.siemens.com/couplings

Contact in your area:
www.siemens.com/automation/partner

You will find further information brochures and technical descriptions on our websites under the navigation point "support"

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