

> Experience better



Face-spline joint technology

Lightweight, compact, powerful. And easy to install.

Interlocking, particularly powerful, and saving both space and weight: GKN Automotive has rethought joint connections with its innovative Face Spline technology. Where conventional solutions largely use pins, Face Spline uses splines on the front of the joint. The wider surface allows up to 50% more torque to be transmitted. And what's more, front fixation using just one screw makes installation easier than ever. This gives us an edge not only with leading premium car manufacturers, but also in the spare parts market: Our OE-quality products are also available in the aftermarket to ensure that workshops can easily repair vehicles with Face Spline hub connections.

Face Spline technology:

- > Easy to install.
- > Particularly powerful.
- > Saves both space and weight for greater sustainability.
- > Unique combination of ST technology and Face Spline connection.



Top technology for powertrains

With Face Spline, conventional solutions such as pin connections are replaced by special toothing over the entire joint face. This front toothing and its counterpart on the wheel hub mesh precisely and are centred by the cone of the Face Spline joint. The components are secured and friction-locked with just one fastening screw. Another innovative new feature of Face Spline shafts from GKN Automotive is the use of particularly space-saving diaphragm boots for sealing the rear axle, which are suitable for any application with a deflection angle of up to 25 degrees.

Lightweight, compact, powerful:

- > Face Spline technology is more compact and more lightweight than drive joints with pin connections.
- > The wide toothing over the entire joint face can help transmit up to 50% more torque.
- > The joint cone and a single fastening screw ensure a zero-clearance connection to the wheel hub and make initial installation and maintenance easier than ever.
- > The space-saving diaphragm boots allow deflection angles of up to 25 degrees on the rear axle.
- > The weight saving on the wheel reduces the unsprung mass by about 20%, which noticeably increases ride comfort and reduces fuel consumption.

Unique offering:

- > GKN Automotive is the market's only manufacturer of ST technology* in combination with Face Spline technology. Thanks to GKN, workshops across the market are able to repair vehicles with ease using Face Spline hub connections.

*Based on the countertrack® principle (opposing ball tracks with an S-shaped contour), these ball tracks in ST technology are arranged in parallel and opposing pairs. The two balls of the closely spaced parallel ball tracks share a ball cage window (twin ball). The combination of Face Spline and ST technology guarantees maximum fixed joint power and performance.



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Our sales brands:



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