

SUCCESS STORY



Creative. Visionary. Successful.

Efficient cooperation is the foundation for success. Yours and ours.

Passion for successful joining.

BÖLLHOFF

Tampering protection – for sure

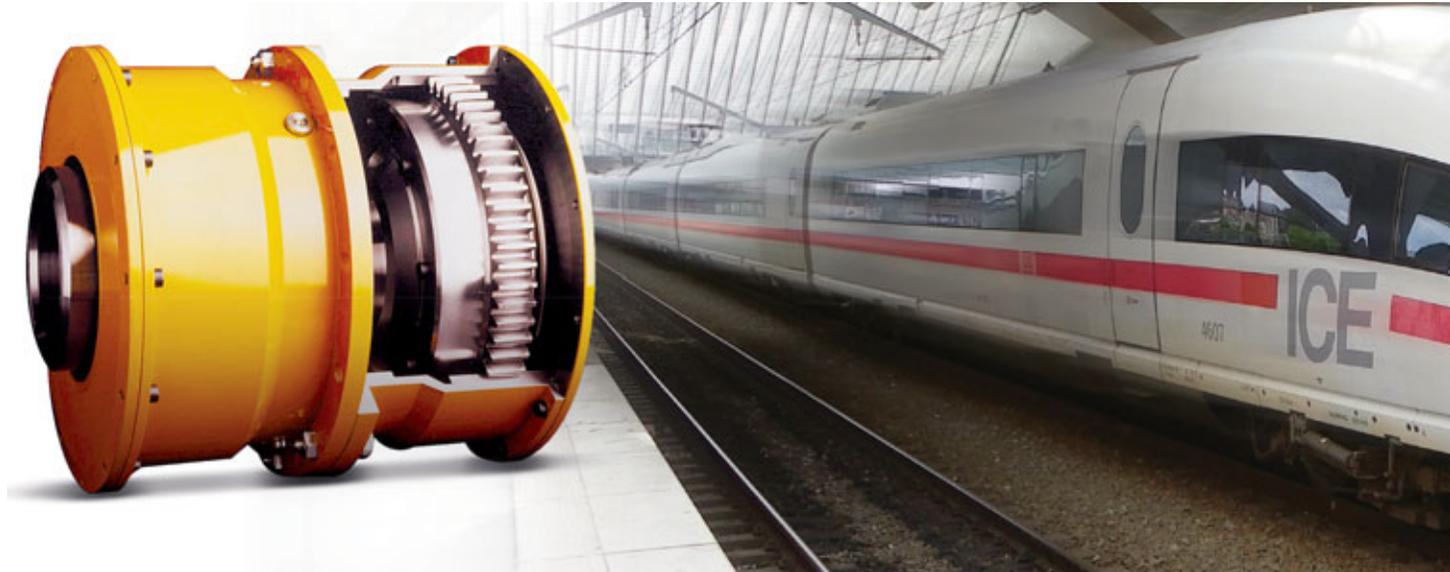


Tradition in the construction of couplings

The coupling factory in Dresden can look back on a long tradition in the field of drive technology. Founded as a repair establishment in 1887, it was already manufacturing couplings for power transmissions for steam engines among other things. The expertise and high manufacturing penetration enable KWD to ensure series production as well as project-related small series.

The focus is on RAIL drive technology

A remarkable position has been attained in rail vehicle construction in the last few years. With products that are demanding in terms of design and production technology, KWD has drive solutions with low life cycle costs (LCC) for the most diverse bogies, from high-speed trains, underground railway trains, interurban trains and trams to monorail vehicles and locomotives, which have proven themselves on all continents.



Gear coupling product

Gear coupling transmits high torques such as those required in the railway sector. However, with rail traffic there is always strong vibration to be taken into account. This means that the fasteners that are used here, such as the ones that are fixed to the flange cover (M6 x 12 here), also have to be secured with a microencapsulated adhesive so that they do not loosen by themselves in operation.

Initial situation

In railroad companies it can happen that replacement products like such couplings are stored for years before they get installed. This has led to problems in the past as the screws have loosened and even been lost in operation. This has resulted in complaints about the couplings for KWD. Following escalation meetings, it transpired that service installers of the end customer had opened the lids on some of the couplings so that the screw lock had become ineffective and the screws may loosen in operation.



The solution: PARRYPLUG® – Efficient tampering protection

PARRYPLUG® prevents interference with tools in the internal drive of the screw due to specially designed axial ribs, which ensure a defined and secure tight fit. The high-performance plastic used with its wide application range from -50° C to +200° C, combined with high manufacturing precision, ensure that even the finest tolerances of hexagon drives can be taken into account.

PARRYPLUG® is now used in the flange bolting to exclude such tampering. Should the plug be removed without authority, the warranty claim is cancelled, in the same way as with sealing, but much simpler to install. Unauthorized removal causes damage to the plug so that it cannot be put back on afterwards.

PARRYPLUG® has convinced KWD – and is now used in all applications where unauthorised opening of screws must be prevented or at least made apparent.

Have we piqued your interest? Talk to us.



Further information on our website:
www.boellhoff.com/de-en/parryplug

Customer benefits

- Reliable and convenient installation
- An optimally tight fit provides maximum protection against tampering
- Clean and visually appealing solution
- Can be removed with the appropriate tool
- Wide temperature range
(-50° C to +200° C)

Application examples

- Protection against tampering
- Prevention of dirt-collecting edges
- Aesthetic / design technology aspects
- Signalling and flag function setting
- Theft protection on solar cells
- etc.



Böllhoff International with companies in:

Argentina	Mexico
Austria	Poland
Brazil	Romania
Canada	Russia
China	Slovakia
Czechia	South Korea
France	Spain
Germany	Switzerland
Hungary	Thailand
India	Turkey
Italy	United Kingdom
Japan	USA

Apart from these 24 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.

Archimedesstraße 1–4 · 33649 Bielefeld · Germany · Phone +49 521 4482-03 · Fax +49 521 449364
www.boellhoff.com · info@boellhoff.com

