



Components & Materials

Güde GmbH

Siemens Is Building Egypt's New High-Speed Rail Network

Güde Is Supplying Safety-Critical Connection Technology

Egypt is partnering with **Siemens Mobility** to realise **one of the world's most ambitious rail infrastructure programmes**: the construction of a new high-speed network spanning **approximately 2,000km**. Once completed, this network will connect more than 60 cities across the country and provide **around 90%** of the population with access to modern, fast and sustainable mobility. The project represents a fundamental transformation of Egypt's transportation landscape and sets new standards for efficiency, safety, and environmental performance in the region.

The network consists of three major corridors that will link Egypt from north to south and from east to west. Siemens Mobility is supplying a comprehensive portfolio of technologies and systems for this undertaking, including Velaro high-speed trains, Desiro regional trains, Vectron freight locomotives, state-of-the-art signalling technology, full electrification and turnkey infrastructure solutions. This integrated approach ensures that all components – from rolling stock to control systems – are perfectly aligned to deliver maximum reliability and long-term operational stability.

We are proud that **Güde** safety-critical components, such as **our sperrkant spring washers BN 208 012**, are already being used in the first completed sections of the line. In a project of this scale, every fastening element must meet exceptionally high requirements for vibration resistance, long-term durability and operational safety. Our products are designed precisely for such demanding environments. They help ensure that mechanical connections remain secure under dynamic loads, extreme



temperatures, and continuous high-speed operation – conditions that are typical in modern railway systems.

For Güde, participation in the **Siemens Egypt** project is more than a business milestone; it is a confirmation of our long-standing expertise in railway fastening technology. As a company with decades of experience in supplying safety-relevant components for international rail programmes, we are honored to contribute to a project that will shape mobility for millions of people.



**Sperrkant
spring washer**
BN 208 012-6

**Contact
washer**
NF E25-511

**Sperrkant
washer**
BN 208 010-8

We move trains!



InnoTrans Berlin
22.-25.09.2026
Hall 25 Booth 170



DIN 127
Double

NF F 50-001
WL 18 - WL 30

FE 6

FE 7

FE 19

FE 20
Special spring washers
according to drawing

Güde – Retaining Elements for the Railway Industry Worldwide

For decades, Güde GmbH has been synonymous with precision, reliability and deep technical expertise in the production of retaining elements for rail vehicles and railway infrastructure. Our components are used across the globe – from Berlin and London to Shanghai and beyond. Wherever safety, quality and long-term durability are essential, Güde is a trusted partner for manufacturers, operators and infrastructure providers.

A significant part of our portfolio is based on standardised spring washers manufactured according to Deutsche Bahn specifications, including **DB log 30.7000, BN 208 012**, and **BN 208 010**. These components are essential in ensuring secure, vibration-resistant connections in both rolling stock and track infrastructure. In addition to these established standards, we offer a wide range of customised solutions tailored to specific technical requirements. Whether larger diameters, reduced installation heights, single, double or triple-wound geometries, or special materials – our production processes allow us to meet customer specifications with maximum precision and efficiency. Where technically feasible, we manufacture exactly according to customer drawings, from unique prototypes to large-scale series production.

Our state-of-the-art manufacturing technology, combined with extensive material expertise and rigorous quality assurance, enables us to supply international railway projects that must comply with the highest safety and performance standards. Güde retaining elements are used in high-speed rail networks, metro systems, freight corridors and critical infrastructure projects worldwide. Their reliability under dynamic loads, extreme environmental conditions and long service lifetimes makes them an essential part of modern rail engineering.

As the railway industry continues to evolve – driven by digitalisation, sustainability goals and global infrastructure expansion – Güde remains committed to delivering fastening technology that meets the demands of tomorrow. Our products help ensure that rail systems around the world operate safely, efficiently and sustainably.

Güde – fastening technology that builds trust worldwide.

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Güde GmbH – Approved Supplier of Deutsche Bahn AG

Tradition, Precision and Partnership – Since 1948

For more than **seven decades**, our family-owned company stood for uncompromising quality, reliability and continuity in the field of fastening solutions. Since our founding in **1948**, Güde has earned international recognition as a trusted

manufacturer of spring washers and a broad range of precision-engineered connecting elements.

Looking ahead, we are pleased to once again participate as an exhibitor at **InnoTrans 2026 in Berlin (Hall 25, Booth #170)**. Our first appearance two years ago was a significant milestone for our company. Presenting Güde alongside the major players of the industry at the world's leading trade fair for railway technology was both impressive in scale and a moment of pride for our team. With decades of expertise in the railway sector, we are well prepared to showcase our capabilities and continue strengthening our position within this highly specialised market.

Since 2010, Güde GmbH has been an **approved supplier of Deutsche Bahn AG** for **sperrkant spring washers (BN 208 012)** and **sperrkant washers (BN 208 010)** – a milestone that marked the beginning of our long-term success in the railway sector. Over the past 16 years, we have continuously expanded our expertise, strengthened our partnerships, and proven our reliability in countless national and international rail projects. In 2025, we achieved another important qualification milestone: Güde received the **HPQ approval of Deutsche Bahn for railway superstructure spring washers (e.g. FE6 log 30.7000, FE 7 lotkv 4a, FE15 lotkv 14, FE19 lotkv 114)**, further underscoring our technical competence and our commitment to meeting the highest safety and documentation standards in railway infrastructure.

Our customers have trusted us for decades, and we continue to support them with a strong portfolio of railway-specific fastening solutions – all manufactured with precision, consistency and deep material expertise. This combination of technical know-how and long-standing industry experience positions us as a reliable partner for both vehicle and infrastructure applications.

Even as global challenges intensify – including evolving regulatory frameworks such as CBAM – we remain confident in our ability to adapt and continue delivering excellence. Our long-standing commitment to **quality, flexibility, rapidity** and **reliability** forms the foundation of our success. These principles are the reason we are able to supply more than **2.7 billion components per year worldwide**, and they continue to guide our actions as we navigate an increasingly complex and dynamic market environment.

Trust in Güde, many others do.

