



# GÜDE

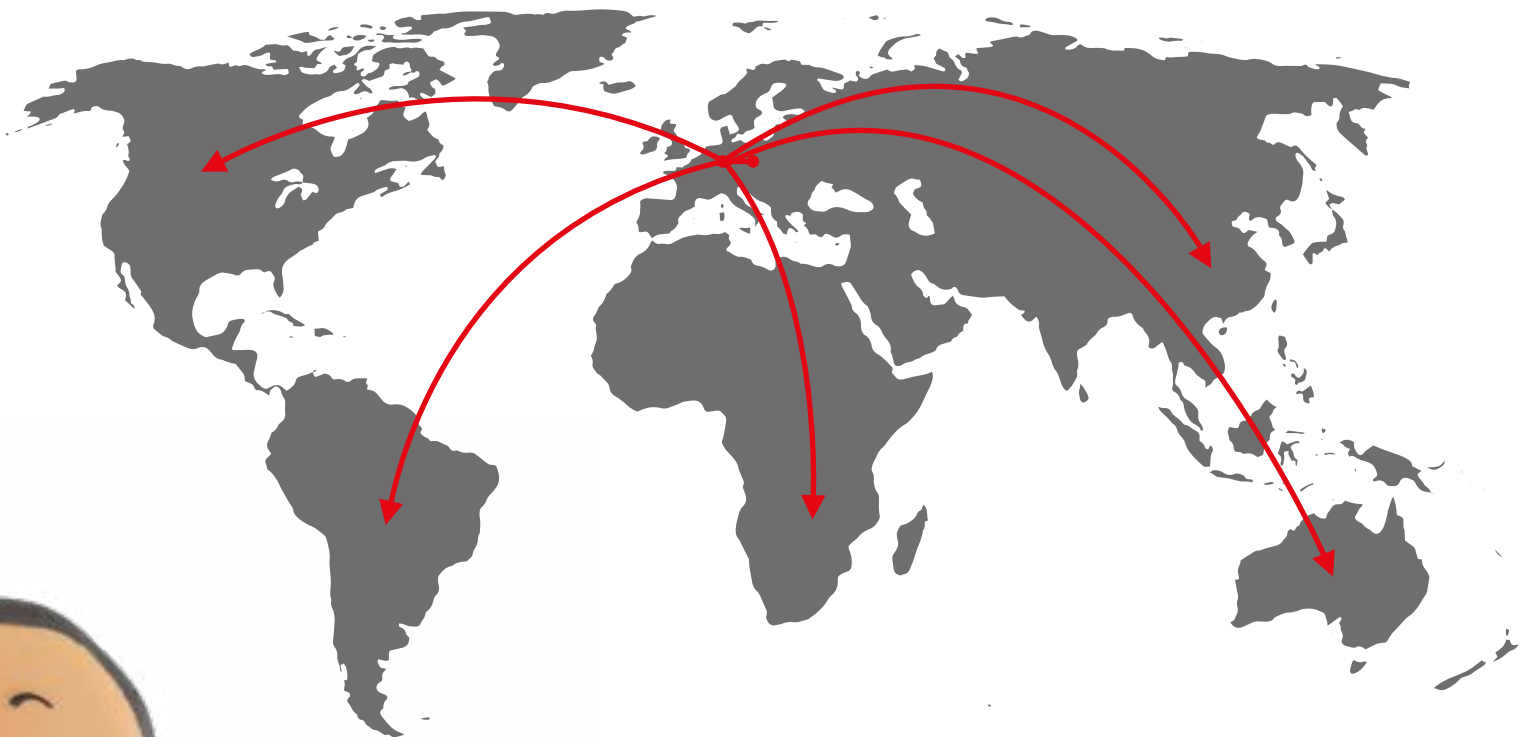
Spezialfabrik für Schrauben-  
und Wellensicherungen



ENGLISH



# From Europe to the world



## Split lock washers from Germany and Poland!

Split lock washers are produced in Asia!" We often heard this argument. And just as often refuted. For more than 75 years, we have been producing as a family business in Germany, since 2021 also in Poland, being competitive on the global market.

### Three GÜDE decisions

**We produce in Europe** and deliver worldwide. Thanks to long-running series and streamlined logistics processes, we are more cost-effective while maintaining consistently high product quality.

**We build our machines and tools ourselves**, so we remain fast and flexible.

**We continue to invest.** We have just completed our new mini load system, a fully automated small parts warehouse (AKL). 12,500 storage locations are now available and will improve our delivery performance.



*GÜDE mini load system*



*Box packaging*



## Standard parts - special parts: We can do that

We manufacture billions of products every year. Most of these are standard parts. The proportion of special dimensions and customised parts is also constantly increasing. We are prepared for this growth and are ideally positioned with 12,000 square metres of covered space, 5,000 pallet bays and a state-of-the-art small parts warehouse with 12,500 small load carrier bays.

## Easy to deliver

98% delivery capability - typical Güde. Because for most of our customers, our products are „only“ C or even D parts. They only become important when they are missing. We know this and have adapted our processes accordingly: We don't usually produce to order, but rather to stock. This enables us to deliver quickly when required.

## Simple packaging

Many of our customers are distributors. „Packaging“ is always an issue there: as customised as possible in the desired packaging type and quantity. This is what drives us, which is why we have state-of-the-art packaging machinery at our disposal.



*Bulk packaging*



*Bag packaging*

# Split lock washer



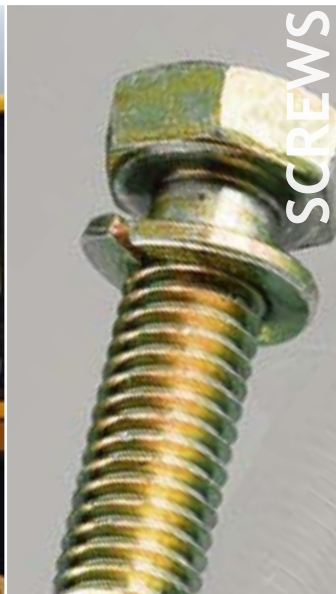
AXLES



DISTRIBUTION



COMMERCIAL VEHICLE  
CONSTRUCTION



SCREWS



**Sperrkant  
spring washer**  
A / Z



**Sperrkant  
spring washer**  
Captive



**DIN 6905**  
Captive



**DIN 43699**



**DIN 6913**



**DIN 127**  
A / B  
Open / Flat



**DIN 127**  
Double



**DIN 128**  
A / B  
Convexed / Corrugated



**DIN 7980**  
High tension



**JIS B 1251**



**ASME B18.21.1**  
Alloy / Heavy / Heavy Extra Duty /  
Light / Regular



**BS 1802 / BS 4464**  
A / B / D



**NF E 25-515/-516/-517**  
NF F 50-001



**UNI 9195/10188**



**DIN 7993 A / B**  
**DIN 9925 / DIN 9926**  
For shafts / For drillholes



**DIN 74361 C**  
Limes type conical  
Lock washer Form C



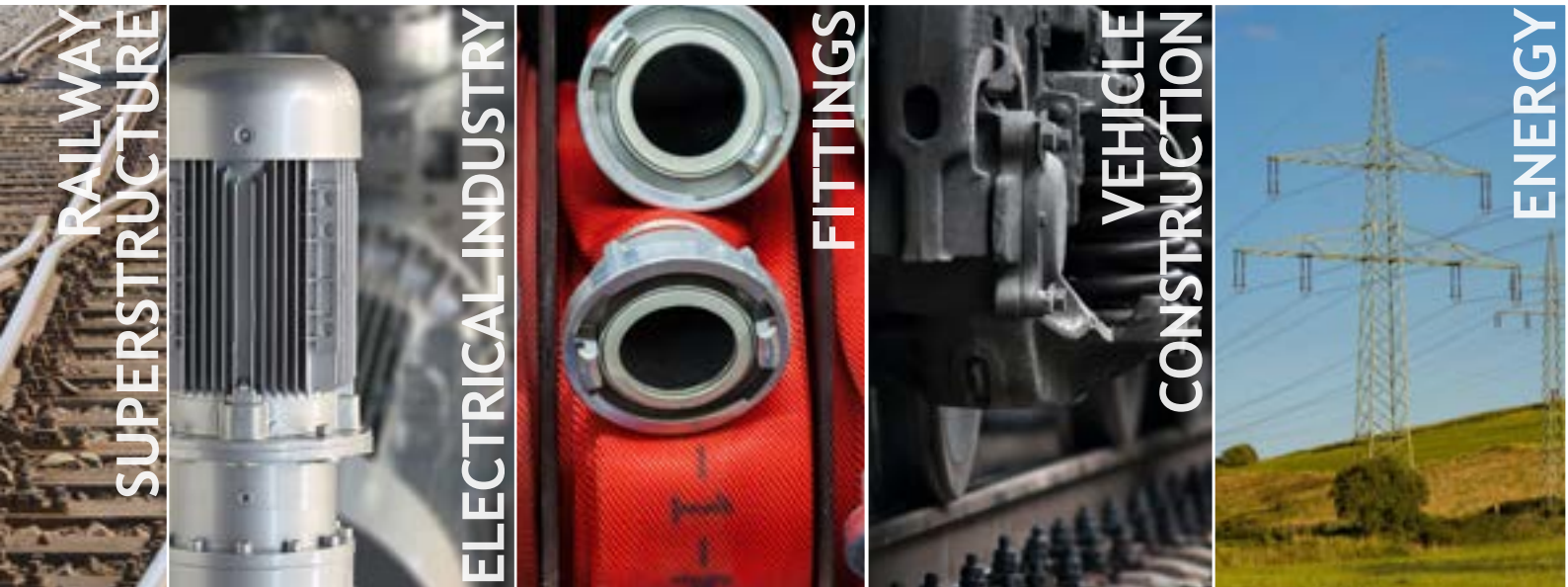
**Centring ring**



**Railway superstructure**  
Single / Double / Triple



# Washers



DB BN approved



**Sperrkant washer**

S / M / B / K / Z

Slim / Medium / Wide / Toothed / For cylinder head screws



**DIN 6796**

Conical washer M3 - M36



**DIN 7967**

Row 1 / Row 2 / Row 3



**Contact washer NF E 25-511**

S / M / B / K

Slim / Medium / Wide / Toothed



**DIN 6797**

A / I / V

Outside / Inside / Countersunk



**Doubled toothed lock washer**



**DIN 6798**

A / I / V

Outside / Inside / Countersunk



**DIN 137**

A / B

Curved / Crinkled



**DIN 6319 C**



**DIN 6319 D**



Customized parts



Spring washer M2

Spring washer M100

## Tough - but the right way

An under-hardened spring washer lacks spring force, an over-hardened one breaks under load. It all depends on the right hardness. That is why we have always had the hardening process in-house. In the 1950s, we used two self-built ovens, but today we operate a fully automated hardening plant that runs around the clock.

The fact that we document the hardening process of individual product batches precisely is no mean feat. Others do that too. However, we are able to set customised hardness levels flexibly and, above all, quickly. This time advantage in hardening is what our customers appreciate about us.



**Spring steel**



**Stainless steel**



**Bronze**



**Aluminium**



Oiled



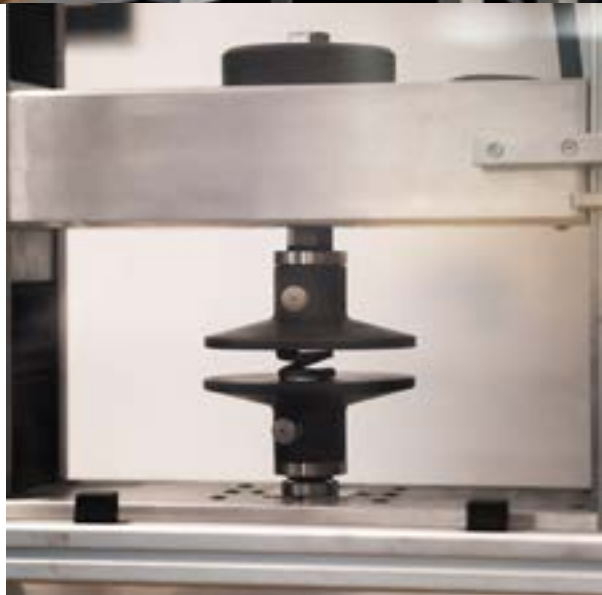
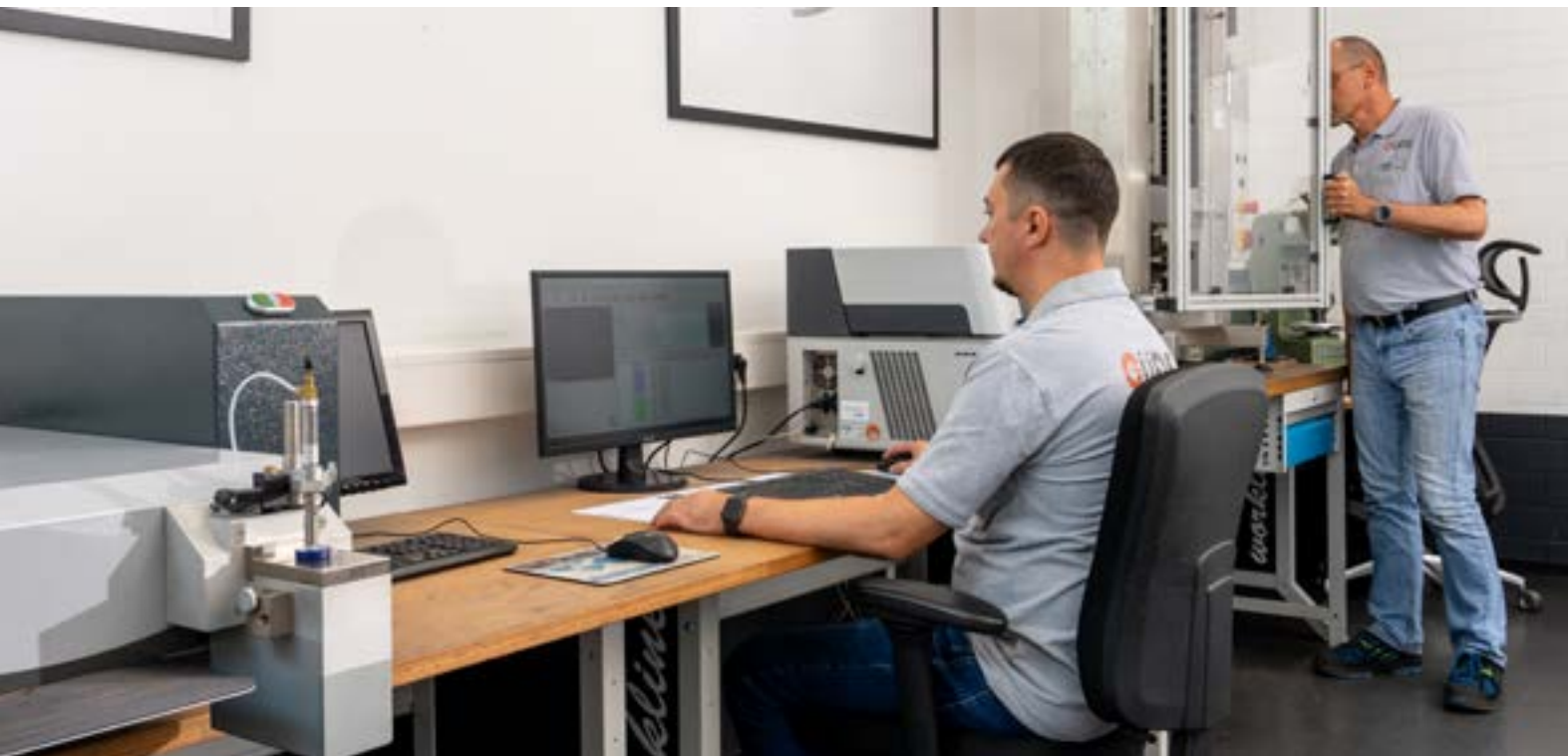
Mechanical zinc plated white



Mechanical zinc plated yellow Cr6-free



Nickel



## The proof makes it

Quality certificates and documentation are essential. This is why we have continuously expanded our QA department: In terms of personnel and our testing facilities.

Spectral analyses, hardness, tensile and pressure tests as well as optical dimensional tests are the basis for ensuring that we can meet our own Güde quality standards and the high customer requirements.

## Protected shell: Hard core

The following applies to almost all of our products: The surface must be protected from external influences. For special parts in particular, the surface treatment process is always a challenge that we can master and document: With our own salt spray test chamber and an X-Ray measuring instrument. This is how we guarantee the highest Güde quality.



Plated



Electro  
galvanized



Hot-dip  
galvanized



Zinc-flake



## Well thought out is half done

Unnecessary process costs are expensive and can be avoided. To do this, however, the individual company processes must be scrutinised and readjusted again and again. We do this constantly in the interests of our customers through internal and external audits. This ensures complete documentation of all processes and materials.

That is why we are certified according to:

DIN EN ISO 9001	DIN EN ISO 14001	DIN EN ISO 50001
DB HPQ	Pro Rail SPC	
DB BN 208010	DB BN 208012	



BN 208 010-8  
Sperrkant  
washer

BN 208 012-6  
Sperrkant  
spring washer

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