

# ZOLLERN

Solid metals. Fine solutions.

Steel profiles

Weapons  
technology





# Maximum precision in design

In a production area covering almost 20,000 square metres, ZOLLERN processes 200 different materials selected for specific applications into first class steel profiles. Six million meters steel profiles are produced here each year by qualified specialists using the latest technology. ZOLLERN custom manufactures its products according to specific customer requirements.

That is why 8,000 different steel profiles have been produced to date, and this number is increasing every day.

## **Features and benefits of ZOLLERN steel profiles**

- 100% quality
- 60% material saving
- Supreme surface quality
- Unique mechanical properties
- Perfect dimensional accuracy and reproducibility
- Conservative use of available resources throughout the entire production chain
- Contribution to reduction in costs

# Individual design

## Cost-effective solutions

ZOLLERN steel profiles are produced in close collaboration with the customer. Thanks to the wide-ranging design options for steel profiles, there are virtually no limits to the construction possibilities. Steel profiles make cost-effective solutions possible, even with individual designs.

### Steel profiles for weapon technology

- Technological properties specifically tailored to the customer application (for example 1200 MPa)
- Near-net-shape manufacturing reduces machining to a minimum
- Excellent homogeneity, continuous grain structure provide a high durability
- Minimal distortion by specific straightening methods
- optimal further processing because of targeted heat treatment under inert gas





### **Product examples**

Locking pieces, block locks, trigger, profiles for gas pressure loader, picatinny rails, slides for pistols, low profile gas block.

# ZOLLERN steel profiles

## Product range

### **Profile types**

Hot-rolled, cold-rolled, cold-drawn, induction-hardened

### **Cross sections**

Profile cross sections from 5 to 6,000 mm<sup>2</sup>  
(40 g/m to 48 kg/m)

### **Delivery options**

Bars up to 12 m  
Rings up to 2 t

### **Dimensional tolerances**

From 30 µm

### **Surface roughness**

From Rz 5 µm

### **Materials**

Structural steels, free-machining steels, case-hardened steels, quenched and tempered steels, rolling-bearing steels, tool steels, stainless steels

### **Processing**

Heat treatment, induction hardening which can achieve a surface hardness of up to 64 HRC, ready-to-fit components including mechanical processing and surface finishing



# **ZOLLERN**

**ZOLLERN GmbH & Co. KG**

Hitzkofer Strasse 1  
72517 Sigmaringendorf-Laucherthal  
Germany

T +49 7571 70-0

F +49 7571 70-602

info@zollern.com

www.zollern.com