

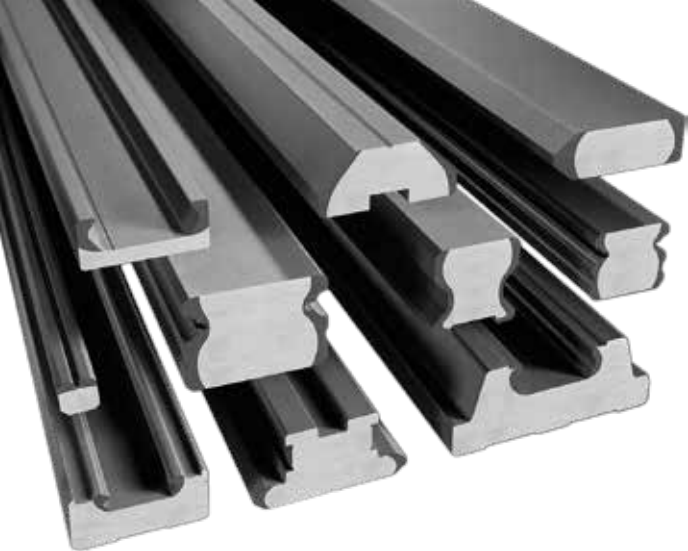
ZOLLERN

Solid metals. Fine solutions.

Steel profiles

General
mechanical
engineering





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
- 1200 MPa after cold drawing
- 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.

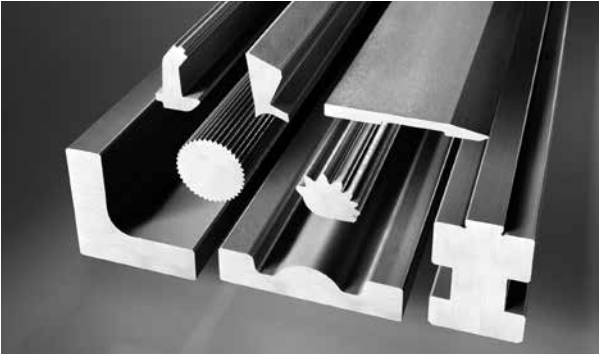
Steel profiles for mechanical engineering

- Near-net-shape manufacturing reduces machining to a minimum
- Technological properties specifically tailored to the customer application
- High fatigue properties and a long service life
- Incredible dimensional accuracy even with complex profile shapes
- Minimal distortion by specific straightening methods

Product examples

Sliding blocks, gearwheel profiles, jaw chuck profiles, guide oil, gripper profiles, slide rails, chip deflectors, deflection aids, drop profiles, spline, kelly bars, pinion profiles, draw rolls, lock cylinders, and much more.





ZOLLERN steel profiles are used in all mechanical engineering industries, such as machine tools, textile machinery, printing presses, pump manufacture, or even in the construction industry.



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 mm²
(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



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