



ZOLLERN

Solid metals. Fine solutions.

Special profiles and
ready-to-fit components

Welded
profiles



Precise,
cost-efficient,
ready for
installation.

Reliability and partnership

»» Technology matters
and partnership
makes the difference. ««

We offer you:

- Planning reliability
- Co-engineering
- Feasibility and cost-effectiveness analysis
- Stable and reliable delivery performance

We support you from the initial concept through to the production-ready product – and beyond.





High-precision welded profiles

Welded profiles combine design flexibility with production precision. Laser welding technology produces flexible basic geometries, which are then cold-drawn in the next step. The result:

- **Precise**
- **Dimensionally stable**
- **Surface-finished**

special profiles that minimize weight and significantly reduce machining effort.

Our laser-welded profile solutions, with **wall thicknesses from 0.8 to 10 mm**, deliver exceptional quality and maximum design flexibility for demanding applications.

From development through to series delivery and beyond, we remain at your side as a reliable partner.

Possible profile shapes and materials

- U profiles
- L profiles
- I profiles
- T profiles
- Special profiles according to drawing

Structural steels, stainless steels, conditionally weldable: case-hardening steels, quenched and tempered steels

Excellent surface quality of visible and functional surfaces

A high-quality surface is often crucial – whether to meet technical requirements or aesthetic expectations.

Our profiles feature:

- Consistent quality across the entire surface
- Smooth, refined surfaces
- Invisible weld seam through cold forming

Highest dimensional accuracy – precise fit without rework

- Precise fit
- Tightest tolerances
- Minimal torsion and excellent linearity due to low thermal deformation
- Outstanding seam quality without post-processing
- Consistently reproducible quality



Superior technical performance

Our profiles deliver reliable performance – even under demanding conditions:

- High mechanical properties through cold drawing
- Uniform component properties over the entire length
- High wear resistance thanks to a hardness of up to 64 HRC



Cost-effective thanks to an efficient process

We combine laser welding and cold drawing into a particularly cost-effective process route.

As a result, you benefit from:

- Reduced material use of up to 60%
- Significantly fewer machining steps
- Short lead times



Special profiles
and ready-to-install
components



ZOLLERN-Products



ZOLLERN-worldwide

ZOLLERN

ZOLLERN GmbH & Co. KG

Hitzkofer Strasse 1
72517 Sigmaringendorf-Laucherthal
Germany
T +49 7571 70-0
zst@zollern.com
www.zollern.com

