



# Tubes & Profiles



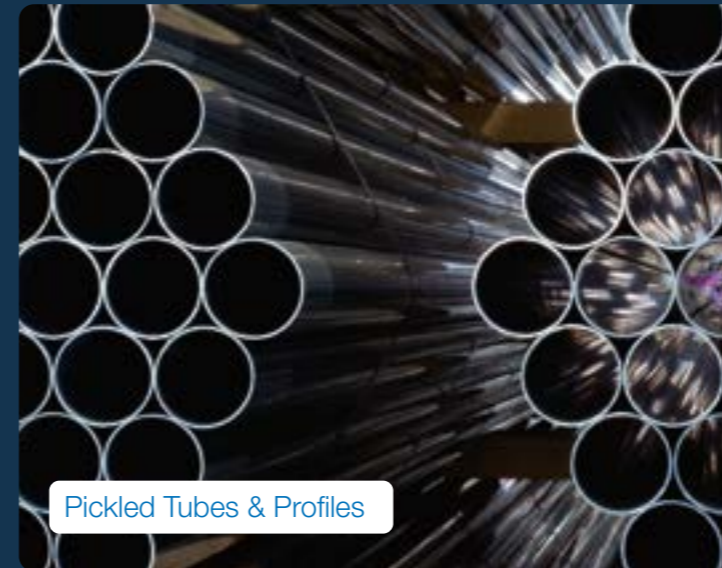
### Steel. For 150 years.

For 150 years, the name Wuppermann has stood for quality in the highly qualified processing and refinement of steel. Since its foundation in 1872, the medium-sized family business has continuously developed into an innovation leader in corrosion protection. The product portfolio includes flat products, tubes, profiles and tube components made of steel.

The Wuppermann Group employs around 800 people at five production sites and achieved a turnover of 664 million euros in 2023.



## Tubes and profiles from Wuppermann



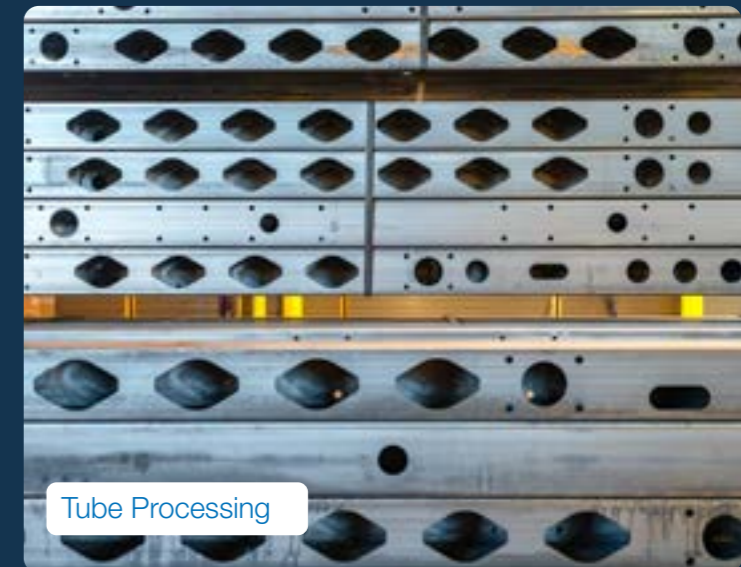
Pickled Tubes & Profiles



Galvanized Tubes & Profiles



Black Tubes



Tube Processing



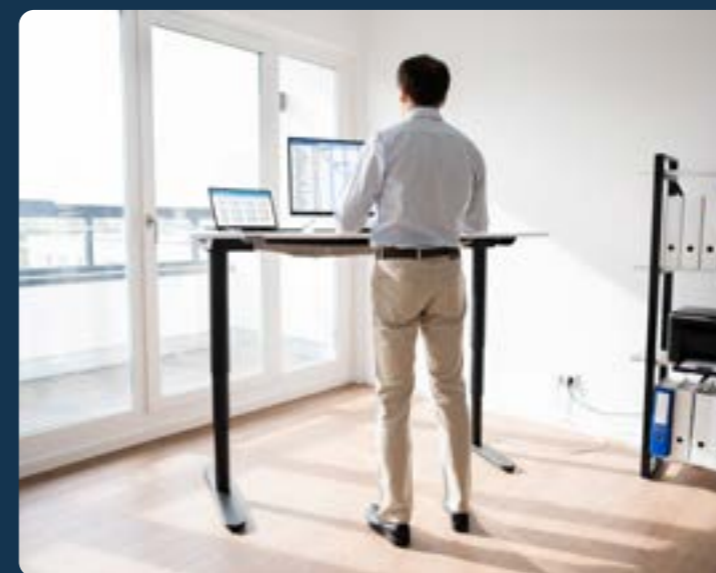
## When it comes to steel tubes, we have a solution for just about every challenge

Because we can produce the optimum starting material ourselves, because we can manufacture versatile and precise products on our tube lines and because a comprehensive range of machinery with the latest technology offers us a practically unlimited variety of possibilities.

In addition to all common standard profiles and dimensions, our own tube production allows us in particular to manufacture unusual cross-sections, unusual wall thicknesses and high zinc coatings. Versatility and flexibility are the focus of our tube production. It goes without saying that cost-effectiveness must also be a winner.

## The products of Wuppermann are used in the most diverse sectors of industry

- // Furniture industry
- // Solar & energy technology
- // Storage technology
- // Silo construction
- // Profile production
- // Construction
- // Environmental engineering
- // Automotive industry
- // Vehicle restraint systems



## Galvanized tubes & profiles

Thanks to its own strip galvanizing process, Wuppermann manufactures galvanized tubes and profiles with very tight tolerances and customer-specific zinc coatings or differential galvanizing. With its heat-to-coat strip galvanizing process, Wuppermann achieves uniquely high zinc or zinc-magnesium coatings and thus outstanding corrosion protection. Compared to piece galvanizing, strip galvanizing not only has an economic advantage, but equally a sustainable process advantage.

### Details and quality-relevant key data

#### Dimensions

<b>Round tube</b>	Ø 30 - 115 mm inch formats 1" bis 4"
<b>Rectangular tube</b>	10 x 40 - 50 x 130 mm
<b>Square tube</b>	25 x 25 - 90 x 90 mm
<b>Profiles</b>	Profile height: max. 80 mm resp. min. 25 mm / max. 140 mm Profile width: min. 20 mm / max. 200 mm resp. min. 25 mm / max. 300 mm
<b>Tube lengths</b>	50 - 15,000 mm
<b>Wall thickness</b>	1.50 - 4.00 mm
<b>Wall thickness tolerances</b>	up to +/- 0.05 mm

#### Quality data

**Certification according to ISO 9001:2015, ISO 14001, ISO 45001, ISO 50001**

**EN 10219, EN 10305 part 3 & 5, EN 10217-1, EN 12899-1, further standards on request**

**Certificate of compliance with EN 10204 3.1**

**Pre-material from our own strip galvanizing**

**Optimum zinc and ZM adhesion (Wuppermann process)**

**Zinc coatings up to Z1300 (corresponds to 90 µm/side)**

**Zinc-magnesium coatings up to ZM1200 (corresponds to 96 µm/side)**

**Differential galvanizing at a ratio of 2:1 (e.g. outside 50 µm / inside 25 µm)**

**Galvanized punched holes**

**Flexible hole pattern for perforated steel profiles**

**Weld seam position freely selectable**

**Continuous inline thermographic inspection of the weld seam**

**Continuous inline tube measurement**

**Continuous inline eddy current testing**

**Own pressure test up to 150 bar**

Current  
Delivery  
Programmes





## Pickled premium tubes and profiles

Tubes, profiles and tubular components made of pickled steel - including high-strength steels, complex-phase steels and duplex steels - meet the most diverse requirements: From pure components to ready-to-install solutions, from simple cross-sections to sophisticated special profiles. Our comprehensive range of state-of-the-art machinery and the know-how of our employees enable a multitude of feasible solutions. Our product range includes round tubes, elliptical tubes, oval tubes, triangular tubes and profile tubes.

### Details and quality-relevant key data

#### Dimensions

<b>Round tube</b>	Ø 28 - 95 mm
<b>Rectangular tube</b>	30 x 15 - 100 x 50 mm 70 x 10 - 100 x 50 mm
<b>Square tube</b>	25 x 25 - 75 x 75 mm
<b>Semi-oval tube</b>	35 x 25 - 80 x 30 mm
<b>Octagonal tube</b>	Ø 30 - 70 mm
<b>Triangular tube</b>	30 x 30 x 30 - 70 x 70 x 70 mm
<b>D-shaped tube</b>	35 x 20 - 70 x 35 mm
<b>Elliptical-oval tube</b>	35 x 20 - 90 x 30 mm
<b>Flat sided oval tube</b>	34 x 17.5 - 100 x 25 mm
<b>Tube lengths</b>	50 - 12,000 mm
<b>Wall thickness</b>	1.00 - 3.00 mm

### Quality Data

**Certification according to ISO 9001:2015, ISO 14001, ISO 45001, ISO 50001**

**EN 10219, EN 10305 Part 3 & 5, other standards on request**

**Certificate of compliance with EN 10204 3.1**

**Continuous inline thermographic inspection of the weld seam**

**Continuous inline tube measurement**

**Continuous inline eddy current testing**

**Wall thickness tolerances up to +/- 0.02 mm**

**External and internal tolerances less than +/- 0.1 mm**

**Weld seam position freely selectable**

**Shaved inner seam**



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## Black tubes

We offer high quality tubes such as round tubes, square tubes, rectangular tubes and oval tubes, made of high strength structural steels up to S460 and beyond. We always respond to the wishes of our customers, so that our products are used in the most diverse industries.

Our black steel tubes are used, for example, in the manufacture of scaffolding, sprinkler tubes and idler rolls and light steel structures for bridge building. Our black tubes are also used in mechanical engineering, gate construction, fence construction, agricultural engineering and hall construction.

### Details and quality-relevant key data

#### Dimensions

<b>Round tubes</b>	Ø 28.0 - 88.9 mm inch formats 1" bis 3"
<b>Rectangular tube</b>	30 x 18 - 80 x 40 mm
<b>Square tube</b>	25 x 25 - 60 x 60 mm
<b>Flat sided oval tube</b>	50 x 30 mm
<b>Tube lengths</b>	3,000 - 12,000 mm
<b>Wall thickness</b>	1.00 - 3.50 mm
<b>Fixed lengths</b>	300 bis 3,000 mm (tolerances +/- 0.5 mm)

Current  
Delivery  
Programmes



### Quality data

**Certification according to ISO 9001:2015, ISO 14001, ISO 45001, ISO 50001**

**EN 10219, EN 10305 part 3 & 5, EN 10217-1, further standards on request**

**Certificate of compliance with EN 10204 3.1**

**Continuous inline thermographic inspection of the weld seam**

**Continuous inline eddy current testing**

**Weld seam position freely selectable**

**Shaved or smoothed internal weld seam**





## More than just a tube due to Wuppermann prefabrication

Thanks to the extensive knowledge and experience of our employees and our state-of-the-art equipment, we can fulfil virtually all of our customers' tube processing requirements. We manufacture a wide variety of tube and fixed lengths from high-quality raw material. From tubes to ready-to-install components or complex assemblies - by using a wide range of processing techniques, such as welding, bending, brushing, polishing or surface finishing by powder coating, each of our products stands for the highest quality and functionality.

### Our services



Tube bending parts



Tube laser



Welding components



Digital 3D measurement

## Core technologies and key data

<b>Tube lengths</b>	from 3,000 to 14,000 mm
<b>Fix lengths</b>	from 20 to 3,000 mm
<b>Laser cutting</b>	to 180 mm diameters
<b>Further processing</b>	Roll grooves, sawing, punching
<b>CNC tube bending</b>	to diameters of 50 mm
<b>Robot welding</b>	WIG/TIG and MIG/MAG systems
<b>Stainless steel</b>	Sanding, brushing, wet polishing, Brushing after sanding
<b>Pickled steel</b>	annealing (outsourced)
<b>Surface finishing</b>	e.g. powder coating
<b>Assembly</b>	







STEEL | ENVIRONMENT  
**PROTECTION**

## Sustainable production as part of our self-image

At Wuppermann, we understand sustainability to be a form of ecological and economic action that ensures comparable or better living conditions for present and future generations. As a family-owned company with a long tradition, we feel an obligation to future generations and set ourselves ambitious and concrete goals in climate protection: The production process for the Wuppermann Group is to be 100% CO<sub>2</sub> neutral by 2027.

## Low CO<sub>2</sub> emissions in tube production

The Wuppermann Group has commissioned the renowned Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT to assess the environmental impact of the tube mills. The tube production facilities impress with low CO<sub>2</sub> emissions in the manufacturing process. The two Austrian sites in Altmünster and Judenburg benefit from the purchase of electricity from hydropower and wind power as well as their own electricity generation using photovoltaic systems.

The life cycle assessment based on DIN EN ISO 14040 considers the environmental impact as the climate effectiveness of the tube production process in tonnes of CO<sub>2</sub> equivalents per tonne of longitudinally welded steel tube (t CO<sub>2</sub> -eq./t). In Judenburg (Austria), the tube manufacturing process produces 0.014 t CO<sub>2</sub> -eq./t, in Altmünster (also in Austria) 0.042 t CO<sub>2</sub>-eq./t and in Małomice (Poland) 0.070 t CO<sub>2</sub> -eq./t. The two main reasons for the difference between the two Austrian plants are the areas of transport and packaging. Not included in this consideration is the environmental impact of the starting material hot-rolled strip or pickled or galvanized hot-rolled strip.

With the life cycle assessment, Wuppermann can provide its customers with important information about the CO<sub>2</sub> footprint of its own tube production. At the same time, fields of action can be identified through which environmental impacts in the area of tube and profile production can be further reduced. The avoidance of CO<sub>2</sub> emissions in our manufacturing processes is a key differentiating feature and is therefore now an integral part of Wuppermann's strategy - with the clear aim of avoiding all directly caused emissions as soon as possible.



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Ansprechpartner/in finden:

