



Special profiles made of steel

Precision-manufactured solutions for your
specific requirements.



Special profiles by Mannstaedt

Steel moulded to your needs

Mannstaedt GmbH is a world leader in hot-rolled steel special profiles. This GMH Gruppe company supplies customised profiles to many different sectors around the world for the manufacture of components and finished products.

Mannstaedt manufactures custom-made products in various sizes and steel grades tailored to customer's requirements. This is a benefit to customers because the further processing and finishing of their components and finished products save time and money. Additional processing steps are eliminated, the weight of end products is reduced, and dimensional accuracy increased. Our expertise is from decades of experience in forming steel and applies in the areas of metallurgy, engineering, roller design, hot rolling, and further processing.

Mannstaedt keeps industries moving

While working collaboratively with its customers, Mannstaedt develops and supplies products which meet all their customers' requirements. This includes special material properties, straightness, twist and bar or piece lengths as well as excellent surface quality. In addition to hot rolling, Mannstaedt also offers a range of other processing steps such as cold drawing, welding, sawing to fixed lengths, shot blasting, milling and coating. Furthermore, we do provide a range of standardised products. Mannstaedt is, therefore, the first port of call for many customers from various market sectors around the world, such as the automotive industry, materials handling industry, warehousing and conveying technology, construction machinery and commercial vehicles industry, construction industry, and agricultural machinery industry.

Cutting-edge rolling mills for an extensive range of products

Versatile production

Our rolling mills, with a capacity of 250,000 tonnes, a modern laboratory as well as the latest technologies, enable us to manufacture profiles to suit virtually any requirement and area of application.

Our two rolling mills

In the heavy mill, we manufacture products weighing 15-180 kg/m with a maximum width of 400 millimetres and bar lengths of up to maximum of 24 metres. In the light mill, Mannstaedt provides profiles of 2-35 kg/m and a maximum width of 180 millimetres as well as bar lengths of up to a maximum of 18 metres.

Multifaceted: Our sectors

AUTOMOTIVE INDUSTRY

Hot-rolled special profiles are Mannstaedt's core area of expertise. In the context of lightweight construction, the optimised weight of our special profiles means we can offer some ground-breaking solutions. With our narrow tolerances, we set the standard for our industry.

MATERIALS HANDLING INDUSTRY

Our customised steel profiles for materials handling are manufactured with decades of experience: hot-rolled, drawn or pre-fabricated. Mannstaedt supplies virtually all the world's leading manufacturers of fork-lift trucks with lift mast profiles, carriage bars, and side shifter profiles.

WAREHOUSING AND CONVEYING TECHNOLOGY

Mannstaedt's hot-rolled and cold-drawn profiles are used in a variety of applications: in shelf and warehousing construction, horizontal and vertical conveyor systems such as overhead monorails as well as Power & Free conveyor systems.

COMMERCIAL VEHICLES INDUSTRY

Our profiles are diverse to meet our customers' specifications: The focus here is on the joint development of optimised profiles to reduce mechanical processing or welding processes and to optimise weight.

CONSTRUCTION INDUSTRY

Mannstaedt's special profiles provide solutions from one single source: diverse and complex applications for innovative products and designs which are flexible, effective and safe.

AGRICULTURE

Mannstaedt's special profiles are important components of tillage and harvesting machinery: these include rasp bar profiles, ploughshare profiles, brackets for forage harvesters and mowers, and chain profiles.

OTHER INDUSTRIES

Whether ship building, railway and rail technology, mining or mechanical engineering and plant construction, Mannstaedt sets the standards for dimensions, weights, tolerances, materials and surface properties.





SPECIAL PROFILES
AUTOMOTIVE INDUSTRY



Applications

- Hinge profiles

The benefits

- Maximum durability and quality thanks to our expertise and many years of experience
- Narrow tolerances which set the standard for our industry
- Largest portfolio of hinge profiles in the world
- Concavity of 0.1mm possible through laser measurement
- Saw cut hinge pieces
- Tumbling of hinge pieces

SPECIAL PROFILES
MATERIALS HANDLING INDUSTRY



Applications

- Hot-rolled mast profiles
- Cold-drawn mast profiles
- Standard mast profiles
- Fork carriages
- Profiles for front-end equipment
- Machined mast profiles

The benefits

- Large range of standard profiles for the materials handling industry and carriage bars
- Mechanical processing of mast profiles
- Narrowest of tolerances guaranteed by laser measurement
- Excellent surface quality

SPECIAL PROFILES
WAREHOUSING & CONVEYING TECHNOLOGY



Applications

- Profiles for storage and racking construction
- Profiles for horizontal and vertical handling systems
- Profiles for lifting devices and lifting platforms
- Crane rails

The benefits

- Customised qualities
- Delivery lengths up to 24 m
- Narrowest straightness tolerances

SPECIAL PROFILES
COMMERCIAL VEHICLE INDUSTRY



Applications

- Commercial and construction vehicle profiles
- Axle profiles
- Heavy duty wheel profiles
- Turntables

The benefits

- Optimised profiles to reduce mechanical processing/ welding processes as well as to optimise weight
- Hot-rolled profiles in long or short lengths (sheared/sawn)
- Further processed components, e.g. rounded profiles or rings



SPECIAL PROFILES
CONSTRUCTION INDUSTRY



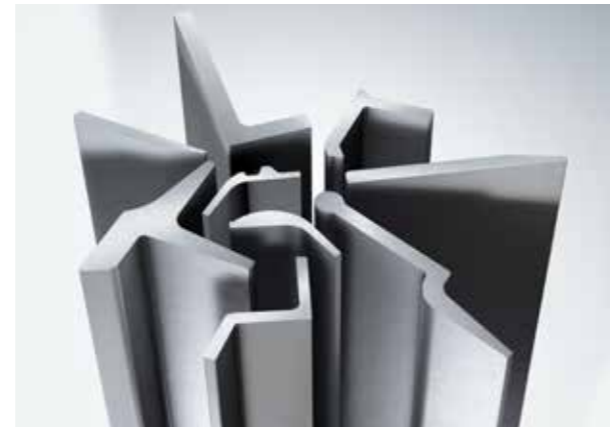
Applications

- Anchor rails
- Expansion joints
- Pipe coupling sections and spigots
- Locking bars
- Profiles for facade construction

The benefits

- Solutions from one single source - formerly essential work stages are no longer necessary
- Very diverse range of steel types through to stainless steel
- Design and production expertise enable manufacture of complex profile geometries

SPECIAL PROFILES
AGRICULTURAL MACHINERY



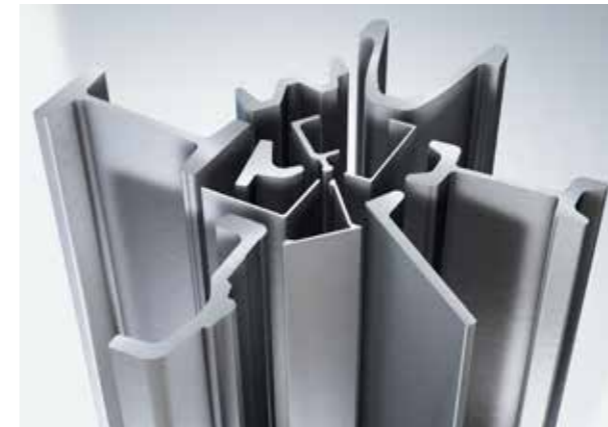
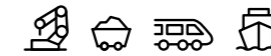
Applications

- Rasp bar profiles
- Ploughshare profiles
- Brackets for forage harvesters and mowers
- Chain profiles

The benefits

- Challenging geometries
- Option for processing
- Wear-resistant steels

SPECIAL PROFILES
OTHER INDUSTRIES



Applications

- Shipbuilding
- Rail engineering
- Mining
- Engineering

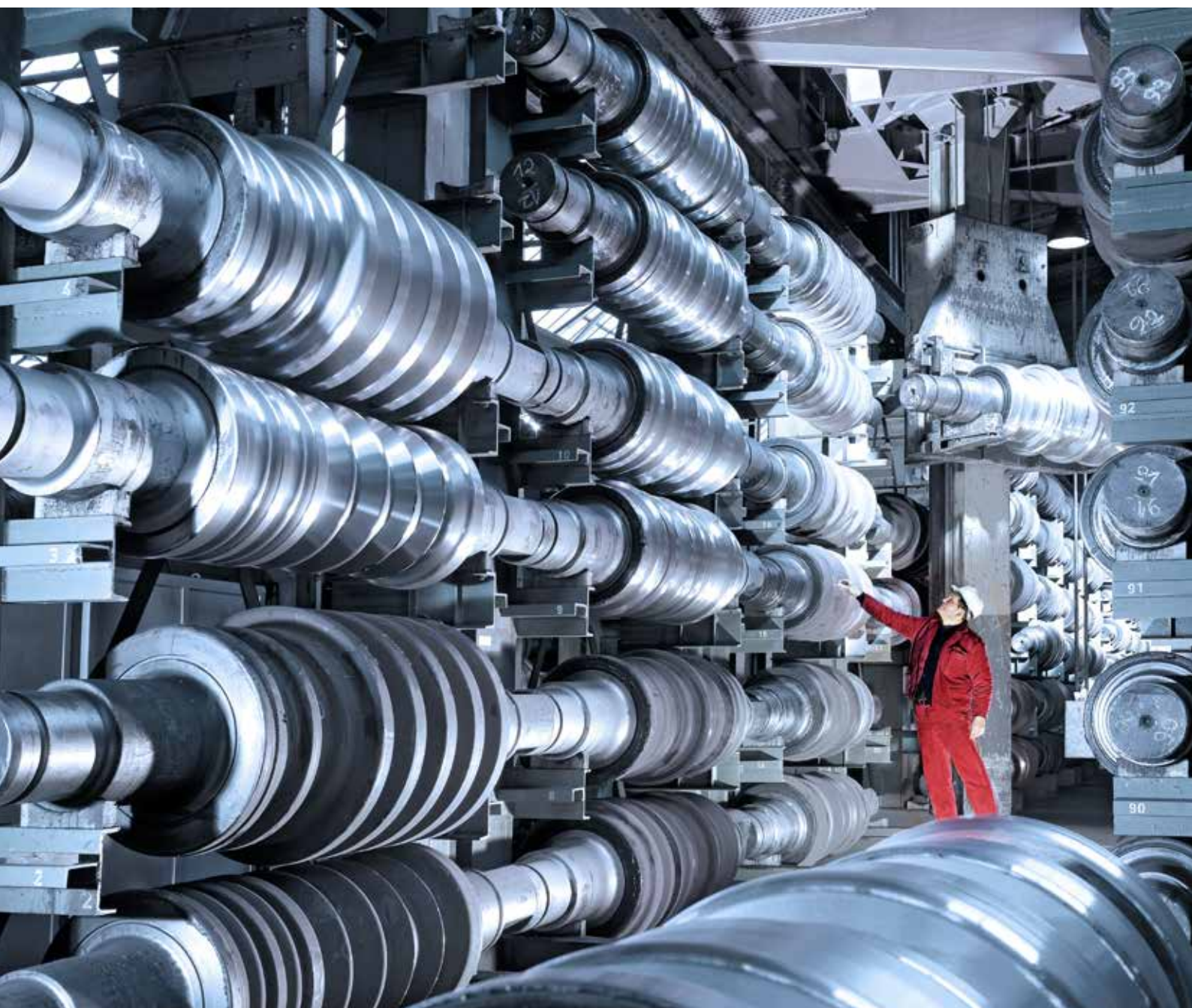
The benefits

- Dimensions, weights, tolerances, materials and surface properties customised to exact requirements
- Extensive portfolio of products and materials with profiles from 2 - 180 kg/m

Certifications

We guarantee process-safeguarded production process sequences. Our products comply with international standards. Mannstaedt is certified in accordance with:

- DIN EN ISO 9001
- DIN EN ISO 14001
- IATF 16949
- DIN EN ISO 50001



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