



MADE
FOR
PERFECTION

PETERSEIM GMBH & CO. KG
METALLWERKE

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PETERSEIM GMBH & CO. KG METALLWERKE

We have been supplying prestigious customers worldwide with high-quality brass and aluminium tubes, profiled tubes and components for over 70 years.

Our family-owned, medium-sized company was founded in 1954, with management already into its third generation.

We pursue a sustainable approach and are constantly advancing and developing together with you. This is ensured by investing in new production technologies as well in the qualification of our employees.

In a network of science partners we explore cutting-edge materials and their machining properties, among other measures, as part of our own design and development activities.

Our core business is the production of seamless drawn brass and aluminium tubing in various outer diameters, wall thicknesses and lengths.

Our expertise in the production of seamless drawn tubing is in particular demand whenever complex solutions for high-quality end products are required.

Our further processing services include cutting, milling, forming, bending and surface finishing. Our range of services also extends to assembly activities.

This also makes us a competent and reliable partner for finished tube and profiled components for companies from a broad spectrum of industries.

ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

With the history of the company stretching back over 70 years, we have continued to establish ourselves as a provider of premium-quality precision tubes and profiles worldwide. The wealth of experience and qualification of our employees as well as the close ties that our employees have to the company are important factors of our success. Our modern training and advanced training offerings are uniquely complemented by the transfer of valuable experience to future generations.

As a responsible family-owned company, we constantly invest in improvements to our processes, the continued development of our modern machinery and the protection of the environment.

Maintaining values – that can also be achieved through the economical use of equipment, materials and energy. Our sense of responsibility and foresight ensured that we invested in our own energy production and the conservation of resources at a very early stage.

Since 2012 our company has been generating energy with its own combined heat and power plant, using the resulting waste heat to maximum efficiency. We also produce 125,000 kWh per year with the optimally aligned photovoltaics system on the hall roofs. This saves over 95 tCO₂ each year. Regular maintenance of the solar cells guarantees optimum utilisation. Over 50% of the energy required therefore comes from the company's regenerative own production.

In the production process, we almost exclusively use biodegradable lubricants. The resulting waste water is purified using a neutralisation process in our own water treatment plant.

Quality is an ongoing process for us. We are certified according to DIN EN ISO 9001:2015. All company processes are controlled, managed and documented to identify and effectively remedy possible weaknesses early on. We draw and process materials in strict compliance with the legal requirements of the Drinking Water Ordinance, RoHS Directive and REACH Regulation.





CUSTOMER ORIENTATION

THE RELIABILITY, SERVICE AND FLEXIBILITY YOU NEED

They are the focus of our business. For all our efficiency, we also always offer customised, straightforward service tailored to your needs and specific requirements with a strong focus on solutions. Seamless drawn tubes are transformed into finished products that we process, assemble and package for you.

We know that successful cooperation is built on stable customer and supplier relationships. Our market expertise together with a deep understanding of each other guarantees your success. Those who grow together in a market develop a true team spirit.

Your success is our success as well. From the very beginning our goal is to offer you not only perfect product quality but also the highest level of reliability and service. To ensure that this is the case, we are constantly refining our services and implementing our corporate values day-in, day-out.

We see ourselves as your partner, thinking realistically and in a solution-oriented manner and contributing to the improvement of the overall solution with our own supportive impulses.

Machining of brass and aluminium, where we will assist you at every stage of your project. We support you effectively right from the development of your product. In addition to material selection we create CAD drawings for you and carry out feasibility analyses and FEM simulations.

Flexibility is one of the most distinctive characteristics of our company. Financial independence as well as short communication and decision-making paths enable us to act quickly. Thanks to short set-up times and flexible production, we are able to also offer you prototypes as well as small batch sizes and short delivery times.



BRASS TUBES

The brass material in various alloys requires special knowledge and experience in the drawing of tubes and their further processing.

From seamless drawn brass tubes in straight lengths through to the processed part, we always guarantee quality at the highest level.

ALLOYS

LEAD-FREE ALLOYS

SYMBOL

CuZn15
CuZn20
CuZn30
CuZn33
CuZn36
CuZn37
CuZn42 (Pb0,1)
CuZn21Si3P
CuZn36 with As

ADDITIONAL ALLOYS ON REQUEST

NUMBER

CW502L
CW503L
CW505L
CW506L
CW507L
CW508L
CW510L
CW724R
-

LOW-LEAD ALLOYS

SYMBOL

CuZn40
CuZn42 (Pb0.2)
CuZn38As

NUMBER

CW509L
CW510L
CW511L

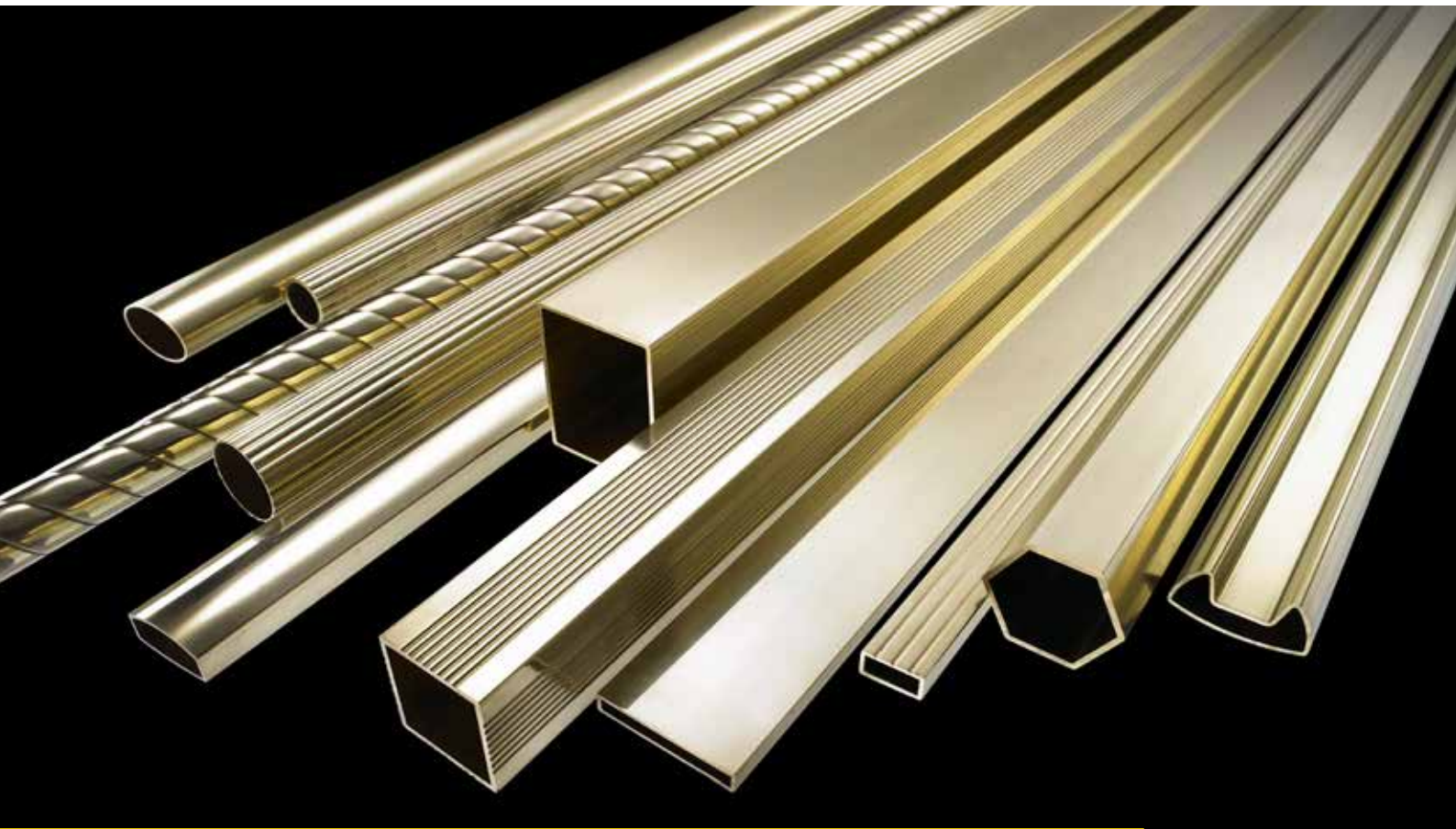
LEADED ALLOYS

SYMBOL

CuZn35Pb1
CuZn35Pb2
CuZn36Pb2As
CuZn37Pb0,5
CuZn37Pb1
CuZn38Pb1
CuZn38Pb2
CuZn39Pb3
CuZn40Pb2
CuZn31Si1

NUMBER

CW600N
CW601N
CW602N
CW604N
CW605N
CW607N
CW608N
CW614N
CW617N
CW708R



DIMENSIONS

WE MANUFACTURE SEAMLESS DRAWN BRASS TUBES IN THE DIMENSIONAL RANGES

- Outer diameters from 3.00 to 90.00 mm
- Wall thicknesses from 0.15 to 4.00 mm
- Any lengths up to max. 6,000 mm
- Tolerances down to hundredths of a millimetre are possible

PROFILES

WE MANUFACTURE SEAMLESS DRAWN PROFILED TUBES IN THE DIMENSIONAL RANGES

- Outer diameters from 3.00 to 68.00 mm
- Wall thicknesses from 0.15 to 4.00 mm
- Any lengths up to max. 6,000 mm

THE FOLLOWING PROFILE VARIANTS, AMONG OTHERS, ARE AVAILABLE

- smooth
- grooved
- round
- oval
- square
- flat square
- hexagonal
- Special designs based on drawing or sample



BRASS

CONSISTENTLY TAKING IT ONE STEP FURTHER TO A PREMIUM FINISH

In the light of ever shorter product cycles and increasing technical requirements, we are continuously developing our options for further processing. We offer you the entire value chain and see ourselves as a complete system supplier.

FORMING AND MACHINING TECHNOLOGY

- Cutting to fixed lengths
- Tube bending and tube forming
- CNC turning and milling
- Flanging, punching, machining, chamfering, etc.
- Integration of threaded and radial boreholes
- Joining technology – soldering, welding etc.
- Deburring and barrel finishing
- Surface finishing – grinding, polishing and chrome-plating

We are your reliable and innovative partner for the performance of simple bending work through to the completion of complex bending tasks. On our CNC bending machines we bend tubes and profiles up to 90 millimetres in diameter that are made from diverse materials. We use a 3D coordinate measuring arm to determine the geometry data of sample tubes and check bent parts. Likewise, the determination of material properties, such as tensile strength and ductility, is carried out in-house.

Benefit from our extensive experience in machining seamlessly drawn brass tubes. We will support you at every stage of the order process.



IN PERFECTION



ALUMINIUM TUBES

Aluminium can be alloyed with a large number of metals to optimise material properties. Thus, we also offer, for example, aluminium tubes in various alloys for good machinability.

Particularly appreciated are the low weight, the good corrosion resistance and the high electrical and thermal conductivity of the lightweight metal.

ALLOYS

SYMBOL

Al99,5
AlMn1Cu
AlMn1
AlMg2Mn0,8
AlMgSi0,5
AlMg1SiCu
AlMg0,7Si
AlSi1MgMn

NUMBER

EN AW-1050A
EN AW-3003
EN AW-3103
EN AW-5049
EN AW-6060
EN AW-6061
EN AW-6063
EN AW-6082

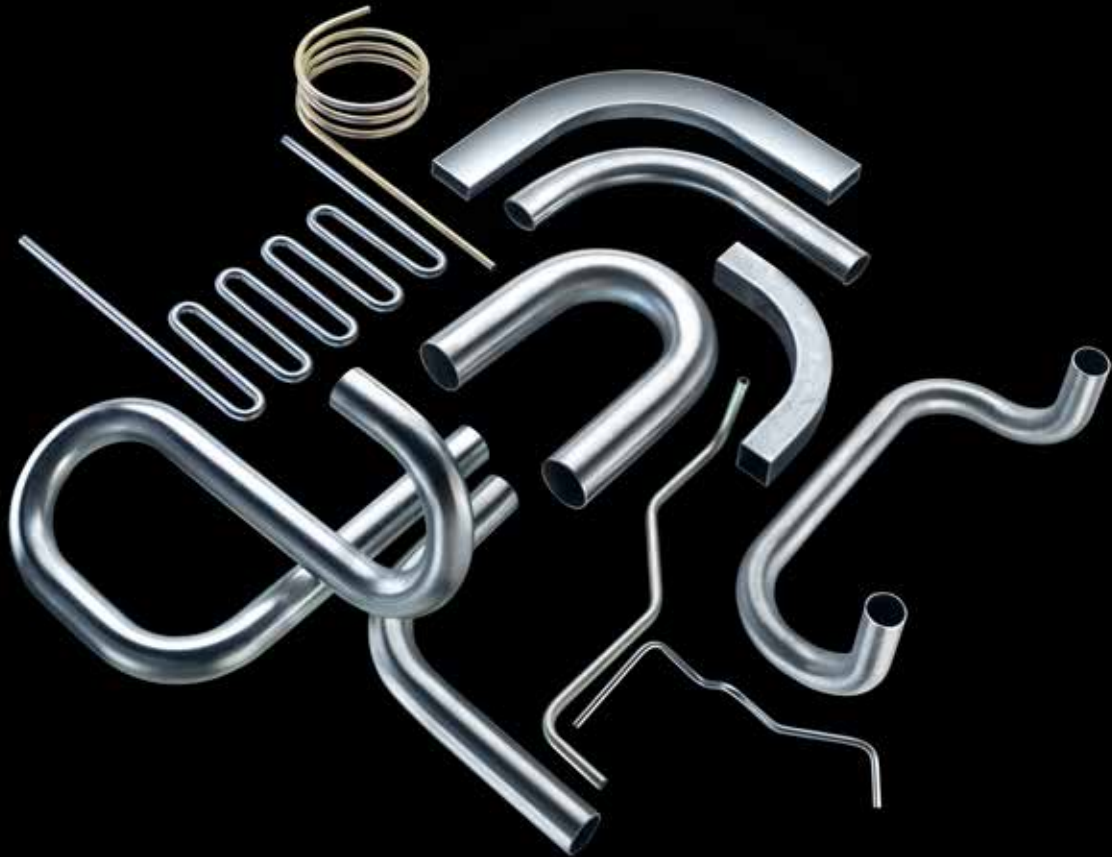
DIMENSIONS

WE MANUFACTURE SEAMLESSLY DRAWN ALUMINIUM TUBES IN THE FOLLOWING DIMENSIONAL RANGES

- Outer diameters from 10.00 to 85.00 mm
- Wall thicknesses from 0.80 to 7.00 mm
- Any lengths up to max. 6.000 mm
- Aluminium profiled tubes on request
- Tolerances down to hundredths of a millimetre are possible

a) Seamlessly extruded and drawn aluminium tubes as per standard EN 573-3, EN 754-1, -2, -7

a) Port-hole die extruded and drawn aluminium tubes as per standard EN 573-3, EN 754-1, -2, -8



FURTHER PROCESSING AND SURFACE FINISHING

Components with the highest requirements for weight, stability and dimensional accuracy often include seamlessly extruded, processed aluminium tubes from our company.

We also respond to your wishes in this respect and meet nearly every request for machining and special surface finishing

A SMALL SELECTION OF OUR SERVICES IN FURTHER PROCESSING

- Cutting to fixed lengths
- Tube bending and tube forming
- CNC turning and milling
- Flanging, punching, machining, chamfering, etc.
- Integration of threaded boreholes, integration of radial boreholes
- Deburring and barrel finishing
- Surface finishing – grinding, polishing and anodising



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