

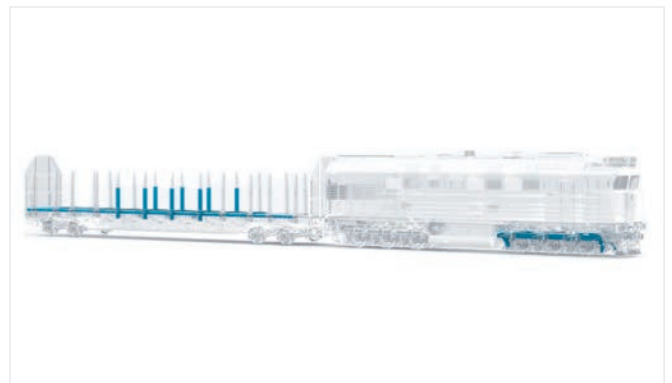
VTS®-edgeTubes

THE PRODUCTS OF CHOICE FOR MOBILITY

VTS®-edgeTubes are seamless, hot-rolled, square and rectangular hollow sections from voestalpine Tubulars, which are ideally suited for use in mobility due to their product properties. They complement the portfolio of our circular hollow sections perfectly.

FIELDS OF APPLICATIONS

- » **Non-driven axles**, e.g. for trailer, caravans and busses
- » **Driven axles**, e.g. for trucks
- » **General frame parts and frame structures**, e.g. for trucks, trailer, wagons, trams and busses
- » **ROPS and FOPS**, e.g. for Yellow Goods and commercial vehicles
- » **Bogie frames** for rail vehicles
- » **Steel structures** for ship building



TECHNICAL DATA AT A GLANCE

Corner radius	$R_o \leq 1,6 \times T$ across the entire product range, tighter radius up to $\leq 1 \times T$ upon request (depending on dimension & wall thickness), specified radius and tolerances possible upon agreement		
Standards	DIN EN 10210-1, -2, -3, ASTM A501/A501M, CE-marking		
Dimensions	Square	40 x 40 mm to 170 x 170 mm	1 ½ x 1 ½ inch to 6 ⅝ x 6 ⅝ inch
	Rectangular	50 x 30 mm to 200 x 100 mm	2 x 2 ½ inch to 8 x 4 inch
Wall thickness	up to 25 mm (>25 mm upon request)		up to 1 inch (>1 inch upon request)
Lengths	5,000 mm to 14,000 mm		16 to 46 ft
Steel grades	S235 to S890 according to DIN EN or Grade A, B, C according to ASTM, further tailor-made customer specifications upon request		

PRODUCT CHARACTERISTICS AND CUSTOMER BENEFITS

- » **Seamless, hot-rolled hollow sections with homogeneous structure also in the corner areas provide:**
 - > great processing opportunities due to lower residual stress
 - > increased resistance against fatigue, dynamic loads and vibrations
 - > a high buckling strength
 - > durability and sustainability
- » **Improved straightness, twisting and corner radius compared to the standard requirements**
 - > advantages by reduced deformation during processing
- » **Tighter corner radius guarantees:**
 - > a higher section modulus and higher bending strength for increased safety for the end user
 - > higher load-bearing capacity
 - > larger connecting area and bearing face
 - > increased efficiency for welding applications
- » **Higher and high-strength steel grades**
 - > for more resilience, e.g. for high safety and heavy transports
 - > saving weight
 - > over the entire product range
 - > the ideal steel grade for each application
 - > weldability tests possible
- » **Exceptional range of dimensions**
 - > wall thickness up to 25 mm for extreme loads
 - > dimension infinitely adjustable
- » **Optical advantages**
 - > no weld seam due to hot-rolling process
 - > excellent surface structure
 - > tighter corner radius



FURTHER BENEFITS

- » **Sustainability** as part of the corporate philosophy
- » **One stop shop** – support from material to product selection and in-house material and product development to final product
- » **Flexibility** due to small production lots and short delivery times
- » **Tailor-made seamless VTS®-edgeTubes and innovative solutions** of highest quality – according to your special requirements!



Link: Brochure
Mission Future

voestalpine Tubulars GmbH & Co KG
Headquarter & Production Location
Alpinestrasse 17
8652 Kindberg-Aumuehl, Austria

voestalpine Tubulars Germany GmbH
VTS®-edgeTubes Sales Office
Peter-Mueller-Str. 14
40468 Duesseldorf, Germany

sven.schilling@vatubulars.com
www.voestalpine.com/tubulars

voestalpine Tubulars GmbH & Co KG
www.voestalpine.com/tubulars

Do you know our circular seamless pipe portfolio for mobility?



Link: Industrial Pipes

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ONE STEP AHEAD.