

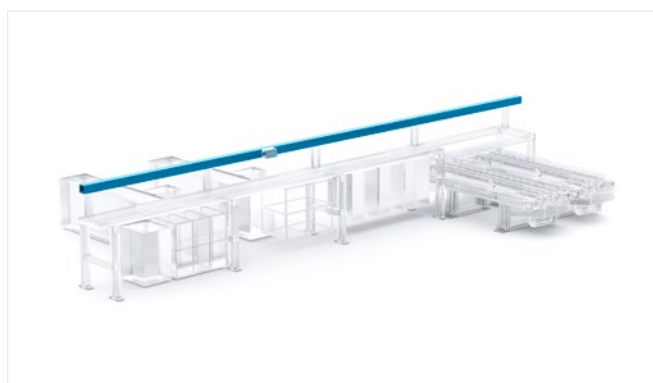
VTS®-edgeTubes

THE PRODUCTS OF CHOICE FOR MECHANICAL ENGINEERING

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

FIELDS OF APPLICATIONS

- » **General Mechanical Engineering**, e. g.
 - > in the automation
 - > for civil engineering
 - > in the Yellow Goods segment
- » **Crane construction**, e. g.
 - > booms for tower cranes and mobile cranes
 - > for maritime cranes, such as ship or harbor cranes
- » **Transport systems**
- » **Lifting platforms**



TECHNICAL DATA AT A GLANCE

Corner radius	$R_0 \leq 1,6 \times T$ 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, EU Construction Products Regulation, DIN EN 10225 for offshore constructions upon request		
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, VTS-500 and 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 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 spans
 - > larger connecting area and bearing face
 - > increased efficiency for welding applications
- » **Higher and high-strength steel grades**
 - > for more resilience, e.g. tensile load
 - > saving weight
 - > over the entire product range
 - > VTS-500 as ideal solution for sophisticated mechanical engineering and crane construction products
 - > 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

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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](#)

Do you know our circular seamless pipe portfolio for Mechanical Engineering?



[Link: Industrial Pipes](#)

voestalpine

ONE STEP AHEAD.