

DEFENSE SECTOR

APPLICATIONS



PROTECTION PERFORMANCE PAYLOAD



TUBULAR SOLUTIONS
TO MAKE YOUR
MISSION POSSIBLE

- LAND, AIR & SEA APPLICATIONS
- CUSTOMIZED DESIGNS
- COMPLETE SERVICE OFFER

DESIGN TO DEFEND WITH OUR SEAMLESS TUBES & HOLLOW SECTIONS

COMMITTED TO MEETING YOUR NEEDS

We've been developing tubular solutions for a wide range of industrial applications for more than 100 years.

With a proven track record supplying leaders in the defense industry, we provide seamless tubes and hollow sections for land, sea and air equipment needs to deliver high performance and secure protection.

"We offer a unique range of seamless tubular solutions for your defense equipment."

PRODUCT RANGE

We have the largest range available – sizes, shapes and grades...

SHAPES & SIZES:

 Round
OD: 25 mm – 1,500 mm (1" - 59")
WT: 3 mm – 250 mm (0.12" - 10")

 Square
40 x 40 mm - 400 x 400 mm
WT: 3 mm - 25 mm

 Rectangular
30 x 50 mm - 300 x 500 mm
WT: 3 mm - 25 mm

Other specialties:



Hexagonal



Shaped Pipes

GRADES:

We offer a wide range of carbon steel grades as well as specially developed proprietary grades including:

Durascilt® Special alloy grade for ballistic applications.

Avadur® High strength with hardness to meet defined specifications.

FineXcell® High strength and easy to weld with low temperature toughness.

LAND



- AMMUNITION
- AXLES
- CHASSIS & FRAME PARTS
- ROLL OVER PROTECTION SYSTEMS
- TORSION BARS

SEA



- PIPING SYSTEMS
- PRESSURE VESSELS
- STEEL STRUCTURES

AIR



- AMMUNITION

YOUR CHALLENGES

PROTECTION

PERFORMANCE

PAYLOAD

OUR SOLUTIONS

- Wide range of steel grades including proprietary grades with specific material properties for strength, hardness and toughness, such as Durascilt® ballistic proven according to STANAG levels*.
- Quality you can rely on - all our production facilities are certified ISO 9001 et ISO 45001.
- Fine grain, high strength steel grades up to 960 Mpa (140 ksi) provide toughness even at low temperatures, down to -60°C.
- Quenched & tempered grades to meet the most demanded hardness classes such as 330-380 HB, 380-430 HB and 480-530 HB.
- Load bearing capacity is optimized thanks to the mechanical properties of seamless tubes. Square and rectangular hollow sections provide superior static values thanks to their tight corner radii.
- Excellent strength to weight ratio means higher load capacity for equal weight.

* NATO STANDARDIZATION AGREEMENT

SERVICES

TECHNICAL SUPPORT Testing, machining and welding; whatever your requirements, our experts can help you select the right products and solutions to meet your specifications.

TAILOR-MADE SOLUTIONS We can create shaped tubing with geometry variations along the pipe length thanks to our unique production mills. We can work with you at the design stage of your project to produce made-to-measure solutions.

PROTOTYPE DEVELOPMENT Our R&D engineers can support you with design, samples and prototypes.

YOUR INDUSTRIAL
PARTNER, SETTING THE
PACE FOR INNOVATION
AND PERFORMANCE
EVOLUTION

6 INTERNATIONAL
R&D CENTERS

50 PRODUCTION
SITES

WORLDWIDE
SALES AND
SERVICES



Agricultural
Machinery



Civil Construction



Automotive



Offshore
Construction



Cranes/ Lifting
Equipment

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INFORMATION?

Information is available online on
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