

SAFETY BUILDS ON QUALITY

We know the challenges you face, and work with you to move forward

voestalpine Wire Austria is your reliable partner for sophisticated high-end prestressing steel applications. We live for innovation, repeatedly setting new standards.



- » Technical support and customer support worldwide
- » Customer-oriented product development together with the experts at voestalpine
- » High quality primary materials from the most modern wire rod mill in the world

CUSTOMIZED WIRE

We are your experts for high demands

You can always count on our prestressing steel strands in the most diverse fields of application. Our range extends from bridge construction to large container construction to the prestressing of wind power plants.



Our role in optimally realizing your projects:

- » Reliability - Tested under the toughest conditions
- » Quality - Superior quality for outstanding projects
- » Capacity - Your powerful partner for major projects
- » Competence - We know the challenges you face, and support you with our concentrated expertise

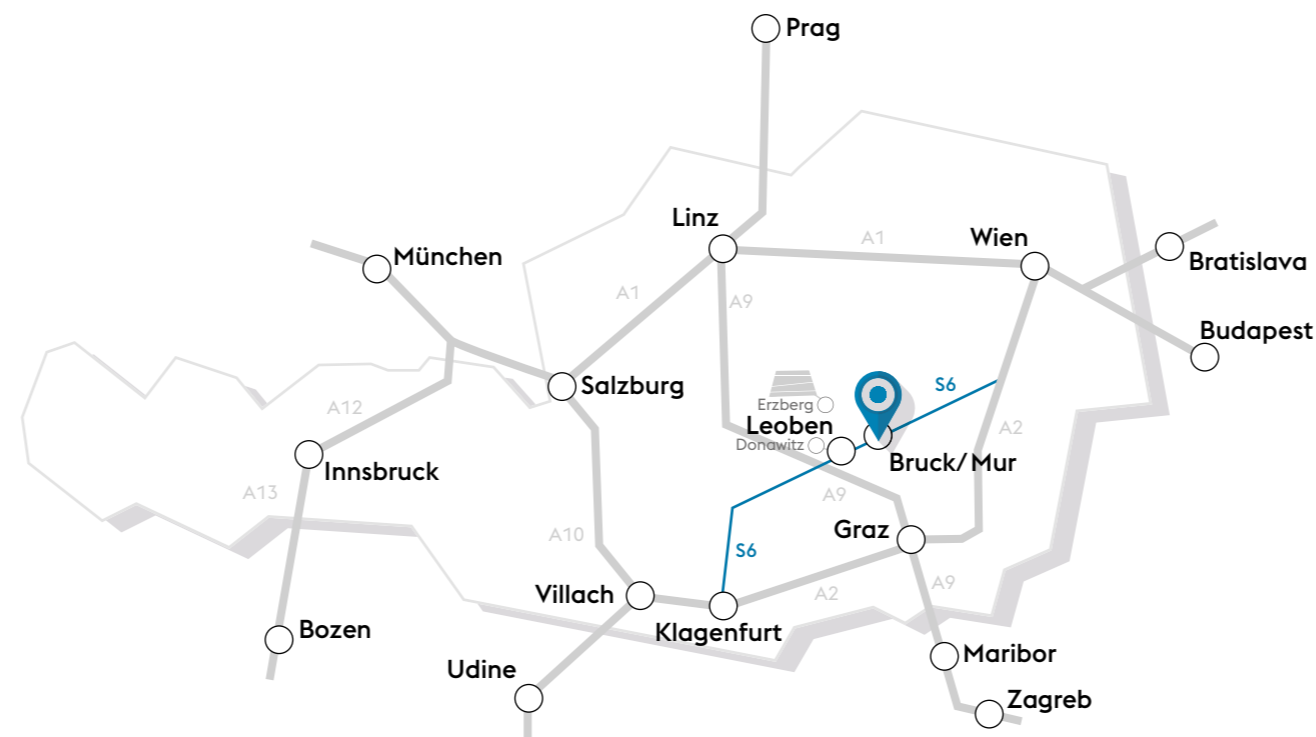
WE'RE WHERE YOU ARE

Internationality guarantees customer proximity

Our global distribution network, with the strength of the voestalpine Group to support us, guarantees you quality and reliability. We are always just where you need us to be, offering support for projects worldwide.



- » Short delivery times and flexibility
- » Support for projects worldwide



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voestalpine
ONE STEP AHEAD.

defcor®

FOR EXTREMELY CHALLENGING APPLICATIONS

We are your experts for high demands

2nd edition, February, 2018

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ONE STEP AHEAD.

INTEGRATED SUPPLIER

One-of-a-kind value chain

We are the only provider to cover the entire value chain: from Erzberg iron ore to the production of steel right through to customized prestressing steel for demanding customers.

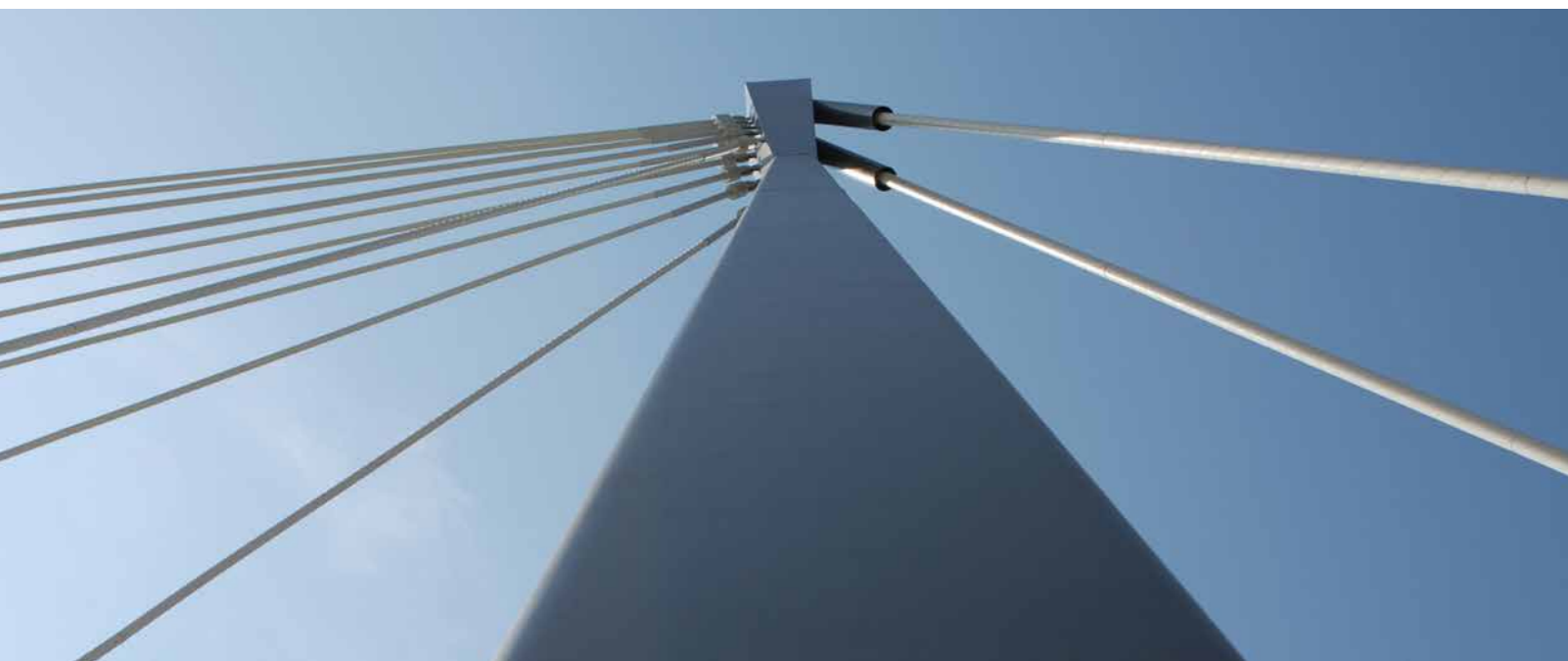


- » Integrated production
- » In-house galvanizing
- » Ongoing process reliability
- » State-of-the-art production facilities
- » Flexibility and sufficient capacity for your major projects
- » Comprehensive monitoring and traceability of the entire manufacturing process
- » Accredited laboratory and state-of-the-art testing facilities

SHEATHED PRESTRESSING STEEL STRAND

Your benefits

- » Superior corrosion protection
- » Wide range of diameters available
- » Compacted strands
- » Multiple sheathing
- » Exact multiple lengths



TECHNICAL DETAILS

Stay Cable Strands

Prestressing steel strand, 7 wire galvanized, waxed and sheathed

Nominal diameter of strand	Total mass	Mass of components		
		Steel	Polyethylene	Wax
DL	M			
mm	kg/1000m	kg/1000m		
15,3	≥ 1187	1093	≥ 82	≥ 12
15,7	≥ 1266	1172	≥ 82	≥ 12

Standard: FprEN 10337 oder NFA35-035

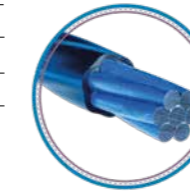
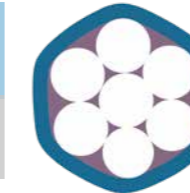
Zinc coating: 190 - 350 g/m²

Grade of polyethylene: HDPE80 / HDPE100 / HDPE100+ or others on request

HDPE sheath thickness: min. 1,5 mm

Friction resistance: min. 1000 N/30 cm

Special types on request



Monostrands

Prestressing steel strand, 7 wire, greased and sheathed

Nominal diameter of strand	Total mass	Mass of components		
		Steel	Polyethylene	Grease
DL	M			
mm	kg/1000m	kg/1000m		
12,5	≥ 825	730	≥ 65	≥ 89
12,9	≥ 885	785	≥ 68	≥ 91
15,3	≥ 1212	1093	≥ 79	≥ 103
15,7	≥ 1297	1172	≥ 82	≥ 114

Prestressing steel strand, 7 wire compacted, greased and sheathed

Nominal diameter of strand	Total mass	Mass of components		
		Steel	Polyethylene	Grease
DL	M			
mm	kg/1000m	kg/1000m		
15,2	≥ 1403	1289	≥ 79	≥ 103

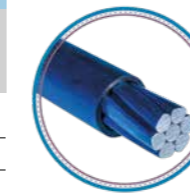
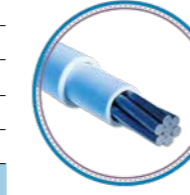
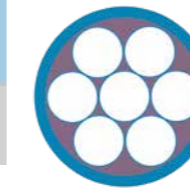
Grade of polyethylene: HDPE80 / HDPE100 / HDPE100+ or others on request

HDPE sheath thickness: min. 1,5 mm or min. 2,0 mm

Friction resistance: max. 60 N/m

Special types on request

Multiple sheathing on request



DESIGN OPTIONS

» Wire surface

- uncoated
- galvanized

» Strand outer wires

- round
- compacted

» Protective fillers

- grease
- wax

» Types of sheathing

- round
- tightly extruded (following the outer contour of the strand)

» Designs possible according to customer specifications

- sheath color
- labelling
- sheath wall thickness
- multiple sheathing

» Delivery forms

- reelless coil
- wooden reel



voestalpine Wire Austria GmbH

Your partner - competent and reliable

Long-term customer relationships are important to us. We know the challenges you face, and, supporting you with our concentrated expertise means we can grow and develop, together. See for yourself!



- » Partnerships with customers
- » Development partnerships
- » Cooperative work with research institutions and universities