



PRESTRESSING WIRE

Competence proves strength

We specialize in customer-oriented wire products. Due to the steel production possibilities within our group, we can manufacture special steel grades according to customer requirements.

That is what our customers can build on:

- » Highest quality for our customers
- » Our prestressing steels are the first choice wherever major forces have to be transferred or absorbed reliably and efficiently
- » Additional surface coating and corrosion protection (zinc coating)
- » Various surface types (smooth, indented, or with special indentation)
- » Special tests are carried out in our accredited laboratories



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Prestressing wire in acc. with FprEN 10138-2

Diameter	Tensile strength	Cross-sectional area	Mass	Characteristic value of max. force	Max. value of max. force	Value of 0.1% proof force
D	Rm	Sn	M	Fm	Fm,max	Fp0,1
mm	N/mm²	mm²	g/m	kN	kN	kN
5,0	1770	19,6	153,1	34,7	39,9	e30,5
5,0	1860	19,6	153,1	36,5	42,0	32,5
6,0	1770	28,3	221,0	50,1	57,6	44,1
7,0	1670	38,5	300,7	64,3	73,9	56,6
7,0	1770	38,5	300,7	68,1	73,3	59,9
7,5	1670	44,2	345,2	73,8	84,9	64,9
8,0	1670	50,3	392,8	84,0	96,6	73,9
9,4	1570	69,4	452,0	109,0	125,0	94,8
9,5	1570	70,9	553,7	111,0	128,0	96,6
10,0	1570	78,5	613,1	123,0	141,0	107,0
10,5	1570	86,6	676,3	136,0	156,0	118,0
11,0	1570	95	742,0	149,0	171,0	130,0

Please contact us for special requirements, intermediate sizes or alternative dimensions up to max. 11.5 mm.

Special testing

Special tests are carried out in our accredited laboratories:

- » Deflective tensile test
- » Relaxation test
- » NH4SCN corrosion test
- » Fatigue test frequency range 10 - 120 Hz

Surface prestressing wire, bright

- » Smooth
- » Indented
- » With special indetation

Delivery forms

- » Coils
- » Bars
- » Bars with threads on both ends
- » Hair pins

Quality management

- ISO 9001
 - ISO 14001
 - EMAS III
 - IATF 16949
 - ISO 17025
 - ISO 45001
 - ISO 50001
- For detailed information regarding our certifications visit our webpage www.voestalpine.com/wire

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