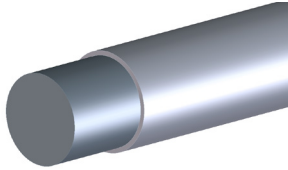


DATASHEET



COMPLIANT PRODUCT

The characteristics of Bezinox[®] wire comply with the EN 10257-2:2011 standard. All wires are zinc coated in accordance with EN 10244-2:2009 norm. Core wire composition is in accordance with EN 10088-1: "Stainless steels - Part 1: List of stainless steels". The wires shall have non-magnetic properties in magnetic fields generated by AC currents (50Hz). Bezinox[®] can also be produced as a flat shaped wire.

Technical specifications for a core wire

European Standard	Group	Number Code	Alphanumeric Code	AISI / ASTM	UNS
EN 10088-1*	Austenitic	1.4373	X12CrMnNiN18-9-5	202**	S20200

*for all elements except phosphorus and sulphur (P and S) having P ≤ 0.06 % and S ≤ 0.03 %

** different grade upon request

Mechanical properties for a round Bezinox[®] wire

Nominal diameter	Diameter tolerances	Tensile strength range	Yield strength range	Minimum elongation at break on gauge length L ₀ = 100 mm	Torsion test minimum number of turns
mm	mm	N/mm ²	N/mm ²	%	
2.50 - 3.15	±0.06	650 - 900	300 - 550	25	12
3.16 - 4.00	±0.08				10
4.01 - 5.00	±0.08				8
5.01 - 6.00	±0.09				7
6.01 -	±0.10				-

Coating weight / thickness for a round Bezinox[®] wire

Nominal diameter	Coating weight
mm	g/m ²
2.50 ≤ d < 2.80	245
2.80 ≤ d < 3.20	255
3.20 ≤ d < 3.80	265
3.80 ≤ d < 4.40	275
4.40 ≤ d < 5.20	280
5.20 ≤ d < 8.20	290

Relative magnetic permeability:

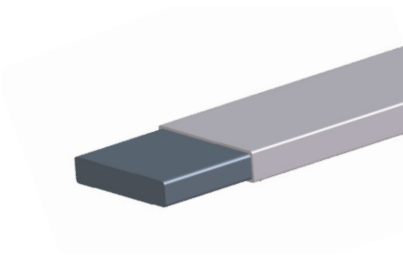
Guaranteed value: $\mu_r < 5$



Wrapping test: 6mm Bezinox[®] wire wrapped on a 18mm mandrel

Mechanical properties for a flat Bezinox® wire

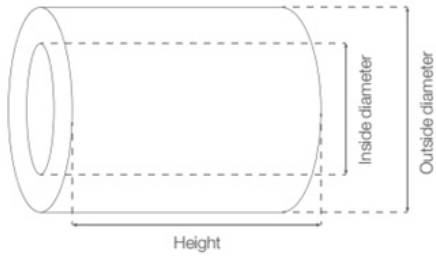
We are also offering flat non-magnetic armouring wire with different grades and tesnile strength based on request.



Nominal dimensions mm	Dimension tolerances mm	Tensile strength range N/mm ²
6.00 x 2.00 - 14.00 x 3,5	±0.12 x ± 0,08	400 - 650*
* dependance on grade		

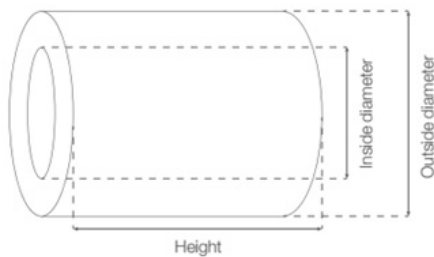
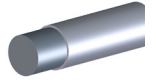
Packaging

Customized packing dimensions available upon request.



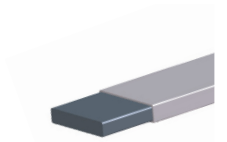
Orbit dimensions

ID	370 mm	580 mm
OD	800 mm	1100 mm (max.)
H	850 mm	1100 mm
Weight	700 kg	2000 kg (max.)



Spool dimensions

ID	500 mm
OD	1000 mm (max.)
H	500 mm
Weight	1500 kg - 1700 kg (max.)



Contact us

More
Information?

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