XL STAINLESS STEEL BAND
GRADE 1.4301 / AISI 304

Standard: **EN 10088-2**

Edges: **rounded**

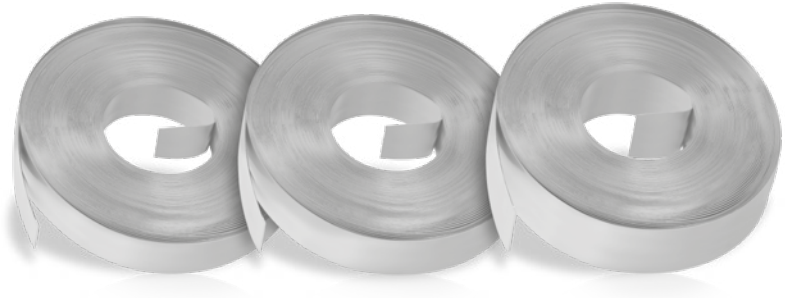
Installation of railroad and tramway power lines, trenchless sewer rehabilitation. Elements used in moderate corrosive environments. Urban and industrial environment with moderate pollution. Indoor and outdoor locations exposed to the presence of chlorides. Chemical and food processing plants, water supply companies. Telecommunication masts and electricity transmission network structures. Coal mining industry in areas exposed to the presence of chlorides. Underground structures, road tunnels, underground infrastructure for the power industry.

MATERIAL CHARACTERISTICS:

- CORROSION RESISTANCE IN MODERATE AND MILD ENVIRONMENTS
- HIGH MECHANICAL STRENGTH
- OPTIMAL COMBINATION OF CORROSION RESISTANCE AND MECHANICAL PROPERTIES
- RESISTANT TO OXIDATION AT HIGH TEMPERATURES
- RESISTANCE TO LOW TEMPERATURES
- SMOOTH FINISH ON ALL SURFACES

TECHNICAL DATA

Width	Thickness	Weight	Steel grade	Length
19,0 mm (3/4")	1,2 mm (.047")	5,5 kg	AISI 304	30 m
	1,0 mm (.039")	4,6 kg	AISI 304	30 m
25,0 mm (1")	1,0 mm (.039")	6,0 kg	AISI 304	30 m
32,0 mm (1 1/4")	1,0 mm (.039")	7,7 kg	AISI 304	30 m



CHEMICAL COMPOSITION

Grade	Element, % (max.)*								
	C	Si	P	S	Mn	Cr	Ni	Mo	N
1.4301	0,07	0,75	0,045	0,015	2,0	17,5 - 19,5	8,0 - 10,5	-	0,1

* Range of the concentrations of elements meeting the requirements of EN 10088-2

MECHANICAL AND ELECTRICAL PROPERTIES

Grade	Mechanical properties *					Electrical properties	
	Tensile strength	Yield strength, min	Elongation, min	Hardness, max		Magnetic permeability	Electrical resistance at 20°C
	Rm, MPa	Rp0,2, MPa	A80, %	HBW	HRB	μ	Ωxmm2/m
1.4301	540 – 740	230	45	201	92	1,008	0,73

* Range of the mechanical properties meeting the requirements of EN 10088-2 in saturated state

RELATED PRODUCTS

XL BANDING BUCKLES