

# STAINLESS STEEL BAND

## GRADE 1.4404 / AISI 316L



Standard: **EN 10088-2**

Edges: **rounded**

Installation of cables, ventilation ducts, masts, poles, road signs; suspension of additional equipment for cable ducts, process piping, poles; packing for transport, bundling of steel and plastic pipes, installation of flexible pipe connections, and many others. Elements used in very aggressive corrosive environments. Indoor and outdoor locations with high humidity and presence of chlorides.

### MATERIAL CHARACTERISTICS:



HIGH MECHANICAL STRENGTH



MEETS THE REQUIREMENTS FOR THE MOST DEMANDING WORK ENVIRONMENTS



RESISTANT TO OXIDATION AT HIGH TEMPERATURES



RESISTANCE TO LOW TEMPERATURES



SMOOTH FINISH ON ALL SURFACES



### USE

Marine and coastal environments. Marine equipment. Highly polluted urban and industrial environment. Direct location of roads where road salt is used. Elements protected from natural washing by rainfall. Plants with high emission of pollutants, chemical, petrochemical, pulp and paper as well as textile industries.

Coal and copper ore mining industry in areas exposed to the presence of chlorides. Areas exposed to combustion gases containing sulphates. Underground structures, road tunnels.

## STRAPPING BAND SIZE CHART

Width [mm]	Thickness [mm]	Type	Roll weight [kg]		
			50 m roll	30 m roll	25 m roll
19	0,7	standard	5,2	3,1	2,6
16	0,7	standard	4,4	2,6	2,2
12,7	0,7	standard	3,5	2,1	1,7
9,5	0,6	standard	2,2	1,3	1,1
6,4	0,5	standard	1,3	0,8	0,6
19	0,4	slim	2,9	1,7	1,4
16	0,4	slim	2,5	1,5	1,2
12,7	0,4	slim	2	1,2	1
9,5	0,4	slim	1,5	0,9	0,7
20	0,7	standard	5,5	3,3	2,7
10	0,7	standard	2,8	1,7	1,4
20	0,4	slim	3,1	1,9	1,6
10	0,4	slim	1,6	0,9	0,8



## CHEMICAL COMPOSITION

Grade	Element, % (max.)*								
	C	Si	P	S	Mn	Cr	Ni	Mo	N
<b>1.4404</b>	0,07	0,75	0,045	0,015	2,0	16,5 - 18,0	10,0 - 13,0	2,0 - 2,5	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
	R <sub>m</sub> , MPa	R <sub>p0,2</sub> , MPa	A <sub>80</sub> , %	HBW	HRB	μ	Ωxmm <sup>2</sup> /m
<b>1.4404</b>	530 - 680	240	40	217	95	1,008	0,75

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

## RELATED PRODUCTS

