

STAINLESS STEEL BAND

GRADE 1.4301 / AISI 304



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 moderate corrosive environments.

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



USE

Urban and industrial environment with moderate pollution. Indoor and outdoor locations exposed to the presence of chlorides. Chemical and food industry plants, hospital buildings. 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 telecommunications.

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
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
	R_m , MPa	$R_{p0,2}$, MPa	A_{80} , %	HBW	HRB	μ	$\Omega \times \text{mm}^2/\text{m}$
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

