

STAINLESS STEEL BAND

GRADE 1.4016 / AISI 430



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:



MODERATE MECHANICAL STRENGTH



RESISTANT TO OXIDATION AT HIGH TEMPERATURES



RESISTANCE TO LOW TEMPERATURES



THERMAL EXPANSION LOWER THAN AUSTENITIC GRADES



SMOOTH FINISH ON ALL SURFACES



USE

Interior architectural applications, elements used in air-conditioned rooms. Construction applications in moderate corrosive environments. Components operating at high temperature change gradient, exposed to strong oxidation at high temperatures. Applications for agriculture, transport applications.

STRAPPING BAND SIZE CHART

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



CHEMICAL COMPOSITION

Grade	Element, % (max.)*								
	C	Si	P	S	Mn	Cr	Ni	Mo	N
1.4016	0,08	1,0	0,040	0,015	1,0	16,0 - 18,0	-	-	-

* 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	Ωmm ² /m
1.4016	450 - 600	260	20	183	89	600 - 1100	0,60

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

RELATED PRODUCTS

