

Stainless steel tape

Grade : 1.4016 / AISI 430
Standard: EN 10088-2
Edges: rounded

Usage:

Installation of cables, ventilation pipes, masts, poles, road signs; suspension of additional equipment to cable lines, process pipework, poles; packaging for transport, bundling of steel and plastic pipes, installation of stubs for flexible pipes, and many more.

Environment:

Internal architectural applications, elements operated in air-conditioned areas. Structural and building applications in moderate corrosive environments. Components operating at high temperature range gradients, exposed to severe oxidation at high temperatures. Agricultural and transport applications.

Material characteristics::

- moderate mechanical strength
- resistance to high temperature oxidation
- resistance to low temperature
- thermal expansion lower than austenitic grades
- smooth finish on all surfaces



CE
ID:
7159
6659

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	-	-	-

* Concentration range of elements that simultaneously meet the requirements of EN 10088-2

Mechanical and electrical properties

Grade	Mechanical properties *					Electrical properties	
	Tensile strength	Yield strength, min	Extension, min	Hardness, max.		Magnetic permeability	Electrical resistance at 20°C
	R _m , MPa	R _{p0.2} , MPa	A ₈₀ , %	HBW	HRB	μ	Ωxmm ² /m
1.4016	450-600	260	20	183	89	600-1100	0,60

* The range of mechanical properties simultaneously meeting the requirements of EN 10088-2 in the supersaturated state