

Austenitic steel

July 2016 - rev.1.0

KLEINOX 4571

DIN X6CrNiMoTi17-12-2

CHEMICAL COMPOSITION %

C%	Si%	Mn%	P%	S%	Cr%	Mo%	Ni%	N%	Ti%	Fe%
Max	Max	Max	Max	Max	16,50	2,00	10,50	Max	5x % C	balance
0,08	1,00	2,00	0,045	0,03	18,00	2,50	13,50	0,10	Max 0,70	

USES AND APPLICATIONS

KLEINOX 4571 (AISI 316Ti) austenitic steel. Cr-Ni-Mo and Ti contents make it highly resistant to oxidation and acids. Adapted to welding.

This steel is well indicated for the production of chemical, food and textile components.

EXECUTIONS

Diameters	1.00 – 15.00 mm
Tolerances	ISO h8 (up to h5)
Delivery conditions	in cold drawn or ground bars 3m and Coils

MECHANICAL PROPERTIES

Tensile Strength	ca. 725-925 N/mm ² , depends on diameter
Heat treatment	possible welding 1050°C, water cooling
Electric resistance (R)	20°C: ~0.75 Ω.mm ² /m
Cutting speed	25-35 m/min
Lubrificant-cooling fluid i.e.	INOX or ORTHO Motorex

OTHER INFORMATION

Diagrams, treatment tabs or other information on request.