

1.4401

Material No.	1.4401
EN symbol (short)	X5CrNiMo17-12-2
AISI /SAE	316
UNS	S 31600
AFNOR	Z7 CND 17.11.02
B.S.	—
alloy	—
Registered work's label	—
Standards	—

DESCRIPTION:

The stainless austenitic steel 1.4401 is mainly used in the chemical industry, apparatus engineering, pulp industry, food industry.

Our product range in 1.4401 are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V %
0,07	1,0	2,0	0,045	0,03	16,5-18,5	2,0-2,5	10,0-13,0	
Nb %	Ti	Al	Co ≤ %	Cu ≤ %	N ≤ %	Fe	Ce %	Y ≤ %
					0,11			

¹ in accordance with Key to Steel 2001

SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm³	Hardness HB
	7,96	160 -190

WELDING FILLER

Electrode or filler rod 1.4403, 1.4430, 1.4428

MAIN FIELDS OF APPLICATION (depending on the specific conditions of use)

chemical industry, creamery, dairy, pulp industry, breweries, sewage plants

(all aforementioned specifications serve as a general orientation and have to be reviewed depending on the specific conditions of use)