

1.4404

Material No.	1.4404
EN symbol (short) DIN symbol	X2CrNiMo17-12-2 X 2 CrNiMo 17 13 2
AISI/SAE	316L
UNS	S 31603
AFNOR	Z3 CND 18.12.02
B.S.	—
alloy	—
Registered work's label	—
Standards	—

DESCRIPTION

The austenitic stainless steel 1.4404 (316L) shows good acid resistance. Material 1.4404 (316L) is used in the chemical industry, apparatus engineering, sewage plants, and paper industry.

Our product range in 1.4404 (316L) are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V %
0,03	1,0	2,0	0,045	0,015	16,5-18,5	2,0-2,5	10,0-13,0	
Nb %	Ti	Al	Co ≤ %	Cu ≤ %	N ≤ %	Fe	Ce %	Y ≤ %
					0,110			

¹ in accordance with Key to Steel 2001

SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm ³	Hardness HB
	7,95	≤ 215

WELDING FILLER

Electrode / filler rod 1.4429, 1.4430

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

chemical industry, apparatus engineering, sewage plants, paper industry

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