

1.4571

Material No.	1.4571
EN symbol (short)	X6CrNiMoTi17-12-2
AISI/SAE	316 Ti
UNS	S 31635
AFNOR	Z 6 CNDT 17.12
B.S.	320 S 17, 320 S18, 320 S31
alloy	—
Registered work's label	—
Standards	VdTÜV 454

DESCRIPTION

The stainless austenitic steel 1.4571 is mainly used in the chemical industry, textile industry, cellulose industry. Our product range in 1.4571 are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION

C	Si	Mn	P	S*	Cr	Mo	Ni	Ti
≤ 0,08	≤ 1,0	≤ 2,0	≤ 0,045	≤ 0,015	16,5–18,5	2,0-2,5	10,5-13,5	5 x C ≤ 0,70

* for long products S ≤ 0,30; for products to be processed S = 0,015–0,030

SPECIAL CHARACTERISTICS

Temperature range	Dichte kg/m ³	Hardness HB 30
up to 550° C	8	≤215
austenitic stainless steel		

WELDING FILLER

1.4430, 1.4576

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

chemical industry, textile industry, cellulose industry, pharmaceutical industry, water management

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