

## Material: Stainless Steel Antimagnetic SA

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Material No.	1.4435
EN Symbol (short)	X2CrNiMo18-14-3
AISI/SAE	316 L
UNS	S 31603
AFNOR	—
B.S.	Z 3 CND 17 12 03 / Z 3 CND 18 14 03
LMSA	D 310
Registered Works Label	—
Standards	DIN 17440/41

### Description

The stainless austenitic steel 1.4435 a good resistance to corrosion thanks to high concentration of molybdenum.

### Chemical Composition<sup>1</sup>

C	Si	Mn	P	S <sup>2</sup>	Cr	Mo	Ni	V
≤ %	≤ %	≤ %	≤ %	≤ %	%	%	%	
0,030	1,0	2,0	0,045	0,015	17,0-19,0	2,5-3,5	12,5-15,0	--
Nb	Ti	Al	Co	Cu	N	Fe		
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<sup>1</sup> in accordance with Key to Steel 2001

<sup>2</sup> for long products S ≤ 0,030%, for products to be processed S = 0,015-0,030%.

### Thermal Characteristics

Antimagnetic in resistant up to temperature of around 400°C and is suitable for autoclave sterilization at 270°C.

### Special Characteristics

Temperature – Range:	Density kg/dm <sup>3</sup> :	Hardness HB 30:
n/a	8,0	≤ 215

Austenitic stainless steel, good intergranular corrosion resistance.

### Welding Filler

1.4430, 1.4576

### Main fields of Application (depending on specific conditions of use)

Textile industry; welded parts of enhanced chemical permanence; chemical industry, (all specifications serve as a general orientation and must be reviewed depending on the specific conditions of use).

### Outils Rubis SA

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