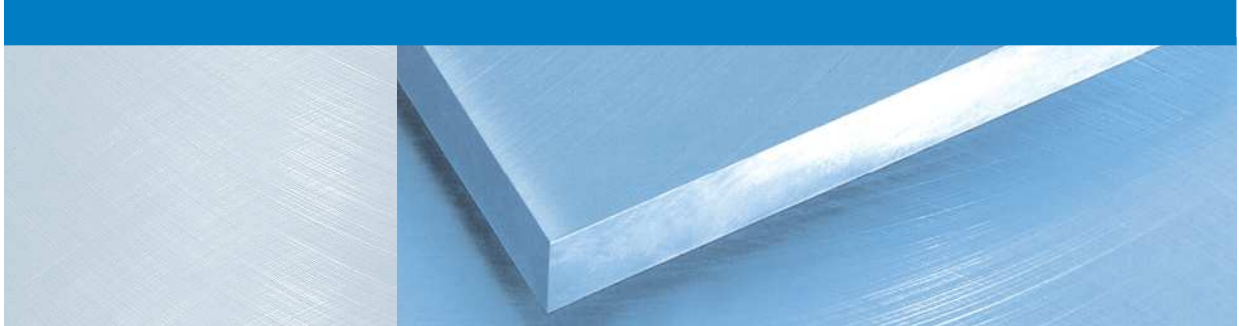


HABA INOX V2A

1.4301 / X5CrNi 18-10

Stainless steel

Grinded and rolled plates cut to size



Finishes

Grinded

Thickness

grinded $\leq Ra1.6$ (N7)
tolerance ± 0.1 mm

Parallelism

≤ 0.10 mm

Evenness

≤ 0.20 mm

Rolled

Thickness

rolled (pickled)
tolerance DIN 10029 class B

Parallelism

DIN 10029

Evenness

surface ≤ 0.5 m²: ≤ 0.5 mm
surface ≤ 1 m²: ≤ 1 mm
surface ≥ 1 m²: ≤ 1.5 mm

Grinded and rolled

Length/width

Ra6.3-12.5
cut with a precision circular saw

HABA standard tolerance

nominal size $+0.8/+0.3$ mm

Customer-specific tolerance

within a tolerance field of 0.4 mm

Technical specifications

Tensile strength

R_m 500-700 (N/mm²)

Yield strength

$R_{p0.2}$ 190 (N/mm²)

Breaking strain ($L_0 = 5 d_0$)

A_5 ≥ 45 % along
 ≥ 35 % transverse to
the rolling direction

Brinell hardness

HB ≤ 215

Impact energy

A_v (J) ≥ 100 along
 ≥ 60 transverse to
the rolling direction

Chemical composition

C	≤ 0.07 %	Si	≤ 1.00 %
Mn	≤ 2.00 %	S	≤ 0.015 %
Cr	17-19.5 %	P	≤ 0.045 %
Ni	8.0-10.5 %	N	≤ 0.11 %

We can also produce milled blanks on request as well as special thicknesses and tolerances.

Material in use

Equipment manufacturing
Pharmacy
Chemical industry
Mechanical engineering
Medical technology
Food industry

Applications

Base plates
Side plates
Machined and engineered parts of all kinds
Machine frames

Properties

relatively free machining
non-magnetic
easy to polish
wear-resistant
good MIG/TIG weldability
arc welding (gas or autogenous welding with limitations)

