

1.4404

1.4404 is an acid-resisting austenitic stainless steel with 17% Cr, 12% Ni and 2,0% Mo. Due to its Mo content, this material has a significantly improved corrosion resistance compared to stainless steels. 1.4404 is resistant to reducing action of organic and inorganic acids as well as against halogen-containing media. Furthermore, this steel is less susceptible to pitting. The low carbon content also improves the resistance to intergranular corrosion and allows use at higher temperatures up to 450 °C in continuous operation. 1.4404 can be cold worked and weld excellent. This material is mainly used in the chemical, textile and paper industries, and is often used in apparatus, in sanitary industry and in pipe fabrication.

Gehe zu



Material Data Sheet

Material Designation	1.4404
AISI/SAE	316L
EN Material Short Name	X2CrNiMo 17-12-2
UNS	S 31603
Norm	10088-2

Main fields of application of 1.4404

This material is mainly used in the chemical, textile and paper industries, and is often used in apparatus, in sanitary industry and in pipe fabrication.

Chemical composition of 1.4404

C	Si	Mn	P	S	Cr	Mo	Ni	N
≤ %	≤ %	≤ %	≤ %	≤ %	%	%	%	≤ %
0,03	1,0	2,0	0,045	0,015	16,5-18,5	2,0-2,5	10,0-13,0	0,11

Delivery program

Sheets / Plates mm

0.5 - 40

Precision strip mm

0.2 - 0.5

Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

Contact us



Sebastian Ferrah

Sales

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