

316LVM / 1.4441

Implant steel with improved corrosion resistance compared to AISI 316L.

Gehe zu



Main fields of application of 1.4441

Osteosyntheses; bone screws, bone plates, marrow-nails. Also suitable for watch industry.

Chemical composition of 1.4441

C	≤ 0,030	Cr	17,0 - 19,0
Si	≤ 1,00	Mo	2,5 - 3,2
Mn	≤ 2,0	Ni	13,0 - 15,5
P	≤ 0,025	N	≤ 0,10
S	≤ 0,010	Fe	rest`

Mechanical properties of 1.4441

annealed	specification values (bars)
tensile strength Rm	490 - 690 MPa
elongation A	≥ 40%
cold worked	specification values (bars)
tensile strength Rm	860 - 1100 MPa (higher values upon demand)
elongation A	≥ 12%

Sheets of 1.4441

dimensions	kg/m ²	tolerances
3,2	0,226	+0 / - 0.1 mm
4,5	1.013	+0 / - 0.1 mm

Bars of 1.4441

dimensions	kg/m	tolerances
6,0	0,22	h8
8,0	0,40	h8
12,7	1.01	h8

Further bars and profiles in different executions available upon request.

Delivery program

Various sizes and tolerances available upon request.

Services provided by our internal service center for 1.4441

We can provide various services directly in our service center. You save time, cost (internal or external) and don't need to find solutions for scrap management or handling of heavy plates and long bars.

Services suitable for sheets, plates, coils	Services suitable for round bars
laser and waterjet cutting	sawing of bars
shearing of sheets and plates	bar marking
coil slitting	turning machine

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



Marcel Zuber

Business Unit Manager Services Aerospace & Medical

- +41 (0)44 823 88 39
- +41 (0)79 765 80 67
- Send e-mail

Services



Waterjet cutting



Laser cutting



Plasma cutting



Shear cutting

Weight Calculator