

Data sheet and application

DIM L-1.4310[©]

Material no.: 1.4310
W.-Nr.: 1.4310 X 10 CrNi18-8
DIN 10088-3
AISI 302

Characteristics

The material **DIM L-1.4310** is an austenitic steel that has a high chromium and nickel content and has good polishability. A typical area of application for this stainless steel grade is industrial manufacture of springs. The material is well suited for welding and cold forming. Please note that the magnetizability changes through cold forming.

Base materials

Identical and similar CrNi materials.

Chemical composition

C	Si	Mn	N	Cr	Mo	Ni	Fe
<0,15	2,0	2,0	0,1	16-19	0,8	6-9,5	rest

Certificate of batch upon request.

Mechanical properties of pure weld metal at room temperature

Yield strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A (L0=5d0) %	Impact energy KV J
400	600	35	100

Processing instructions

Protection gases according to ISO 14175
I1: Welding argon 100 %
M12: Argon 97,5 % / CO2 2,5 %