

## Data sheet and application

### DIM L-1.4571<sup>©</sup>

Material no.:	1.4571
DIN 8556:	SG X 6 CrNiMoTi 17 12 2
EN 12072:	G 19 12 3 Nb/W17 12 2 Ti
EN 14343-A:	G/W 17 12 2 Ti
ASTM/AISI:	ER 316 Ti
AFNOR:	Z 6 CNDT 17-12
B.S.:	320 S18
UNI:	X 6 CrNiMoTi 17-12
JIS:	SUS 316 Ti

### Characteristics

DIM L-1.4571 is a stainless Cr-Ni welding wire for joining and surfacing on stabilized, similar, chemically resistant CrNiMo steels in chemical apparatus and equipment construction for operating temperatures from -120°C to 400°C. Also suitable for connection welding of any stainless steel sheet (also of different alloys) without the special requirements of the apparatus construction.

### Materials

For base materials, material no.: 1.4401 / 1.4404/08 / 1.4435/36 / 1.4409- (G-X2 CrNiMo 19-112)  
1.4420 / 1.4573 / 1.4580/81/83  
UNS S31653 / AISI 361L / 316Ti / 316Cb

### Chemical composition

C	Si	Mn	Cr	Mo	Ni	Ti	Fe	P	S
0,06	0,55	1,6	17	2,0	12,5	0,5	Remainder		

Certificate of batch upon request.

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### Mechanical properties of pure weld material

Yield strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A 5 (%)	Impact energy KV J
460	680	35	100

### Processing instructions

Protection gases according to EN ISO 14175

I1: welding Argon 100 % / M12: Argon 97,5 % / CO2 2,5 %