

Qu4842

EN ISO 14343-A: G/W 25 20 ; AWS/ASME SFA5.9; ER310; M.- No.: 1.4842

The weld is suitable for similar, heat-resistant rolled, forged and cast steels. Full austenitic deposit metal. Preferred material against attacks of oxidized, azotic as well as gases with a low oxygen content. Joint welding on heat-resistant Cr-Si-Al-steels which are subject to sulphurous gases. Resistant to scaling up to 1.200°C. Tough at sub-zero temperature up to -196°C. The temperature range between 605° and 900°C should be avoided because of the danger of brittleness.

Recommended for

1.4841, 1.4845, 1.4828, 1.4840, 1.4846, 1.4826

Rework

Material-typical treatment

Material analysis in %

C	Si	Mn	Cr	Ni	Fe
0,12	0,50	1,75	25,0	20,0	Rest

(test certificates upon request.)

Standard/Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	315
Tensile strength Rm	MPa	490
Elongation A (Lo = 5do)	%	25
Hardness untreated	HRC	

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

The reported values were determined by the manufacturer and / or by a neutral Laboratory determined. For the accuracy we cannot guarantee.