

Classifications

AWS A5.23 / SFA-5.23

EN ISO 24598-A

EB91

S S CrMo91

Characteristics and typical fields of application

Thermanit MTS 3 is a solid wire for submerged arc welding; High temperature resistant, resistant to scaling up to 600 °C. Suited for joining and surfacing applications with quenched and tempered 9% Cr steels, particularly for matching high temperature resistant parent metal T91 / P91 according to ASTM.

Recommended SAW flux:

Marathon 543

Base materials

1.4903 – X10CrMoVNb9-1;

ASTM A 199 Gr. T91; A 355 Gr. P91 (T91); A 213/213M Gr. T91

Typical analysis

	C	Si	Mn	Cr	Ni	Mo	V	Nb	N
wt.-%	0.11	0.25	0.50	9.0	0.45	0.95	0.20	0.06	0.04

Structure: Martensite, suitable for quenching and tempering

Operating data

Dimension mm

1.2

1.6

2.0

2.5

3.0

4.0

Approvals

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