



# Elgati 100

GTAW - TIG

Un-alloyed

Date: 2007-10-08  
Revision: 6

## Description:

Elgati 100 is a silicon, manganese double deoxidised welding wire suitable for high integrity TIG welding of mild and medium tensile steels. It is recommended for Si-killed materials.

## Welding current:

DC-

## Wire composition, wt.%

	C	Si	Mn	P	S	Cu
Min	0,07	0,80	1,40			
Typical	0,08	0,90	1,50	0,010	0,015	
Max	0,14	1,00	1,60	0,025	0,025	0,30

## Shielding gas:

I1, Argon, 7-10 l/min

## Stamping

F ER70S-6

## Chemical composition, wt.%

	C	Si	Mn
Min			
Typical	0,07	0,9	1,4
Max			

## Mechanical properties

	<u>Specified</u>	<u>Typical</u>
Yield strength, Re:	≥ 460 MPa	500 MPa
Tensile Strength, Rm:	≥ 530 MPa	620 MPa
Elongation, A5	≥ 22%	26%
Impact energy, CV:	-20°C • >47 J	-20°C • 65 J

## Classification:

EN 1668 W 46 2 W3Si1  
AWS A5.18 ER70S-6

## Approvals:

DB Kennblatt Nr 42.042.03  
TÜV  
CE

## Product data

Diam.mm	Length mm	Product code
1,6	1000	9526-1016
2,0	1000	9526-1020
2,4	1000	9526-1024
3,0	1000	9526-1030