T Union GT Mo

Low Alloyed Steel GTAW Rod/Wire

Classifications

AWS A5.28	EN ISO 21952-B	GB/T8110
ER80S-G(ER70S-A1)	W MoSi	ER55-G

Characteristics and typical fields of application

- 0.5Mo low alloyed GTAW rod and wire.
- Suitable for low alloy and creep resistant steels in pipe and tank construction.

Base materials

Boiler plate grades P235GH,P265GH,P295-GH,16 Mo 3,15NiCuMoNb5;
20MnMMMo45;
Pipe steel grades St35;St45;St35.8and St45.8;
Fine-grained structural steel grades up to S460N.

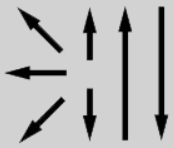
Typical analysis of all-weld metal

C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V	Cu		
0.10	0.55	1.10	0.008	0.008	0.02	0.04	0.50	≤0.01	≤0.03	≤0.30		

Mechanical properties of all-weld metal – typical values (min. values)

Condition	Yield strength $R_{p0,2}$	Tensile strength R_m	Elongation A (L_0=5d_0)	Impact work ISO-V KV J	
	Mpa	Mpa	%	+20°C	-20°C
620℃/1h	540(≥470)	635(≥550)	30(≥ 22)	260(≥55)	200(≥47)

Operating data



Polarity:

DC -

Dimensions (mm)
0.8
2.0x1000
2.4x1000

Shielding gas:

(ISO 14175)
I1

Approvals

CE, TÜV

All information provided is based upon careful investigation and intensive research.
However, we do not assume any liability for correctness and information is subject to change without notice.