tkM 307Si

Stainless steel wire

Classification	EN ISO 14343-A	AWS A 5.9
	G 18 8 Mn	ER 307

Description

tkM 307Si wire for MIG/MAG welding of chromium-nickel stainless steel, acid-resistant steel in a gas shield. The weld metal is highly resistant to intergranular corrosion, is resistant to cracking and resistant to high mechanical stresses. It is used as a buffer layer for surfacing. Recommended for welding dissimilar, armoured, austenitic-manganese and difficult-to-weld steels

Applications

- dissimilar joints or joining of difficult-to-weld materials,
- joints in Hadfield steel, tool steels,
- buffer layers, welding of steel with high sulphur and phosphorus content.
- welding of armour plates, rails, switches, crane wheels, tensioners
- joining / surfacing in parts of machines used for dredging or extraction

Typical wire composition

C	Si	Mn	Cr	Cu	Ni	Mo	N
0,08	**0,9**	**7,0**	**18,0**	**<0,10**	**8,0**	**<0,5**	**<0,06**

Typical tensile properties

Yield strength MPa	Tensile strength MPa	Elongation ($L_0 = 5d_0$) %	Impact value in J KCV 20 °C
>650	> 460	~ 30	130

Welding positions

Polarity = +

Shielding gas Ar+2%O2

Diameter (mm)/ packing 0,8 – 1,6
15kg/18kg spool BS300 / 250kg drum

Certificates CE