

IABCO S3NiMo1

SAW wire for low alloy steels

Product name	IABCO S3NiMo1
Classification EN ISO	14171-A: S3Ni1Mo 26304-A: S3Ni1Mo
Material No.	-
Classification AWS	A5.23: EF3
Approvals	TÜV 12686.00, CE.
Applications	Submerged arc welding wire for high strength structural steels.
Base materials	For high strength low alloy fine-grained steels with yield strengths up to ~550MPa (80ksi). ASTM: A182 grade F36, A335 grade P36, A533, A537. P460NL1, P460ML1, S460Q-S550Q, S460QL-S550QL, P460Q-P500Q, P460QL1- 500QL1. 15NiCuMoNb5-6-4 (1.6368).
Typical analysis of wire, weight %	C: 0.12 Si: 0.20 Mn: 1.75 Ni: 0.90 Mo: 0.55
Typical heat treatment ⁽¹⁾	Welding procedure (including preheat temperature, interpass temperature and PWHT) will be dependent on the base material being welded, including its thickness, and any applicable design codes.
Mechanical properties of weld deposit ⁽²⁾	Mechanical properties will be dependent on the welding procedure and flux.
Other products	MIG/GMAW: A31, FK 2. TIG/GTAW: A31.

- Notes** (1) Application codes and project specifications should always be referred to for specific requirements.
(2) Actual mechanical properties will be dependent on specific welding procedure (including shielding gas, flux, PWHT etc) and should always be confirmed by approval of an appropriate welding procedure.