

EZ - SG 100

CLASSIFICATION

EN ISO 12534	AWS / ASME SFA-5.28
G 69 4 M Mn3Ni1CrMo	ER100S-G

DESCRIPTION AND APPLICATION

A copper or bronze coated solid wire alloyed with manganese, nickel, chromium and molybdenum. It is used for welding of fine-grained steels with tensile strength up to 690 N/mm² like N-A-XTRA 70 and WELDOX steels.

Steel grade	HRN	DIN (W. Nr.)	HRN / EN / ISO
Fine-grained constructional steels	Č 0690	StE 690 V (1.8931)	S690Q

MECHANICAL PROPERTIES OF THE ALL-WELD METAL

R _{eL} N/mm ²	R _m N/mm ²	A ₅ %	KV (-40°C) J
> 690	750 - 940	> 20	≥ 47

APPROXIMATE CHEMICAL COMPOSITION OF THE ALL-WELD METAL

	C	Si	Mn	Cr	Ni	Mo	Cu	V
%	0,12	0,4 - 0,7	1,3 - 1,8	0,2 - 0,4	1,2 - 1,6	0,2 - 0,3	≤ 0,3	0,05 - 0,13

SHIELDING GAS

M21 ili C1

PACKAGING

Wire diameter mm	Winding
0,8; 1,0; 1,2	precision-wound (S-S)
15 kg - metal spool (S-S)	

APPROVALS

DB; TÜV

