

EZ - SG 3

CLASSIFICATION

EN ISO	AWS / ASME	DIN	W. Nr.
14341-A	SFA-5.18	8559	
G 46 4 C/M 4Si1	ER70S-6	SG 3	1.5130

DESCRIPTION AND APPLICATION

Coppered or bronze coated solid wire for welding in C1 (CO₂) or M21 (Ar/CO₂) shielding atmosphere. Suitable for welding of mild and low-alloy steels with strength up to 640 N/mm².

Steel grade	HRN	DIN (W. Nr.)		EN / ISO
Constructional steels	Č 0361 to Č 0563	St 37-3N (1.0116) to St 52-3N (1.0570)		S 235J2G3 to S355J2G3 Fe 310-0 to Fe 490-2
Boiler steels	Č 1202 Č 1204 Č 3133 Č 3105	HI (1.0345)	HI1 (1.0425)	P235GH P265GH P295GH P355GH
Tube and pipe steels	Č 1212 to Č 3100	St 35.4 (1.0309) to St 52.4 (1.0581) StE 210.7 (1.0307) to StE 360.7 (1.0582)		DX55D to P355T2 L210 to L360NB
Shipbuilding steels	A, B, D, E AH 32 to EH 36	A, B, D, E AH 32 to EH 36		
Fine-grained steels	ČRO 250 to ČRO 460 ČRV 250 to ČRV 460	StE 285 (1.0486)	StE 460 (1.8905)	P275N P460N P275NH P460NH
Cast steels	ČL 0300 to ČL 0500	WStE 285 (1.0487) WStE 460 (1.8935) GS-38 (1.0416) to GS-52 (1.0551)		C18D to S355JRC

MECHANICAL PROPERTIES OF THE ALL-WELD METAL

R _{eL} N/mm ²	R _m N/mm ²	A ₅ %	KV (-40°C) J
> 460	530 - 680	> 22	≥ 47

APPROXIMATE CHEMICAL COMPOSITION OF THE WIRE

	C	Mn	Si	Cu
%	0,08 - 0,12	1,6 - 1,8	0,9 - 1,1	≤ 0,3

SHIELDING GAS

C1 or M21

PACKAGING

Wire diameter mm	Winding
0,8; 1,0; 1,2; 1,6	Precision-wound (S-S)
15 kg - wire spool	

APPROVALS

DB; TÜV

