

CEWELD E 9018-G

TYPE Mo-Ni-alloyed, basic coated stick electrode with high toughness and low H2 content. (Type E9018-G, E 62 4)

APPLICATIONS CEWELD® E 9018-G is a basic coated welding electrode, very tough, has a high tensile strength and yield strength. Used for welding steel with a tensile strength between 620 and 760 MPa. Used for joining cast steel, pipes, boilers, pressure vessels and bearing frames in crane construction, heavy engineering, offshore, etc.

PROPERTIES CEWELD® E 9018-G shows a stable arc, more even welding and easy slag removal. Very good notched bar impact values down to -60°C are achieved with a yield strength up to 620 MPa and a hydrogen content of HD 4 ml/100gr.

CLASSIFICATION

AWS	A 5.5: E 9018-G
EN ISO	18275-A: E 62 4 1NiMo B 42 H5
F-nr	4
FM	2

SUITABLE FOR **ReH ≤ 620 MPa ISO 15608: 1.2 (275 < ReH < 360 MPa), 1.3 (ReH > 360 MPa < 620 MPa)**
 1.8900, 1.8901, 1.8902, 1.8903, 1.8905, 1.8907, 1.8910, 1.8912, 1.8915, 1.8917, 1.8930, 1.8932, 1.8935, 1.8937, 1.8970, 1.8971, 1.8972, 1.8973, 1.8975
 S460N, S420N, S460NL, P460N, StE 420, StE 460, StE 500, StE 550 TStE 380, S420NL, P460NL1, P420NH, P460NH, TStE 420, TStE 460, TStE 500, TStE 550 WStE 380, WStE 420, WStE 460, WStE 500, WStE 550, StE 385.7, StE 385.7 TM, StE 415, L485ME
 ASTM A 203 Gr. D, E; A 350 Gr. LF1, LF2, LF3; A 420 Gr. WPL3, WPL6; A 516 Gr. 60, 65, 70; A 572 Gr. 42, 50, 55, 60, 65; A 633 Gr. A, D, E; A 662 Gr. A, B, C; A 707 Gr. L1, L2, L3; A 738 Gr. A; A 841 A, B, C; API 5 L X52, X60, X65, X52Q, X60Q, X65Q, X70
 Oceanfit 52, Oceanfit 60, Oceanfit 65, Oceanfit 355, Oceanfit 420, Oceanfit 460, PAS 460-550, alform® 500 M, 550 M, aldur 500 Q, 500 QL, aldur 550 Q, 550 QL

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

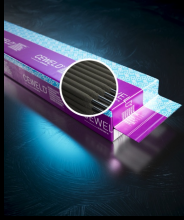
C	Si	Mn	P	S	Ni	Mo	Fe
0.07	0.55	1.2	0.02	0.02	1.4	0.45	Rem.

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				RT	-40°C	
As Welded	650	720	20	150	52	HRc

REDRYING 400°C / 2 hr

GAS ACC. EN ISO 14175



CEWELD E 9018-G

E 9018-G 2,5 X 300MM

Packaging	KG/unit	EanCode
Can	2.6	8720663424389

E 9018-G 3,2 X 450MM

Packaging	KG/unit	EanCode
Can	3,2	8720663424402

E 9018-G 4,0 X 450MM

Packaging	KG/unit	EanCode
Can	3.3	8720663424426

E 9018-G 5,0 X 450MM

Packaging	KG/unit	EanCode
Can	3.3	8720663424440