



CEWELD E 7016

TYPE E 7016 Double coated semi basic welding electrode for stick welding.(Type E7016, E 42 4 B)

APPLICATIONS CEWELD® E 7016 is a Double-coated semi basic CTOD tested electrode with excellent welding properties in difficult positions and shows high mechanical properties. It is particularly suited for cheap welding machines with low open voltage on AC and DC+.
Repair welding, root runs, vessel, shipbuilding, construction buildings, fences, bridges

PROPERTIES CEWELD® E 7016 is ideal for old and rusty materials due to its stable and intensive arc. Also due to its absolute insensitivity to rust or thin base materials as well as for root passes and in the maintenance and repair sector. Hydrogen content: H < 10 ml/100 g weld metal.
CTOD tested

CLASSIFICATION

AWS	A 5.1: E 7016
EN ISO	2560-A: E 42 4 B 12 H10
F-nr	4
FM	1

SUITABLE FOR **Rp < 420 MPa (60ksi) ISO 15608: 1.1** ReH < 275 MPa, 1.2 275 < ReH < 360 MPa , (1.3 ReH > 360 MPa < 420 MPa)
1.0345, 1.0345, 1.0348, 1.0352, 1.0418, 1.0420, 1.0425, 1.0425, 1.0425,1.0451, 1.0452, 1.0453, 1.0457, 1.0459, 1.0460, 1.0460, 1.0461, 1.0486, 1.0490, 1.0491, 1.0619, 1.1100, 1.0409, 1.0421, 1.0426, 1.0429, 1.0430, 1.0436, 1.0473, 1.0481, 1.0482, 1.0484, 1.0505, 1.0545, 1.0546, 1.0562, 1.0566, 1.0570, 1.0578, 1.0581, 1.0582, 1.8902, 1.8912, 1.8932
10Ni14, 12Ni14, 13MnNi6-3, 15NiMn6,
S235JR-S355JR, S235JO-S355JO, S450JO, S235J2-S355J2, S275N-S460N, S275M-S460M, P235GH-P355GH, P275NL1-P460NL1, P215NL, P265NL, P355N, P285NH-P460NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L450QB, L245MB-L450MB, GE200-GE240,
A, B, D, E, A 32-E 36
ASTM A 106 Gr. A, B, C; A 181 Gr. 60, 70; A 283 Gr. A, C; A 285 Gr. A, B, C; A 350 Gr. LF1; A 414 Gr. A, B, C, D, E, F, G; A 501 Gr. B; A 513 Gr. 1018; A 516 Gr. 55, 60, 65, 70; A 573 Gr. 58, 65, 70; A 588 Gr. A, B; A 633 Gr. C, E; A 662 Gr. B; A 711 Gr. 1013; A 841 Gr. A; API 5 L Gr. B, X42, X52, X56, X60, Domex 315-420MC, MC Plus, ML

APPROVALS CE, TÜV: 12531.00

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	S
0.05	0.65	1	0.025	0.025

MECHANICAL PROPERTIES

Heat Treatment	Rp0,2 (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				-40°C	-30°C	
As Welded	450	560	25	75	100	HRc

REDRYING 400°C / 1 hr

GAS ACC. EN ISO 14175



CEWELD E 7016

E 7016 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,4	8720663400987

E 7016 2,5 X 350MM

Packaging	KG/unit	EanCode
Vacuum	1,9	8720682050255

E 7016 3,2 X 350MM

Packaging	KG/unit	EanCode
Vacuum	1,9	8720682050293

E 7016 3,2 X 450MM

Packaging	KG/unit	EanCode
Vacuum	2,5	8720682050309

E 7016 4,0 X 450MM

Packaging	KG/unit	EanCode
Vacuum	2,3	8720682050316

E 7016 5,0 X 450MM

Packaging	KG/unit	EanCode
Vacuum	2,5	8720682050323