

CEWELD E 9016-B9

TYPE	Basic, Cr and Mo-alloyed electrode for heat resistant steels T/P91 and T/P92																																
APPLICATIONS	Headers, main steam piping and turbine casings, in fossil fuelled power generating plants. Oil refineries and coal liquefaction and gasification plants. Preheat and Interpas temperature 200°C - 300°C.																																
PROPERTIES	CEWELD® E 9016-B9 is designed to weld equivalent 'type T91' T92 CrMo steels modified with small additions of Tungsten and Vanadium to give improved long term creep properties. These consumables are specifically intended for high integrity structural service at elevated temperature so the minor alloy additions responsible for its creep strength are kept above the minimum considered necessary to ensure satisfactory performance. In this case, weldments will be weakest in the softened (intercritical) HAZ region of parent material, as indicated by so-called 'type IV' failure in transverse weld creep tests.																																
CLASSIFICATION	AWS A 5.5: E9016-B91 EN ISO 3580-A: E CrMo91 F-nr 4 FM 4																																
SUITABLE FOR	9%Cr, 1%Mo, VNb 1.7389, 1.7386, 1.4922, 1.4935, 1.4904, 1.4903, 1.4955, X11CrMo9-1, X12CrMo9.1, X20CrMoV10-1, X10CrMoVNb9-1, GX12CrMoVNbN9-1 ASTM Grade 91, T91, P91, F91, FP91, WP91, C12A STPA28, STBA28																																
APPROVALS	CE																																
WELDING POSITIONS	 PA  PB  PC  PF																																
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1"> <thead> <tr> <th>C</th><th>Si</th><th>Mn</th><th>P</th><th>S</th><th>Cr</th><th>Ni</th><th>Mo</th><th>Nb</th><th>V</th><th>N</th></tr> </thead> <tbody> <tr> <td>0.1</td><td>0.3</td><td>0.9</td><td>0.008</td><td>0.008</td><td>9</td><td>0.5</td><td>1</td><td>0.08</td><td>0.2</td><td>0.03</td></tr> </tbody> </table>											C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V	N	0.1	0.3	0.9	0.008	0.008	9	0.5	1	0.08	0.2	0.03
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REDRYING	400°C / 1 hr																																
GAS ACC. EN ISO 14175																																	

CEWELD E 9016-B9

E 9016-B9 3,2 X 350MM

Packaging

KG/unit

EanCode

VAC pack

1,9

8720663401465