



CEWELD AA 90S-B9

TYPE	Metal core wire for heat and creep resistant applications																
ANWENDUNGEN	Headers, main steam piping and turbine casings, in fossil fuelled power generating plants. Oil refineries and coal liquefaction and gasification plants.																
EIGENSCHAFTEN	AA 90S-B9 is designed to weld equivalent 'type 91' P91 9CrMo steels modified with small additions of niobium, vanadium and nitrogen 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.																
KLASSIFIKATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.28: ~ER 90S-B9</td> </tr> <tr> <td>EN ISO</td> <td>17634-B: 9C1MV</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>4</td> </tr> </table>	AWS	A 5.28: ~ER 90S-B9	EN ISO	17634-B: 9C1MV	F-nr	6	FM	4								
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GEEIGNET FÜR	1.4903 X10CrMoVNb9-1, GX12CrMoVNbN9-1 ASTM A 335 Gr. P91, A 336 Gr. F91, A 369 Gr. FP91, A 387 Gr. 91, A 213 Gr. T91, A 182 AFNOR NF A-49213/A-49219 Gr TU Z 10, CDVNb 09-01																
ZULASSUNGEN	CE																
SCHWEISSPOSITIONEN	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> </tr> <tr> <td>PA</td> <td>PB</td> <td>PC</td> </tr> </table>				PA	PB	PC										
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TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.3</td> <td>1</td> <td>9</td> <td>0.3</td> <td>1</td> <td>0.2</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	V	0.1	0.3	1	9	0.3	1	0.2		
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RÜCKTROCKNUNG	Not required																
GAS ACC. EN ISO 14175	M21																



CEWELD AA 90S-B9

AA 90S-B9 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663401984