



CEWELD NILO Alloy 36

TYPE	Filler metal with extreme low thermal expansion.														
APPLICATIONS	CEWELD® NILO Alloy 36 is designed for welding applications that require very low thermal expansion to prevent solidification and reheating cracks.														
PROPERTIES	CEWELD® NILO Alloy 36 is formulated to have low thermal expansion characteristics similar to the basemetal Alloy 36, while providing freedom from solidification and reheat cracking. Similar to Mat.nr: 1.3912 and 1.3990														
CLASSIFICATION	W.Nr. 1.3912, ~1.3990														
SUITABLE FOR	NILO Alloy 36, (Invar 36) (K93600) (W.Nr.1.3912, 1.3990) (Nilo 36)(Ni36)(FeNi36)(Alloy 36)(36FN)(ING 7272LF)(4J36)(SimondslnVar136)(Vacodil 36)(Nicloy 36)(36NiCKel)(36H)(36H-Bц)(ЭИ36)(HS-36) (36Ni. InVar 7).														
APPROVALS	No Approvals Found														
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>C</td> <td>Mn</td> <td>Ni</td> <td>Fe</td> <td>Nb</td> <td>Ti</td> <td>Si</td> </tr> <tr> <td>0.25</td> <td>0.5</td> <td>36</td> <td>Rem.</td> <td>1.2</td> <td>0.25</td> <td>0.35</td> </tr> </table>	C	Mn	Ni	Fe	Nb	Ti	Si	0.25	0.5	36	Rem.	1.2	0.25	0.35
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">Heat Treatment</td> <td style="width: 12.5%;">R_{p0,2} MPa</td> <td style="width: 12.5%;">R_m MPa</td> <td style="width: 12.5%;">A₅ (%)</td> <td style="width: 38%;">Impact Energy (J) ISO-V RT</td> </tr> <tr> <td>As Welded /</td> <td>360</td> <td>550</td> <td>25</td> <td>60</td> </tr> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V RT	As Welded /	360	550	25	60				
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As Welded /	360	550	25	60											
REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175	I1, I3														



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NILO ALLOY 36 1,14MM

Type	KG/unit	EANCode
BS-300	13,6	8720663417831
BS-300	13,6	8720663417848