




CEWELD 309LMo

TYPE	Solid stainless steel wire for dissimilar welding and cladding.(Type 309LMo, 23 12 2L, 1.4459)																
APPLICATIONS	CEWELD 309LMo is a solid, corrosion-resistant '309LMo' type wire used for overlay welding unalloyed and low-alloy steels, as well as dissimilar steels such as 316L to unalloyed and low-alloy steels, where molybdenum (Mo) is essential. It is also used for buffer layers before hard facing and for dissimilar joints between ferritic and austenitic steels, as well as for joining other stainless steel types to standard carbon steel. It is recommended for cladding on low-alloyed steel when AISI 316 is required as the initial layer.																
PROPERTIES	CEWELD 309LMo has excellent corrosion resistance in oxidising air up to 950°C. It has good resistance to hot cracking due to its high molybdenum content. During build-up welding, the weld metal achieves the composition of ASTM 316 in the first layer.																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ER309LMo</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: G 23 12 2 L</td> </tr> <tr> <td>W.Nr.</td> <td>1.4459</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>5</td> </tr> </table>	AWS	A 5.9: ER309LMo	EN ISO	14343-A: G 23 12 2 L	W.Nr.	1.4459	F-nr	6	FM	5						
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SUITABLE FOR	<p>ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, 1.4583, 1.4435, 1.4436, 1.4404, 1.4406, 1.4408, 1.4401, 1.4571, 1.4580, 1.4406, 1.4521, 1.4301, 1.4306, X102CrNiMoNb 18 12, X2CrNiMo 18 14 3 (TP), X4CrNiMo 17 13 3, X2CrNiMo 17 12 2 (TP), X 5CrNiMo 19 11 2, X4CrNiMo 17 12 2 (TP), X6CrNiMo 17 12 2, X6CrNiMoNb 17 12 3, X2CrNiMoN 17 12 3 (TP), X2CrMoTi18-2 316Cb, 316L, 316LN, 316H, 316, 316Ti, 316Cb, 316LN, 321, 410, 444 S31640, S31603, S31653, S31600, S31630, S44400</p>																
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WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; 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> </tr> </thead> <tbody> <tr> <td>0.02</td> <td>0.5</td> <td>1.4</td> <td>24</td> <td>13</td> <td>2.5</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	0.02	0.5	1.4	24	13	2.5				
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		RT	-40°C														
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REDRYING	Not required																
GAS ACC. EN ISO 14175	M13, M12																



CEWELD 309LMo

309LMO 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414106
D-100	1	8720663414113

309LMO 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414168

309LMO 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414175