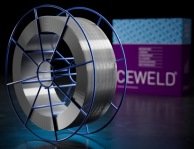


CEWELD 2209 Duplex

TYPE	Duplex 2209 stainless steels welding wire. Type (Type 2209, 1.4462)																
APPLICATIONS	CEWELD® 2209 Duplex is used for pipe welding and in general fabrication in the offshore oil and gas industry and in the chemical process industry. It is also suitable for cladding steels to obtain corrosion-resistant layers.																
PROPERTIES	CEWELD® 2209 Duplex exhibits corrosion resistance similar to that of grade 904L in most applications. In addition to high strength and toughness properties, CEWELD® 2209 Duplex also exhibits excellent resistance to stress corrosion cracking and pitting (PREN > 35). The operating temperature range is from -40 °C to +250 °C. Ferrite content 30-60 FN (WRC)																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ER2209</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: G 22 9 3 N L</td> </tr> <tr> <td>W.Nr.</td> <td>1.4462</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>5</td> </tr> </table>	AWS	A 5.9: ER2209	EN ISO	14343-A: G 22 9 3 N L	W.Nr.	1.4462	F-nr	6	FM	5						
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EN ISO	14343-A: G 22 9 3 N L																
W.Nr.	1.4462																
F-nr	6																
FM	5																
SUITABLE FOR	<p>ISO 15608: 10.1-10.2 Austenitic < 24 % Cr ≤ 4% Ni, DUPLEX 2209, 22%Cr 9%Ni 3%Mo 1.4162, 1.4362, 1.4417, 1.4460, 1.4462, 1.4463, 1.4583 X 2 CrNiMoSi 19 5, X 2 CrNiN 23 4, X 2 CrNiMoN 22 5 3, X10CrNiMoNb18-12, X2CrMnNiN21-5-1 316LN, 318LN UNS S31803, S32205, S32304 SAF 2205 Fafer 4462, NKCr22, SM22Cr, Falc 223 UR 45N & UR 45N+, 2101, 2205, UR 35 N SAF 2304 mix 1.4462 X2CrNiMoN22-5-3 mit P235GH/ P265GH, S255N, P295GH, S355N, 16Mo3</p>																
APPROVALS	TÜV: (12397), CE																
WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>N</th> <th>Cu</th> </tr> </thead> <tbody> <tr> <td>0.02</td> <td>0.5</td> <td>1.6</td> <td>23</td> <td>9</td> <td>3</td> <td>0.14</td> <td>0.1</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	N	Cu	0.02	0.5	1.6	23	9	3	0.14	0.1
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MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{P0.2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th>RT</th> <th>-60°C</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>625</td> <td>780</td> <td>26</td> <td>130</td> <td>85</td> <td>HRc</td> </tr> </tbody> </table>	Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	RT	-60°C	As Welded	625	780	26	130	85	HRc
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		RT	-60°C														
As Welded	625	780	26	130	85	HRc											
REDRYING	Not required																
GAS ACC. EN ISO 14175	M13, M12																



CEWELD 2209 Duplex

2209 DUPLEX 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414496
D-100	1	8720663414489

2209 DUPLEX 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414502
D-100	1	8720663414519

2209 DUPLEX 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663414526
D-200	5	8720663414533