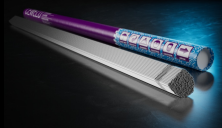


CEWELD 2209 Duplex Tig

TYPE	Solid drawn wire rod for welding Duplex stainless steels.(Type 2209, 1.4462)																													
APPLICATIONS	CEWELD® 2209 Duplex Tig 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 Tig exhibits corrosion resistance similar to that of grade 904L in most applications. In addition to high strength and toughness properties, CEWELD® 2209 Duplex Tig 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	AWS EN ISO W.Nr. F-nr FM	A 5.9: ER2209 14343-A: W 22 9 3 N L 1.4462 6 5																												
SUITABLE FOR	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																													
APPROVALS	TÜV: (12396), CE																													
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>P</th> <th>S</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>0.01</td> <td>0.01</td> <td>23</td> <td>9</td> <td>3</td> <td>0.15</td> <td>0.1</td> </tr> </tbody> </table>										C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	0.02	0.5	1.6	0.01	0.01	23	9	3	0.15	0.1
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MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>725</td> <td>810</td> <td>30</td> <td>140</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	725	810	30	140	85	HRc							
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				RT	-60°C																									
As Welded	725	810	30	140	85	HRc																								
REDRYING	Not required																													
GAS ACC. EN ISO 14175	I1																													



CEWELD 2209 Duplex Tig

2209 DUPLEX TIG 1,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414540

2209 DUPLEX TIG 1,2 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414557

2209 DUPLEX TIG 1,6 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414564

2209 DUPLEX TIG 2,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414571

2209 DUPLEX TIG 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414588

2209 DUPLEX TIG 3,2 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414595

2209 DUPLEX TIG 4,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414618