



# CEWELD 2209 Duplex Tig

TYPE	Solid drawn filler metal for welding Duplex stainless steels.(Type 2209, 1.4462)																			
APPLICATIONS	Used for pipe work and general fabrication in the offshore oil and gas and chemical process industries. Also suitable for cladding steels to obtain corrosion resistant layers.																			
PROPERTIES	A continuous, solid, corrosion-resistant, duplex wire for welding austenitic-ferritic stainless alloys of the 22% Cr, 5% Ni, 3% Mo types. CEWELD 2209 has high general corrosion resistance. In media containing chloride and hydrogen sulphide, the alloy has a high resistance to intergranular corrosion, pitting and especially to stress corrosion. The alloy is used in a variety of applications across all industrial segments.																			
CLASSIFICATION	AWS	A 5.9: ER2209																		
	EN ISO	14343-A: W 22 9 3 N L																		
	F-nr	6																		
	FM	5																		
	W.Nr.	1.4462																		
SUITABLE FOR	<b>ISO 15608: 10.1-10.2 Austenitic &gt; 24 % Cr ≤ 4% Ni, DUPLEX 2209, 22%Cr 9%Ni 3%Mo</b> 1.4417, 1.4462, 1.4362, 1.4162, 1.4463, 1.4460, 1.4583 X 2 CrNiMoSi 19 5, X 2 CrNiN 23 4, X 2 CrNiMoN 22 5 3, X10CrNiMoNb18-12 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 (TÜV (12396.00)) 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> </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> </tr> </tbody> </table>		C	Si	Mn	P	S	Cr	Ni	Mo	N	0.02	0.5	1.6	0.01	0.01	23	9	3	0.15
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th>R<sub>p0,2</sub></th> <th>R<sub>m</sub></th> <th>A<sub>5</sub></th> <th colspan="2">Impact Energy (J) ISO-V</th> </tr> <tr> <th>MPa</th> <th>MPa</th> <th>(%)</th> <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> </tr> </tbody> </table>		Heat Treatment	R <sub>p0,2</sub>	R <sub>m</sub>	A <sub>5</sub>	Impact Energy (J) ISO-V		MPa	MPa	(%)	RT	-60°C	As Welded /	725	810	30	140	85	
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	MPa	MPa	(%)	RT	-60°C															
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REDRYING TEMPERATURE	Not required																			
GAS ACCORDING EN 14175	I1																			



# CEWELD 2209 Duplex Tig

2209 DUPLEX TIG 1,0 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414540

2209 DUPLEX TIG 1,2 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414557

2209 DUPLEX TIG 1,6 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414564

2209 DUPLEX TIG 2,0 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414571

2209 DUPLEX TIG 2,4 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414588

2209 DUPLEX TIG 3,2 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414595

2209 DUPLEX TIG 4,0 X  
1000MM

Type	KG/unit	EANCode
Tube	5	8720663414618