

## 310

<b>CATEGORY</b>	GMAW-GTAW Solid wires																																			
<b>TYPE</b>	High heat resistant stainless steel welding wire.																																			
<b>APPLICATIONS</b>	Common applications include industrial furnaces, annealing chambers, fused salt treatment installations and boiler parts, as well as heat exchangers.																																			
<b>PROPERTIES</b>	Solid drawn ,corrosion-resistant, chromium-nickel wire for welding heat-resistant austenitic steels of the 25% Cr, 20% Ni types. 310 has good general oxidation resistance, especially at high temperatures, due to its high Cr content. The alloy is fully austenitic and is therefore sensitive to hot cracking. The temperature limits for use under intermittent oxidation depend on cycle frequency. In no case shall a temperature of 1000°C be exceeded. This alloy can withstand relatively severe thermic shock, and is superior to type 309 L.																																			
<b>CLASSIFICATION</b>	AWS	A 5.9: ER 310																																		
	EN ISO	14343-A: G 25 20 Mn																																		
	DIN: W.Nr.	1.4842																																		
	DIN	8556: SG X12CrNi 25 20																																		
<b>SUITABLE FOR</b>	Heat resistant stainless steels: 1.4823, 1.4826, 1.4828, 1.4832, 1.4835, 1.4840, 1.4841, 1.4846, 1.4848, 1.4837, 1.4710, 1.4713, 1.4724, 1.4726, 1.4742, 1.4745, 1.4762, 1.4845, 1.4849, 253MA, X15CrNiSi 25 20, G-X40CrNiSi 25 12, G-X15CrNi 25 20																																			
<b>APPROVALS</b>	CE approved																																			
<b>WELDING POSITIONS:</b>																																				
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<b>REDRYING TEMPERATURE</b>	not required																																			
<b>GAS ACC. EN ISO 14175:</b>	M13																																			