










# CEWELD 320 Tig

TYPE	Solid stainless steel rods for high corrosive environments									
APPLICATIONS	CEWELD® 320 Tig is used in a variety of industries, including chemical processing, petrochemical and refining, marine, pharmaceutical and food processing. End use applications include storage tanks, mixing tanks, agitators, pump and valve parts, food processing equipment, fasteners and fittings									
PROPERTIES	CEWELD® 320 Tig was designed specifically to withstand sulfuric acid. Its nickel, chromium, molybdenum and copper levels all provide excellent general corrosion resistance. Restricted carbon plus columbium stabilization permits welded fabrications to be used in corrosive environments, normally without post-weld heat treatment. At 33% nickel, CEWELD® 320 Tig has practical immunity to chloride stress corrosion cracking. This alloy is often chosen to solve SCC problems, which may occur with 316L stainless									
CLASSIFICATION	AWS	A 5.9: ER320								
	EN ISO	14343-B: W 320								
	F-nr	6								
	FM	5								
SUITABLE FOR	Alloy 20, Carpenter 20, 320									
APPROVALS	CE									
WELDING POSITIONS	      									
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	Cu
	0.014	0.5	1.6	0.007	0.007	20	34	2.5	0.25	3.5
MECHANICAL PROPERTIES	Heat Treatment			R <sub>P0,2</sub> (MPa)		R <sub>m</sub> (MPa)		A5 (%)	Hardness	
	As Welded			400		590		35	HRc	
REDRYING	Not required									
GAS ACC. EN ISO 14175	I1									



# CEWELD 320 Tig

320 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720682050187

320 TIG 1,6 X 914MM

Packaging	KG/unit	EanCode
Tube	5	8720663415479