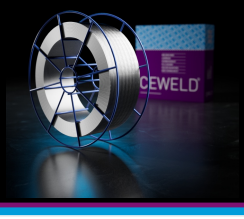


CEWELD 320 LR

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid stainless steel wire for high corrosive environments. (Type 320, Alloy20,Valbruna AV20)

APPLICATIONS

CEWELD® 320 LR (equivalent to Alloy 20 or Valbruna AV20) is used in many industries, including chemical processing, petrochemicals and refineries, shipbuilding, pharmaceuticals, and food processing. End uses include equipment for industries that produce or use sulfuric acid, storage tanks, mixing tanks, agitators, pump and valve parts, food processing equipment (resistance to fruit acids and fatty acids), fasteners and fittings, and the production of synthetic plastics.

PROPERTIES

CEWELD® 320 LR has been specially developed for high resistance to sulfuric acid. The high nickel, chromium, molybdenum, and copper content ensures excellent general corrosion resistance. Due to the limited carbon content and niobium stabilization, welded structures can generally be used in corrosive environments without heat treatment after welding. With a nickel content of 33 percent, CEWELD® 320 LR is virtually immune to chloride-induced stress corrosion cracking. This alloy is often chosen to solve SCC problems that can occur with 316L stainless steel.

CLASSIFICATION

AWS	A 5.9: ER320
EN ISO	14343-B: G 320
W.Nr.	2.4660
F-nr	6
FM	5

SUITABLE FOR

2.4660,
AISI 320, A351, A744 Gr. CN-7M
UNS N08020
Alloy 20, Carpenter 20, 320, Nicrofer 3620 nb, Carpenter 20, Incoloy 20, NiCr20CuMo

APPROVALS

CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Cu
0.06	0.5	1.6	20	34	2.5	3.5

MECHANICAL PROPERTIES

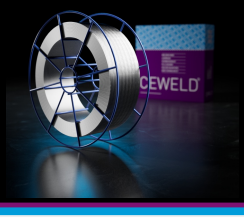
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	400	590	35	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

M13



CEWELD 320 LR

320 LR 1.2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415455

320 LR 1.6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415462