# **CEWELD®**

## **SA 904L**

CATEGORY	SAW Submerg	ged arc							
TYPE	SAW stainless steel austenitic filler metal with excelent corrosion resistance								
APPLICATIONS	Tanks and process vessels, Piping systems, agitators, rotors, cast pumps and valves for use in the fertilizer, phosphoric,sulphuric and acetic acid plants								
PROPERTIES	equipment an also find appli needed. In ord	ed for welding materials of similar chemical composition which are used for fabrication of and vessels for handling of sulfuric acid and many chloride containing media. This filler metal may ications for joining Type 317L material where improved corrosion resistance in specific media is der to reduce the propensity for fissuring and hot cracking, the low melting constituents such as n, and phosphorus are controlled to lower levels in this alloy. Best to be used with our fused flux							
CLASSIFICATION	AWS EN ISO DIN: W.Nr. DIN	A 5.9: ER 385 14343-A: S 20 25 5 Cu L 14343-B: SS385 1.4539 8556: ~20 25 5 L Cu							
SUITABLE FOR	W.Nrs: 1.4500, 1.4505, 1.4506, 1.4531, 1.4536, 1.4539, 1.4573, 1.4585, 1.4586, 4 NS N 08904 1.4539, 1.4537, 1.4519, 1.4505, UNS N08904, S31726, X1NiCrMoCu 25-20-5, X1CrNiMoCuN 25-25-5, X4NiCrMoCuNb 20-18-2, Uranus B6								
APPROVALS	CE approved								

### WELDING POSITIONS:



#### WELD DEPOSIT WEIGHT (TYPICAL) %

С	i	Mn	Si	i i	Cr	Ī.	Ni	Мо	N		Cu	Р	i	S
0.019	i	2.05	0.35		20.5		25.1	4.6	0.04	į	1.6	0.014		0.015

#### TYPICAL WELD METAL PROPERTIES

Heat	R <sub>P0,2</sub>	Rm	A5	In	Hardness		
Treatment	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	(%)	+20°C	-40°C	-60°C	HRc / HV
AW	>380	>560	>35	>70			

#### AW: as welded

#### WELDING PARAMETERS / PACKING

Welding P	arameters	Packing						
D (mm) Voltage (V)	Current (A) DC+	spool type	kg / spool	kg / pallet				
1.6 28-30	180-250	K-415	25					
2.0 29-31	200-300	K-415	25					
2.4 29-32	220-380	K-415	25					

REDRYING TEMPERATURE Not required