

Zeron™ 100X SAW

TOP FEATURES

- Designed for strength and resistance to corrosion
- Used for joining supermartensitic stainless steels
- Superior resistance to stress corrosion cracking (SCC) and pitting corrosion

CLASSIFICATION

AWS A5.9M ER2594
EN ISO 14343-A S 25 9 4 N L

CURRENT TYPE

DC+

APPROVALS

ABS	DNV	TÜV
+	+	+

CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn	Si	S	P	Cr	Ni	Mo	W	Cu	N	PREN	PREW
Min.						24.0	9.0	3.5	0.5	0.5	0.2	40	40
Max.	0.03	1.0	1.0	0.01	0.03	26.0	10.0	4.0	1.0	1.0	0.3		
Typical	0.015	0.7	0.4	0.002	0.02	25	9.3	3.7	0.6	0.7	0.23	41	42

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

As welded	Min.	Typical with SSB flux
Tensile strength (MPa)	760	885
0.2% Proof strength (MPa)	550	700
Elongation (%) 4d	15	26
5d	20	24
Reduction of area (%)		48
Impact ISO-V (J) -50°C		40
Hardness, cap/mid (HV)		290

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
2.4	SPOOL	25.0	SAZ100X-24

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.eu for any updated information.