

# Zeron™ 100X MIG

## 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 A5.9. ER2594  
EN ISO 14343-A G 25 9 4 N L

## SHIELDING GASES (ACC. EN ISO 14175)

I3 Inert gas Ar+ 0.5-95% He  
C1 Active gas 100% CO<sub>2</sub>

## APPROVALS

ABS	TÜV
+	+

## CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn	Si	S	P	Cr	Ni	Mo	W	Cu	N	PREN
Min.						24.0	9.0	3.5	0.5	0.5	0.2	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

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

As welded	Min.	Typical
Tensile strength (MPa)	760	860
0.2% Proof strength (MPa)	550	645
Elongation (%)	4d	25
	5d	23
Reduction of area (%)		28
Impact ISO-V (J) -50°C		60
Hardness, cap/mid (HV)		290

## PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
0.8	SPOOL (S300)	12.5	MZ100X-08
1.0	SPOOL (S300)	12.5	MZ100X-10
1.2	SPOOL (S300)	12.5	MZ100X-12

## 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](http://www.lincolnelectric.eu) for any updated information.