

Super Duplex ZERON® 100 for the Marine Industry



Specifications

UNS: S32760 **W. Nr./EN:** 1.4501 **ASTM:** A 182 (Grade F55), A 240, A 276, A 314, A 473, A 479, A 789, A 790, A 815, A 890, A 928, A 988, A 995, EN 10028-7, EN 10088-2, EN 10088-3, EN 10272, EN 10216-5, EN 10217-7
ASME: B16.5, B16.34, B16.47, B31.3, Section VIII Division 1 Case 2244-2, 2245-1, Section III Division 1 Case N-564-2, SA-240, SA-182 (Grade F55), SA-479, SA-815, SA-789, SA-790 **NACE:** ISO 15156 / MRO175 Part 3 **API:** 5LC **BSI:** PD 5500 - Enquiry Case 5500/87

Chemical Composition, %

	Ni	Cr	Mo	Mn	Cu	Si	C	N	S	P	W	Fe
MIN	6.0	24.0	3.0	—	0.5	—	—	0.2	—	—	0.5	—
MAX	8.0	26.0	4.0	1.0	1.0	1.0	0.03	0.3	0.01	0.03	1.0	balance

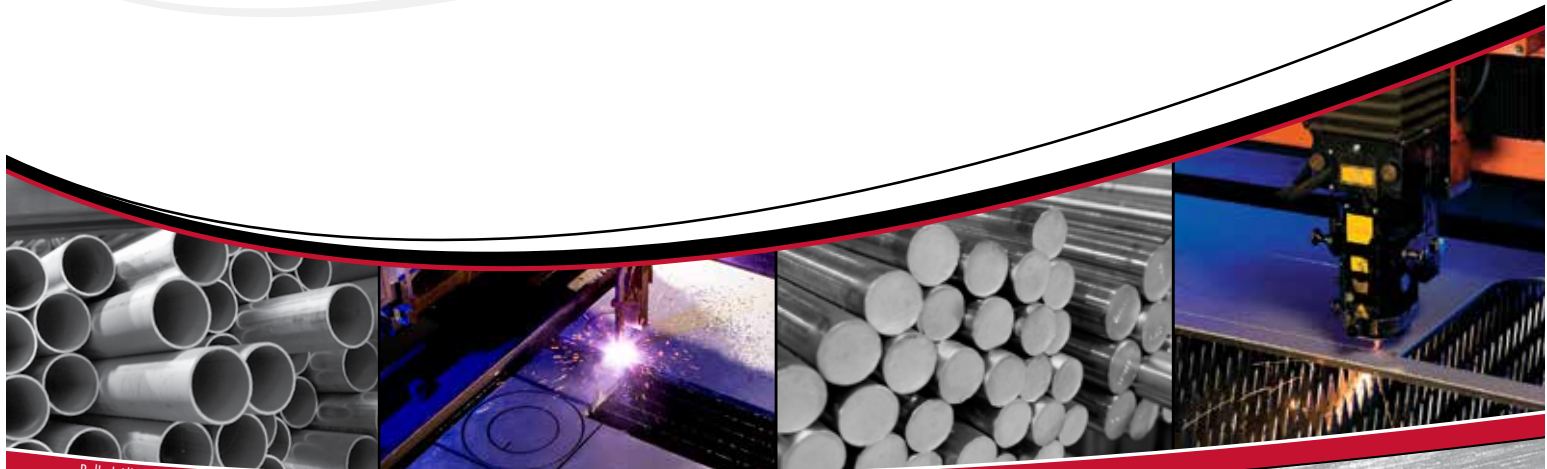
ZERON 100 Advantages

- ZERON 100 is a 25% chromium superduplex stainless steel.
- The high alloy content gives ZERON 100 excellent corrosion resistance in both natural and treated seawater.
- ZERON 100 re-passivates readily when normal temperatures are restored after thermal upsets.
- ZERON 100 has excellent resistance to microbially influenced corrosion.
- The high strength gives ZERON 100 excellent erosion resistance.
- ZERON 100 allows higher water velocities and offers weight and cost savings versus 90/10 Cu-Ni.
- ZERON 100 is listed in ASME codes for vessels and pipes.
- Fully weldable by all arc welding processes.
- Stock availability for end users, OEM's, pump and valve companies.



ZERON 100
Product Range

Pipe/Tubing (Seamless and welded)	0.5" - 48"	Also available as: <ul style="list-style-type: none"> • Forgings • Seam welded tubing (for umbilicals, heat exchanger and instrument tubing) • Fasteners • Wirelines
Fittings (Seamless and welded)	0.5" - 48"	
Flanges	ASME and API	
Sheet	up to 2mm	
Plate	3mm - 50mm	
Bar	6mm - 300mm (dia)	
Welding Consumables	GTAW, SMAW, GMAW, SAW	



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