

ALLOY 904L • UNS N08904 • WNR 1.4539

904L stainless steel is also known as UNS N08904, WNR 1.4539, KS STS 317J5L, BS 904S13, WERKSTOFF NR. 1.4539, SUS 904L, EN X1NiCrMoCu25-20-5, SS2562 and DIN 17440. It is a fully **austenitic** low-carbon variety of **stainless steel** with additives of **molybdenum** and **copper**. Its high **nickel** and **chromium** content make it corrosion resistant in both oxidizing and reducing environments. The copper and molybdenum help to make it resistant to pitting as well as crevice corrosion. The nickel content makes it resistant to chloride SCC and the low proportion of carbon makes it resistant to inter-granular corrosion. It is considered especially well-suited to handling **sulfuric acid** and **phosphoric acid**, though at high temperatures it may be subject to stress corrosion cracking.

In what forms is 904L available?

- Sheet
- Plate
- Bar
- Pipe & Tube (welded & seamless)
- Fittings (i.e. flanges, slip-ons, blinds, weld-necks, lapjoints, long welding necks, socket welds, elbows, tees, stub-ends, returns, caps, crosses, reducers, and pipe nipples)
- Wire

Alloy 904L (UNS N08904) Chemical Composition, %

Ni	Fe	Cr	Mb	Cu	P	C	Mn	S	Si
23.0~28.0	Bal.	19.0~23.0	4.0~5.0	1.0~2.0	0.045 Max	0.02 Max	2.00 Max	0.035 Max	1.0 Max

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
A312 B677	A312	A269 B677	A269 A249	A240 A480	A479 A484	A182	B366

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FLANGES



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PIPE FITTINGS:



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WELDING ELECTRODES:

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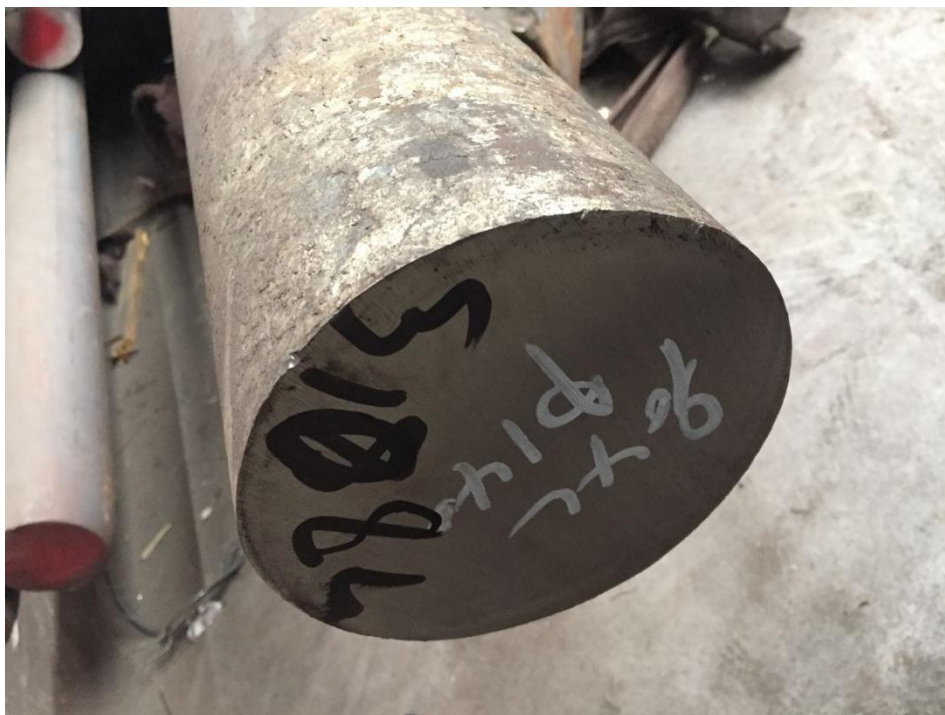


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ROUND BAR:

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