



## Seamless Austenitic Stainless Steel Tubes Grade UNS N08904 / TP904L / 1.4539

- ▶ We have extended our stock programme for you: Seamless austenitic stainless steel tubes and pipes in grade TP904L/1.4539, available from stock (see reverse)
- ▶ Main use: For highly critical corrosion problems in the chemical and petrochemical industry, pulp and paper industry as well as for flue gas desulfurization plants
- ▶ This austenitic speciality with its high molybdenum and a reduced carbon content offers excellent resistance to:
  - reductive acids like sulphuric and phosphoric acid
  - concentrated organic acids, even at elevated temperatures
  - salt and soda solutions
  - sea water
- ▶ Special characteristic(s):  
Extraordinary resistance to pitting corrosion, stress corrosion and intergranular corrosion

### Chemical composition (heat analysis in %)

X1NiCrMoCu25-20-5 / 1.4539 / UNS N08904 / TP904L

C	Si	Mn	P	S	N	Cr	Cu	Mo	Ni
≤0,02	≤0,70	≤2	≤0,03	≤0,01	≤0,15	19-21	1,20-2	4-5	24-26

### Mechanical properties at room temperature

tensile strength	yield strength	elongation at fract. longit. ( $L_0=5 d_0$ )	notch impact energy (ISO-V) longitud.
N/mm <sup>2</sup>	0,2% N/mm <sup>2</sup>	%	J
520-720	min. 230	min. 35	min. 120

## Stock Range Grade TP904L/1.4539/UNS N08904

▶ Seamless highly corrosion-resistant stainless steel tubes and pipes [available from stock](#)

OD mm	wall mm	ANSI	weight kg/m
10,00	2,00		0,401
13,50	2,30		0,645
17,20	2,30		0,858
20,00	2,00		0,901
21,30	2,00		0,967
21,30	2,60		1,217
21,34	2,11	1/2" SCH 10S	1,016
21,34	2,77	1/2" SCH 40S	1,288
21,34	3,37	1/2" SCH 80S	1,645
25,00	2,00		1,152
26,67	2,11	3/4" SCH 10S	1,299
26,67	2,87	3/4" SCH 40S	1,710
26,67	3,91	3/4" SCH 80S	2,239
26,90	2,00		1,247
26,90	2,60		1,582
30,00	2,00		1,402
33,40	2,77	1" SCH 10S	2,125
33,40	3,38	1" SCH 40S	2,541
33,40	4,55	1" SCH 80S	3,287
33,70	2,00		1,588
33,70	2,60		2,025
33,70	3,20		2,444
38,00	2,60		2,305
42,16	2,77	1.1/4" SCH 10S	2,732
42,16	3,56	1.1/4" SCH 40S	3,441
42,16	4,85	1.1/4" SCH 80S	4,536
42,40	2,00		2,023
42,40	2,60		2,591
42,40	3,20		3,141

OD mm	wall mm	ANSI	weight kg/m
48,26	2,77	1.1/2" SCH 10S	3,155
48,26	3,68	1.1/2" SCH 40S	4,108
48,26	5,08	1.1/2" SCH 80S	5,493
48,30	2,00		2,319
48,30	2,60		2,975
48,30	3,20		3,614
60,30	2,00		2,920
60,30	2,60		3,757
60,30	2,90		4,168
60,30	3,60		5,111
60,33	2,77	2" SCH 10S	3,992
60,33	3,91	2" SCH 40S	5,524
60,33	5,54	2" SCH 80S	7,601
73,03	5,16	2.1/2" SCH 40S	8,769
76,10	2,90		5,315
76,10	3,60		6,535
88,90	2,90		6,245
88,90	3,05	3" SCH 10S	6,557
88,90	4,05		8,605
88,90	5,49	3" SCH 40S	11,466
88,90	7,62	3" SCH 80S	15,509
108,00	4,00		10,417
114,30	3,05	4" SCH 10S	8,496
114,30	3,60		9,979
114,30	4,50		12,372
114,30	6,02	4" SCH 40S	16,322
114,30	8,56	4" SCH 80S	22,660
114,30	8,56	4" SCH 80S	22,665
139,70	4,00		13,592
168,30	3,40	6" SCH 10S	14,039
168,30	5,00		20,445
168,30	7,11	6" SCH 40S	28,697
219,10	8,18	8" SCH 40S	43,202

### Inspections according to:

EN 10216-5, AD W2 · SEW 400,  
VDTÜV BI 421 · ASTM A312 · ASME SA312  
with mill inspection certificate DIN/EN 10204/3.1

STOCK RANGE Grade 904L/1.4539

### Stahlkontor Hahn - Your Master Distributor

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GL Systems Certification

SKH05/2011

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