

Brand name | Avesta® 18-8

Material No.	EN Designation	AISI/SAE	UNS
1.4948	X6CrNi18-10	304 H	S30409

Description | AISI 304 H / 1.4948 is an austenitic stainless steel.

Special properties | Excellent heat resistance in raised temperatures.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.04-0.08	1.00	2.00	0.035	0.015
Cr %	Ni %	N %		
17.0-19.0	8.00-11.0	≤ 0.11		

0.2% Yield strength $R_p \geq$ N/mm ²	Tensile strength R_m N/mm ²	Elongation $A_5 \geq$ %	Modulus of elasticity kN/mm ²
230	500-700	40	200

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.93	450	17	0.71

Application | Pipeline construction, nuclear technology

Available forms for 1.4948 / AISI 304 H	Sheets/Plates	Bars	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
						