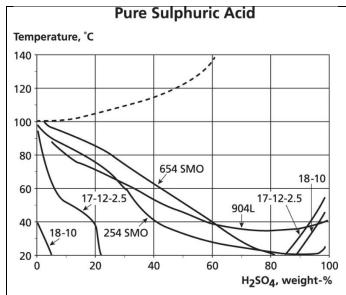
静 殊 鋼 有 健 公 司 (127115-V) SPECIAL STEEL & ALLIANCE SDN. BERHAD

SUS 304

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition						
			С	Si	Mn	Cr	Ni		
SUS304	Annealed	187 HB	≤ 0.07	≤ 1.00	≤ 2.00	17.00 - 19.00	8.50 - 10.50		

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.4301	X5CrNi18-10	304	304	SUS 304	2332	X5CrNi18-10



Isocorrosion diagram, 0.1 mm/year, for austenitic stainless steels in naturally aerated sulphuric acid of chemical purity. Broken-line curve represents the boiling point.

Type of steel and characteristics:

Austenitic chromium nickel steel. In the condition of supply, resistance to inter granular corrosion in the temperature range up to 300°C is good in sheet of up to 6 mm thickness and bar of up to 40 mm diameter.

These size ranges do not require any post-weld heat treatment The steel resists weathering, it possesses good resistance to the action of steam, water and acids as well as alkaline solutions. For optimum resistance, surface should be pick led.

Cold forming properties are good. The steel is capable of taking a mirror finish.

Applications:

For architectural purposes, household appliances, catering equipment, cutlery industry, medical equipment, automotive industry, sanitary equipment

Heat Treatment:

Hot Forging	1200 - 900°C
Quenching	1000 - 1100°C
Structure as solution annealed:	Austenite (+ small ferrite percentages)



Dimension	stress stress	1% proof stress	Tensile strength N/mm²min.	Elongation A5 % min.		Impact strength (ISO-V) J min	
		N/mm²min.		L	Q	L	Q
Bars, ≤ 160	190	225	500 - 700	45		100	
Forgings > 160 ≤ 250	190	225	500 - 700		35		60
Sheet ≤ 75	210	250	520 - 720		45	90	60

L = Longitudinal, Q = Transverse