BH DÖVME METAL SANAYİ ve TİCARET LTD. ŞTİ.
Hatip Mah. 1708. Sk. D Blok No. :6
Çorlu/ TEKİRDAĞ
info@bhmetal.com.tr
www.bhmetal.com.tr

Grade	Code	AISI	Austenitic Stainless Steel
1.4539	X1NiCrMoCu25-20-5	904L	

Steel Properties

Material 1.4539 is a stainless, super austenitic nickel-chromium-molybdenum-copper steel, resistant to various organic and inorganic acids. The high-alloy stainless steel 1.4539 is also seawater resistant and has a high pitting resistance.

Chemical Composition (1.4539)

C %	P %	Si %	Mn %	S %	Cr %	Mo %	Ni %	Cu %
0,02 max.	0,045 max.	1,00 max.	2,00 max.	0,03 max.	19,00 – 21,00	4,00 – 5,00	24,00 – 26,00	1,20 – 2,00

Mechanical Properties

Rp0.2, Mpa	Rm, Mpa	Elongation [%]	Hardness [HB]
≥230	530 – 730	≥ 30	< 230

Suitable For

AISI 904L is used to produce systems and equipment for the desalination of water, equipment and machinery in the food, cryogenic and pharmaceutical industries, the production of scrubbers in coal-fired power plants, condensers, exhaust purification filters, heat exchangers for sea water cooling, shipbuilding, offshore and chemical pipelines, in the steel industry, for paper whitening machines in the cellulose industry.

Remarks

Spesification

AISI 904L, 1.4539, X1NiCrMoCu25-20-5