

Stainless, Acid-Resistant, and Heat-Resistant Steels

1.4306

DESIGNATIONS

EN standard	X2CrNi19-11
Swedish standard	SS 2352
ASTM/ASME standard	AISI 304L / UNS S30403
Equivalent Quality	
W.stoff no.	1.4306

APPLICATION

Austenitic steel with slightly higher chromium and nickel content than 1.4307, providing better corrosion resistance. Commonly used in the food and pharmaceutical industries.

COMPOSITION

C	max. 0,030
Cr	18,00 - 20,00
Cu	max. 1,00
Mn	max. 2,00
N	max. 0,11
Ni	10,00 - 12,00
P	max. 0,045
S	max. 0,015
Si	max. 1,00
Fe	remainder

DIMENSIONS / FORMAT

Sheet	Yes
Round steel	Yes
Flat/square	Yes
Hexagonal	
Forgings	
Pipes	Yes

MECHANICAL PROPERTIES

Yield Strength	
Tensile Strength	460 - 680 N/mm ²
Impact Toughness	

Mechanical properties are only reference values for hardened bar Ø 50 mm.