

Material properties

Material	309S (USA / AISI)
Group	Stainless and heat resisting steels
Subgroup	SAE AMS 5650

Comment

Application Corrosion and heat-resistant steel in the form of bars, wire, forgings, mechanical tubing, flash welded rings and stock for forging or flash welded rings.

Tensile Stress[MPa]			
Dimension	Min	Max	Approx
Wire - Solutionized	-	862	-

Hardness	
Dimension	Hardness
Wire - Solutionized	< 187 HB

Chemical Composition [%]			
Criterion	Min	Max	Approx
C	-	0.0800	-
Si	-	1.0000	-
Mn	-	2.0000	-
P	-	0.0400	-
S	-	0.0300	-
Cr	22.000	24.000	-
Mo	-	0.7500	-
Ni	12.000	15.000	-
Cu	-	0.7500	-