



Grade	Code	AISI	Duplex Stainless Steel
1.4460	S 32900 (X3CrNiMoN27-5-2)	329	

Steel Properties

Stainless duplex low-carbon steel resistant to intercrystalline corrosion, fatigue corrosion, crevice corrosion, pitting and stress corrosion. 1.4460 exhibits excellent resistance to chlorides and, in addition, is susceptible to mechanical processing. 1.4460 is characterized by high strength, hardness and good plasticity. Commonly used as steel for bearings in chlorine-containing environments.

Chemical Composition (1.4460)

C %	P %	Si %	Mn %	S %	Cr %	Mo %	Ni %	AL %	Cu %
0,05 max.	0,035 max.	1,00 max.	2,00 max.	0,03 max.	25,00 – 28,00	1,30 – 2,00	4,50 – 6,50	-	-

Mechanical Properties (Solution Annealed)

Product Form	Rp0.2, Mpa	Rm, Mpa	Elongation [%]	Hardness [HB]
Bar & Rod	≥ 450	620 – 800	≥ 20	< 260

Suitable For

AISI 329 steel is designed, among others, for pumps, screws, heat exchangers for power engineering, radiators, tanks, chlorine-bearing housings, valves, air constructions, pipelines, special anchors, pump and propeller shafts, stirrers and sleeves.

Remarks

Specification

1.4460, S 32900, X3CrNiMoN27-5-2, AISI 329

Norm

ASTM A 276/ ASME SA-276