

STAINLESS STEEL BALL

AISI 316

Similar to the AISI 304 stainless steel, it has better resistance to the corrosion under particular circumstances and this is mainly due to the addition of molibdene.

L'AISI 316 stainless steel has a very low magnetic permeability which does not change in spite of work-hardening for deformation.

It's used for application in paper-industry, in food industry and for other processes of industrial chemistry considering its general resistance to acids, barring the hydrochloric one.



International equivalents:

ITALY	USA	GERMANY	FRANCE
X5CrNiMo1712	AISI 316	1.4401	Z6CND17.11

Size Range:

1.588mm (1/16 ") a 50.80mm (2 ")

Standard grades available:

40 – 100 - 200 – 500 - 1000

Chemical composition:

C %	Mn %	Si %	P %	S %	Cr %	Ni %	Mo %
≤ 0,080	≤ 2,000	≤ 1,000	≤ 0,045	≤ 0,030	16,0 ÷ 18,0	10,0 ÷ 14,0	2,0 ÷ 3,0

Hardness:

HRC 25 - 39



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