



Datasheet

Steel balls, material 1.4401

according to DIN EN 10088-3

Short name: X5CrNiMo17-12

Foreign designation: INOX AISI 316

Other designations: stainless steel, inox V4A

Chemical composition:

	C %	Si %	Mn %	Cr %	Ni %	Mo %	P %	S %	N %
min.	-	-	-	16,5	10,0	2,0	-	-	-
max.	0,07	1,00	2,00	18,5	13,0	2,5	0,045	0,015	0,11

Hardness: HRC 25 - 39 / 280 HV10 – 380 HV10

Hardness annealed: 75 – 90 HRB

Specific weight: 8,0 g/cm³

Characteristics:

Not hardenable, austenitic inox, excellent resistance to corrosion (apart of hydrochloric acid), in contrast to material 1.4301 resistant against sulphuric acid and phosphoric acid, average welding suitability

Special and physical characteristics:

Magnetic characteristics $\mu_r \leq 1,3$

Magnetisability: very low

Suitable for low temperature

Usable up to 700° C

Thermal conductivity at 20° C (W/m K): 15

Application areas:

Application in very aggressive media without any special mechanical stress.

Qualities according to DIN 5401: G40 to G700



Vertretung Deutschland
Firma Martin zertifiziert nach
ISO/TS 16949:2002 - Cert. n° 3079
ISO 9001:2000 - Cert. n° 4487
ISO 14001 - Cert. n° 0092A/0

ISOMETALL
zertifiziert nach
ISO 9001-2008



Reg.-Nr.: Q1 0203005

Im Auftragsfall bleibt die Ware
bis zur vollständigen
Bezahlung unser Eigentum.