

DATA SHEET - Material 1.4034 / 1.4028 for steel balls

Material 1.4034

- X46Cr13, INOX AISI 420C, INOX VA

Hardness: 54-60 HRC

Chemical composition:

	C %	Si %	Mn %	Cr %	P %	S %
min.	0,43	---	---	12,5	---	---
max.	0,50	1,00	1,00	14,5	0,040	0,015

Material 1.4028

- X30Cr13, INOX AISI 420B, INOX VA

Hardness: 50-55 HRC

Chemical composition:

	C %	Si %	Mn %	Cr %	P %	S %
min.	0,26	---	---	12,0	---	---
max.	0,35	1,00	1,5	14,0	0,040	0,015

According to: DIN EN 10088-3

Spec. weight: 7,67 g /cm³

Characteristics:

Martensitic inox, a good mix between hardness and resistance to oxidation

The hardness of material 1.4034 is higher than 1.4028

Application areas:

Valves, special bearings, applications with medium aggressive atmosphere.

Qualities according to ISO 3290 and DIN 5401: G10 to G700



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