

ATLAS BALL & BEARING CO. LIMITED

AISI 440C STAINLESS STEEL BALL DATA SHEET

Attributes

Martensitic stainless steel with the greatest hardness and tensile strength gives fair corrosion resistance against fresh water, steam, petrol and alcohol.

Specification with equivalents

AISI 440C
Werkstoff 1.4125
DIN X105CrMo17
AFNOR Z100CD17
JIS SUS 440C
UNS S44004

Chemical Analysis (%)

C	0.95-1.20	P	0.04 max
Si	1.00 max	S	0.03 max
Mn	1.00 max	Mo	0.75 max
Cr	16.00-18.00	Fe	Bal

Typical Uses/Applications

High Precision Bearings
Gauges

Grades Available

Grade 10, 20, 100

Mechanical/Physical Properties

Hardness: 58-65 HRC, 653-832 HV
Specific Gravity: 7.75 g/cm³
Density: 0.280 lb/in³
Tensile strength 1965 Mpa

www.atlasball.co.uk

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

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