

ATLAS BALL & BEARING CO. LIMITED

420C STAINLESS STEEL ROLLER DATA SHEET

Attributes

Martensitic stainless steel gives fair corrosion resistance against fresh water, steam, petrol and alcohol. Has increased carbon content to maximise hardness

Specification with equivalents

AISI420C
DIN 1.3541
AFNOR Z40C14

Chemical Analysis (%)

C	0.43-0.50	P	0.04 max
Si	1.00 max	S	0.03 max
Mn	1.00 max	Ni	1.00 max
Cr	13.00-14.00	Fe	Bal

Typical Uses/Applications

Bearings
Wear parts
Pins
Micro shafts

Grades Available

Grades 2, 5

Mechanical/Physical Properties

Hardness: 55-60 HRC, 600-700 HV
Specific Gravity: 7.75 g/cm³
Density: 0.280 lb/in³
Tensile strength 1900 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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