

ATLAS BALL & BEARING CO. LIMITED

AISI 430 STAINLESS STEEL BALL DATA SHEET

Attributes

Ferritic non-heat treatable stainless steel.
Good corrosion and oxidation resistance.
Weldable with good thermal conductivity.

Specification with equivalents

BS 970 430 S15
AISI430
DIN 1.4016
AFNOR Z8C17
JIS SUS 430

Chemical Analysis (%)

C	0.12 max	P	0.04 max
Si	1.00 max	S	0.03 max
Mn	1.00 max	Fe	bal
Cr	16.00-18.00		

Typical Uses/Applications

Heat exchangers
Scientific instruments
Nail polish agitators

Grades Available

Grade 200
Grade 500
Grade 1000

Mechanical/Physical Properties

Hardness: 230 – 300 Hv
Annealed Hardness: 140 – 210 Hv
Melting Point: 1510°C
Specific Gravity: 7.75 g/cm³
Density: 0.276 lb/in³
Magnetic properties Magnetic

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

Issue 1 30.11.07