

Simply Bearings Ltd

Authorised Precision Ball and Roller Distributors in the UK

AISI 430 Stainless Steel Data Sheet

Properties:

Hardness	230 - 300 HV
Annealed Hardness	140 - 210 HV
Density	0.276 lbs /in3
Melting point	1510° C
Specific Gravity	7.75 g/cm3

Chemical Make Up %:

Carbon C	0.12% Max
Chromium Cr	16 - 18 % Max
Silicon Si	1.0 % Max
Manganese Mn	1.0 % Max
Phosphorous P	0.04 % Max
Sulphur S	0.03 % Max
Iron Fe	Balance %

Specification:

Specification	Equivalent Standards
AISI 430	BS 970 430 S15
	DIN 1.4016
	AFNOR Z8C17
	JIS SUS 430

Synopsis:

Ferritic stainless steel ball with good corrosion resistance, weld-ability and thermal conductivity.

Typical Uses:

Heat exchangers, instrumentation.

Attracted to Magnets: Yes

Available Grades: 200, 500, 1000 & 2000

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