

Simply Bearings Ltd

Authorised Precision Ball and Roller Distributors in the UK

AISI 440 Stainless Steel Data Sheet

Properties:

Hardness	57 - 60 HRC
Density	0.286 lbs / in ³
Tensile Strength	100,000 - 180,000 psi
Yield Strength	50,000 - 150,000 psi

Chemical Make Up %:

Carbon C	0.95 - 1.20 %
Chromium Cr	16 - 18 %
Silicon Si	1.0 % Max
Manganese Mn	1.0 % Max
Phosphorous P	0.04 % Max
Sulphur S	0.03 % Max
Molybdenum Mo	0.75 % Max

Specification:

Specification	Equivalent Standards
AISI 440	Wks 1.4125
	DIN X105CrMo17
	AFNOR Z100CD17
	JIS SUS 440

Synopsis:

Martensitic Stainless steel offering high hardness and tensile strength against fresh water, steam, petroleum spirits and alcohols.

Typical Uses:

High precision bearings, gauges.

Attracted to Magnets: Yes

Available Grades: 10, 20 ,100

Simply Bearings Ltd ~ Halton House, Greenfold Way, Leigh, Lancashire, WN7-3XJ
Tel 01942 269 837 Fax 01942 605 420

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