

## Simply Bearings Ltd

Authorised Precision Ball and Roller Distributors in the UK

### 420 Stainless Steel Data Sheet

#### Properties:

Hardness	52-55 HRC
Density	0.280 lbs /in <sup>3</sup>
Tensile Strength	275,000 psi

#### Chemical Make Up %:

Carbon C	0.15 - 0.36 %
Chromium Cr	12 - 14 %
Silicon Si	1.0 % Max
Manganese Mn	1.0 % Max
Phosphor P	0.04 % Max
Sulphur S	0.03 % Max

#### Specification:

Specification	Equivalent Standards
AISI 420	BS970 420S37 420S45
	DIN 1.4021, 1.4025, 1.4034
	AFNOR Z30C13, Z40C14
	JIS SUS 4200J1, 420J2

#### Synopsis:

The most commonly used martensitic stainless steel giving fair corrosion resistance to fresh water, steam, petrol, alcohol, blood, sweat, oils and foodstuffs.

#### Typical Uses:

Bearing manufacture, valve parts, hose connectors & fittings.

**Attracted to Magnets:** Is attracted to a magnet

**Available Grades:** 100, 500 & 1000

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