

## Simply Bearings Ltd

Authorised Precision Ball and Roller Distributors in the UK

### AISI 1010 Steel Data Sheet

#### Properties:

Hardness	105 HB	
Density (x1000 kg/m <sup>3</sup> )	7.7 - 8.03	
Tensile Strength	365 mPa	
Yield Strength	305 mPa	

#### Chemical Make Up %:

Carbon C	0.08 - 0.13 % Max
Manganese Mn	0.3 - 0.6 % Max
Phosphorous P	0.04 % Max
Sulphur S	0.05 % Max

#### Specification:

Specification	Equivalent Standards
AISI 1010	AFNOR XC 10, DIN 1.1121
	JIS S12C, JIS S10C, JIS S9CK
	AMS 5040, AMS 5042, AMS 5044, AMS 5047, AMS 5053, ASTM A108, ASTM A29, ASTM A510, ASTM A519, ASTM A545, ASTM A549, ASTM A575, ASTM A576, MIL SPEC MIL-S-11310 (CS1010), SAE J403, SAE J412, SAE J414, UNS G10100

#### Synopsis:

Hardened (slightly) steel balls with good mechanical properties and machinability.

#### Typical Uses:

Wrought iron work, models etc.

**Attracted to Magnets:** Yes

**Available Grades:** 2000

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