

## Simply Bearings Ltd

Authorised Precision Ball and Roller Distributors in the UK

### AISI 304 Stainless Steel Data Sheet

#### Properties:

Hardness	25-39 HRC	140-160 HB
Density	0.286 lbs / in <sup>3</sup>	
Tensile Strength	100,000 - 180,000 psi	
Yield Strength	50,000 - 150,000 psi	

#### Chemical Make Up %:

Carbon C	0.08 % Max
Chromium Cr	18 - 20 %
Nickel Ni	8 - 10 %
Silicon Si	1.0 % Max
Molybdenum	-
Manganese Mn	2.0 % Max
Phosphorous P	0.045 % Max
Sulphur S	0.03 % Max

#### Specification:

Specification	Equivalent Standards
AISI 304	DIN X6 CR Ni 18.09
	AFN Z6 CN 18.09
	EN58E
	JIS SUS 304
	Wks 1.4301

#### Synopsis:

Austenitic unhardened stainless steel balls with good mechanical properties and corrosion resistance.

#### Typical Uses:

Commonly used in food manufacturing industry.

**Attracted to Magnets:** May shows response to magnets after cold working

**Available Grades:** 50, 100 , 200, 1000

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