

ATLAS BALL & BEARING CO. LIMITED

S2 TOOL STEEL ROLLER DATA SHEET

Attributes

S2 tool steel is designed to achieve extreme ruggedness. Rollers produced from this material provide the toughness and strength necessary for severe shock loads.

Specification with equivalents

AISI S2
ASTM-A681
UNS T-41902

Chemical Analysis %

C	0.45-0.55	S	0.30 max
Mn	0.30-0.60	Cr	0.25 max
P	0.30 max	V	0.50 max
Si	0.90-1.25	Mo	0.30-0.50

Typical uses/applications

Oilfield equipment and offshore drilling operations.

Grades available

G100, G200

Mechanical/physical properties

Hardness	HRC 54-58, 577-653 Hv
Tensile strength	2130 Mpa
Yield strength	2000 Mpa
Specific gravity (Density)	7.849 g/cm ³ (0.283 lb/in ³)

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

Issue 1 dated 04.03.08