

**Bisalloy Steels Pty Ltd**

PO Box 1256,
Unanderra, NSW, Australia, 2526
Ph - +61 2 4272 0444 Fax - +61 2 4272 0456
Email – bismailto@bisalloy.com.au
Web - <http://www.bisalloy.com.au/>

BISPLATE 500

BISPLATE 500 – a through hardened, abrasion resistant steel plate, offering long life expectancy in sliding and gouging abrasion applications. BISPLATE 500 is the hardest steel produced by Bisalloy Steels and offers exceptionally long life in sliding abrasion applications such as:

Applications

- Dump Truck Wear Liners
- Chutes
- Wear Liners
- Earth Moving Buckets
- Ground Engaging Tools
- Cutting Edges

Chemical Composition

Thickness	C	P	Mn	Si	S	Ni	Cr	Mo	B	CE (IIW)	PCM
6-100	Typical 0.29	0.015	0.30	0.30	0.003	0.20	1.00	0.25	0.0010	0.61	0.40

Mechanical Properties

Thickness	0.2% Proof Stress	Tensile Strength	Elongation in 50 mm GL
Typical	1400 MPa	1640 MPa	10%

Charpy Impact Properties

Thickness	Charpy Impact (Longitudinal), +20°C (10mm x 10mm)
Typical	35 J

Hardness

Specification	477 – 534 HB
Typical	500 HB

Testing

All testing is NATA approved.

Reference Specifications

Welding according to AS/NZS 1554 parts 4 and 5, WTIA Technical Note 15.

Manufacturing Tolerances

In accordance with AS/NZS 1365.
Tighter tolerances may be available on negotiation.

Surface Finish

Shotblasted

Plate Colour Code

Black

Fabrication

For advice on fabrication refer to relevant Bisalloy technical brochures. Contact Bisalloy direct or visit www.bisalloy.com.au.