BISPLATE® 320

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Applications

BISPLATE® 320 – a through hardened, abrasion resistant steel plate, offering long life expectancy in high impact abrasion applications. BISPLATE® 320 offers the optimum combination of hardness, impact and formability of wear applications requiring extensive forming/drilling or fabrication in abrasive applications such as:

- Deflector Plates
- Chutes
- Storage Bins
- Dump Truck Liners
- Earthmoving Buckets

Chemical Composition

Thickness (mm)		C	P	Mn	Si	S	Cr	Mo	B	CE(IIW)+	CET+
5-<16	Maximum	0.18	0.025	1.5	0.25	0.008	0.25	0.25	0.002	0.40	0.29
≥16-80	Maximum	0.20	0.025	1.5	0.25	0.008	0.30	0.25	0.002	0.50	0.35
>80-100	Maximum	0.18	0.025	1.5	0.25	0.008	1.20	0.25	0.002	0.58	0.34

+Typical Average

Typical Tensile Properties

0.2% Proof Stress	Tensile Strength	Elongation in 50mm G.L.
970 MPa	1070 MPa	18%

Typical Charpy Impact Properties (Longitudinal)

Plate Thickness (mm)	Energy (J)	Test Temp (ºC)
20	60	+20

Hardness

Specification 320 – 360 HB
Typical 340 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

Light Blue

Fabrication

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

December 2012