



Bisalloy Steels Pty Ltd

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Applications	<ul> <li>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:</li> <li>Deflector Plates</li> <li>Chutes</li> <li>Storage Bins</li> <li>Dump Truck Liners</li> <li>Earthmoving Buckets</li> </ul>											
Chemical Composition	Thickness		С	Р	Mn	Si	S	Cr	Мо	В	CE(IIW)*	<b>CET</b> <sup>+</sup>
	(mm) 5-~16	Mavimum	0.18	0 025	15	0.25	0 008	0.25	0.25	0 002	0.40	0.20
	>16-80	Maximum	0.20	0.025	1.5	0.25	0.008	0.20	0.25	0.002	0.50	0.25
	>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		0110	0.010		0.20	0.000		0.20	0.001	0.000	0101
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 (°C)							
	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											

PLEASE NOTE: Every care has been taken to ensure the accuracy of information contained in this manual which supersedes earlier publications, however Bisalloy Steels shall not be liable for any loss or damage whatsoever caused from the application of such information. Typical values are provided for reference information only and no guarantee is given that a specific plate will provide these properties. Information is subject to change without notice. December 2012