

BRADKEN

PRODUCTS

Wearalloy®

Material Information

Wearalloy is an abrasive resistant quench and tempered steel plate, heat treated to provide an excellent combination of toughness and wear resistance. Wearalloy is available in a variety of sizes and thicknesses to suit a range of operating conditions.

Typical Properties

Chemical Analysis

Element	C	P	Mn	Si	S	Ni
Composition %	0.29	0.018	0.30	0.30	0.003	0.20

Element	Cr	Mo	B	CE(IIW)	PCM
Composition %	1.00	0.25	0.001	0.61	0.40

Hardness: 465 HB
Tensile strength: 1480 MPa
Charpy impact: 20J
Elongation: 12%

Welding

Wearalloy can be welded in accordance with AS1554.4. It is recommended that the plate should be pre-heated for all thicknesses. No post heating is required.



Wearalloy sizing screen



Chute lined with Wearalloy plates

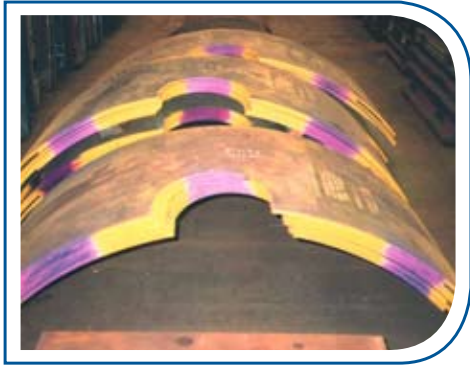


Truck bed lined with Wearalloy and Duaplate® D80

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Wearalloy main frame liners



Bucket with Wearalloy strips



Dozer with Wearalloy tumble bars

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Standard Sheet Sizes

Bradken can supply pre-cut and fabricated sections of Wearalloy, or we can provide standard sheets sizes as outlined below*.

Thickness: 6mm, 8mm, 10mm, 12mm,
16mm, 20mm, 25mm, 32mm
40mm, 50mm, 63mm, 75mm

Standard Width: 2485mm

Standard Lengths: 4000mm and 8000mm

*Other dimensions and thicknesses are available on request.

Services & Applications

Wearalloy is suited for applications involving high impact and moderate abrasion. Wearalloy is typical used on:

- Dump truck wear liners
- Chute liners
- Bin and hopper liners
- Construction and mining bucket liners
- Mold board liners
- Scrapper liners
- Chipper hoods

Wearalloy

For more information contact Bradken at wpbsales@bradken.com.au

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