



Total Steel

total quality
total service

Total Steel of Australia

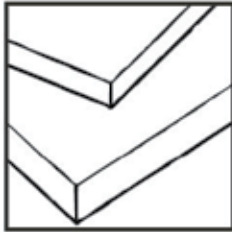


The future and independence of
Total Steel of Australia depends on continuing
to provide our customers with superior service

Total Steel Offers

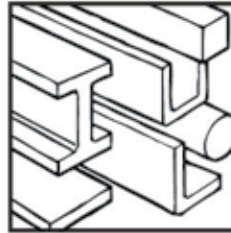
- A complete range of cost saving services
- Fast, friendly and efficient service from our dedicated sales team
- Obligation free quotations and expert advice from staff who understand your business
- Quickie cutting of plates for clients wishing to process further
- Plate bevelling for weld preps
- Pressing and rolling of plate
- Guillotine cut plate and sheet
- Punching
- Bevelled Edges
- Saw cutting of pipe, RHS and other sections
- Breakdown service when you need fast replacements
- Delivery of orders when you want them - on time!

Products



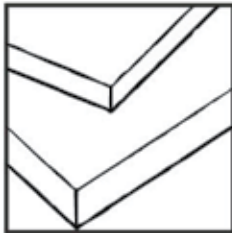
Wear Plate

Everhard 400, 450 & 500
Everhard Super – EHSP,
Hiten 780
Cut to size



Sections

Flat bar, angle, round & square
bar, channel and beams
Full range of sizes



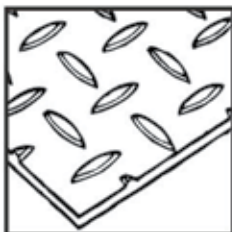
Plate

Grades 250 and 350
5mm to 300mm thick
Cut to size



Pipe

Galvanised and black
Sizes 15mm NB to 150mm NB
Line pipe



Floor Plate

Full range of sizes
Cut to size



RHS

Black, painted and galvanised
Full range of sizes



Sheet

Hot rolled, cold rolled
and coated
Full range of sizes



Walkway Mesh - Grating

Handrail Stanchions
Perforated sheets
Galv wire mesh
Black reinforcing



Oxy Cutting

- Esab six head multi torch oxy fuel cutting machine.
- Maximum cutting envelope 3.1mtr wide x 27mtr long.
- Capacity to hold 3 plates 3000 x 9000 at one time.
- Stocking & cutting mild steel plate up to 300mm thickness and quench & tempered plates up to 160mm thickness.



Plasma Cutting

- A powerful & reliable HPR260 High Definition plasma cutting hypertherm unit.
- The Kinetic fully rotational 360 degree bevel head cutting system perfect for all your weld preps, chamfers, general engineering & fabrication purposes cutting up to 40mm thick material, on a 45° angle.
- Maximum cutting envelope 3.2mtr wide x 30mtr long.
- Full CNC controlled machine for greater tolerance & better cut quality.

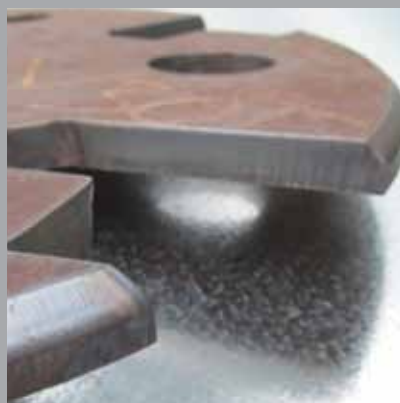
Knife Bevel



K-Bevel



Bevel plus Landing





EHSP

TITANIUM TUFF wear plate

EHSP field tests in America have proved successful, and in a few short years, EHSP has won end-user acceptance with many operators in the mining and quarry industries. The savings in labour and increased production through fewer changeouts of wear plates has enabled maintenance personnel to channel their labour to other areas.

EHSP contains titanium carbides that have a hardness of 3200 vickers. These particles are dispersed throughout the steel plate during manufacture. This gives EHSP a superior abrasion resistance when compared with plates with similar or higher Brinell (BHN) hardness. This plate can replace 320, 360, 400, 450 and 500 BHN in a large number of applications.

Features of EHSP

- Produced by world leaders in wear plate technology
- Excellent flatness
- Hardness is minimum 400 BHN.
- EHSP can be successfully stud welded with a localised preheat of 150°C.
- The titanium particles added to the steel have a hardness of 3200 vickers.
- Using thinner plates as liners for dump truck bodies EHSP, can offer significant weight reductions to achieve greater payloads.
- Outstanding wear life
- User friendly for welding and working

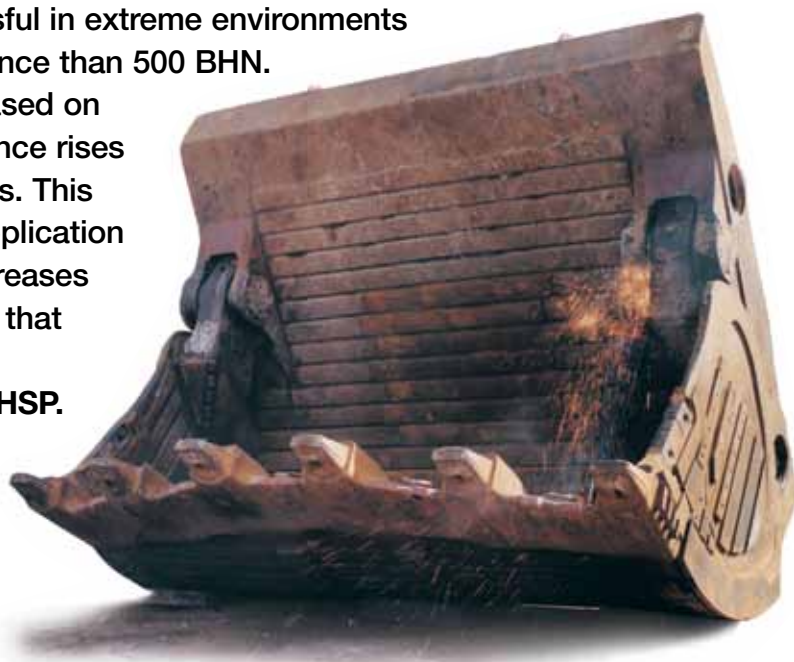
EHSP has been dramatically successful in extreme environments which call for higher abrasion resistance than 500 BHN.

Conventional wear plate design is based on the assumption that abrasion resistance rises as the hardness of the steel increases. This gives rise to problems in practical application since weldability and formability decreases with an increase in hardness beyond that of the 500 grades.

JFE has solved this dilemma with EHSP.

For detailed welding information refer to our web site:

www.totalsteel.com.au



Used as skid plates and liner plates, EHSP can be welded on site.

Results of field tests with EHSP in America and Canada

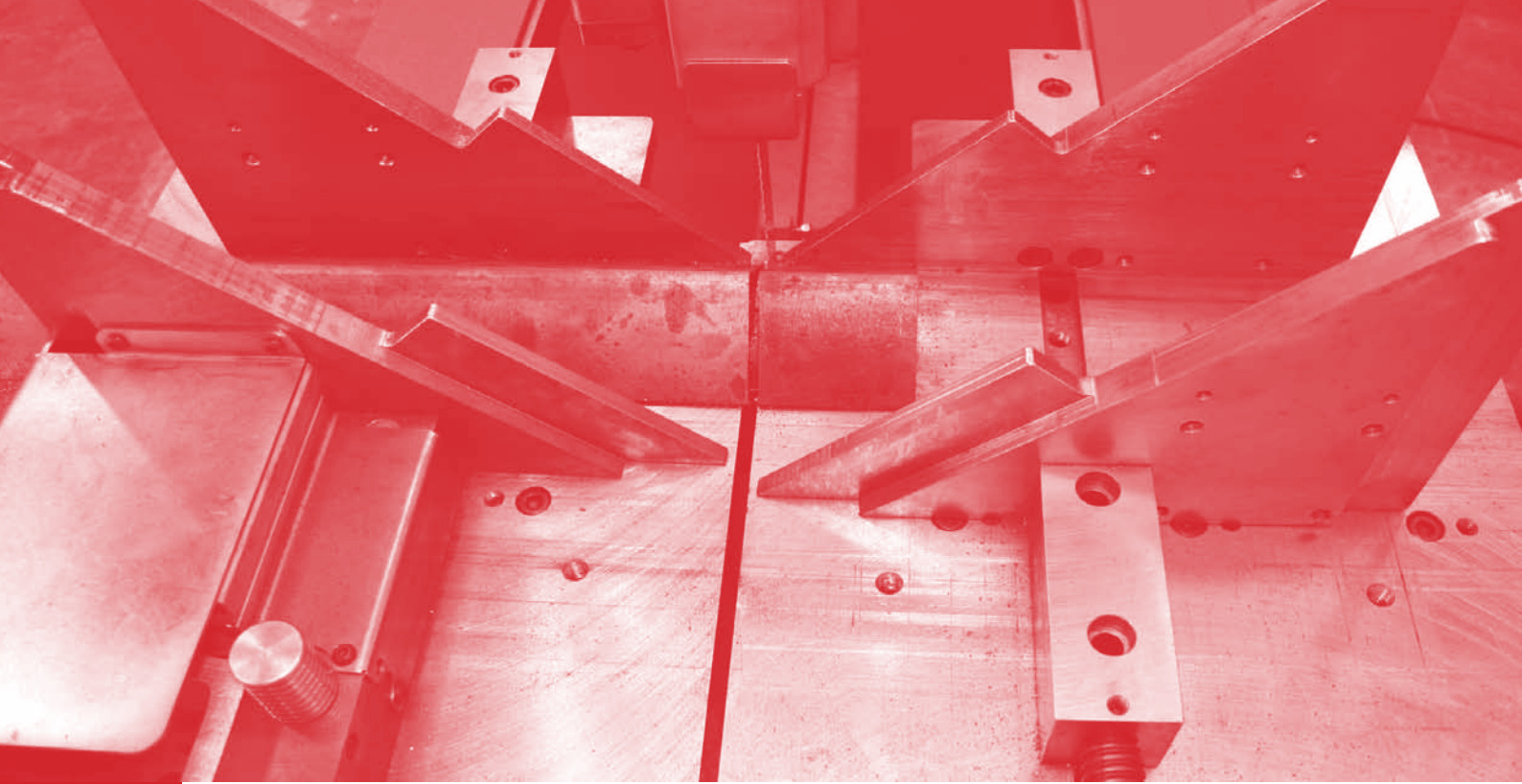
Application	Industry	Compared with	Extra Wear Life
Loader bucket skid plates	Gold	500 BHN Steel	60%
Chute liners	Granite	500 BHN Steel	50%
Loader bucket heel plates	Concrete	500 BHN Steel	50%
Truck body liner plates	Copper	500 BHN Steel	55%
Crusher discharge hopper	Copper	500 BHN Steel	52%
Crusher chute	Copper	500 BHN Steel	52%
Truck body liner plate	Gold	360 BHN Steel	300%
Dragline bucket shrouds	Rock quarry	400 BHN Steel	90%
Ripper tooth	Earthmoving	Weld Overlay	12%
Coal chute	Power plant	500 BHN Steel	60%
Vibratory feeder	Gold	500 BHN Steel	40%
Shovel bucket	Coal	400 BHN Steel	230%
Splitter gate	Copper	400 BHN Steel	200%
Crusher parts	Gold	500 BHN Steel	50%
Chute	Rock quarry	450 BHN Steel	40%



Ultrasonic thickness testing confirms EHSP's resistance to abrasive wear.

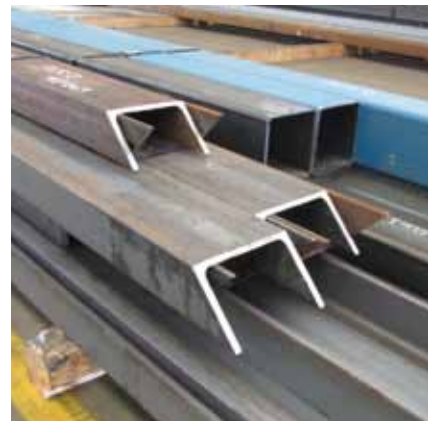
EHSP

titanium tuff wear plate



Drilling and Countersinking

EHSP and EH 500LE wear plates require replaceable carbide tipped inserts using robust drilling equipment to avoid tip chipping caused by excess movement. All other grades can be drilled with high speed drills provided care is taken although cobalt drills are preferred. Adequate lubrication is always essential.



Saw Cutting

- 480mm x 480mm square cutting.
- 292mm x 352mm 45 degree mitre cutting.
- So whether your cutting RHS, pipe or sections Total Steel can cut to any of your specific requirements.



Stud Welding

Stud welding to wear plate enables rapid fitting of wear plate liners to chutes, feed slots and hoppers.

At **Total Steel of Australia** we service our clients with a network of dedicated sales and supply teams in Perth, Melbourne, Sydney, Brisbane & Darwin.

First established in Australia in 1976 Total Steel has grown to become one of Australia's most innovative and reliable steel centres.

Our commitment to keeping up with modern technology whilst maintaining high standards of service enables us to focus on those who matter the most - you the customer.

We provide a range of high quality steel products and services, all backed up by our efficient store personnel, guaranteeing on-time delivery throughout Australia.

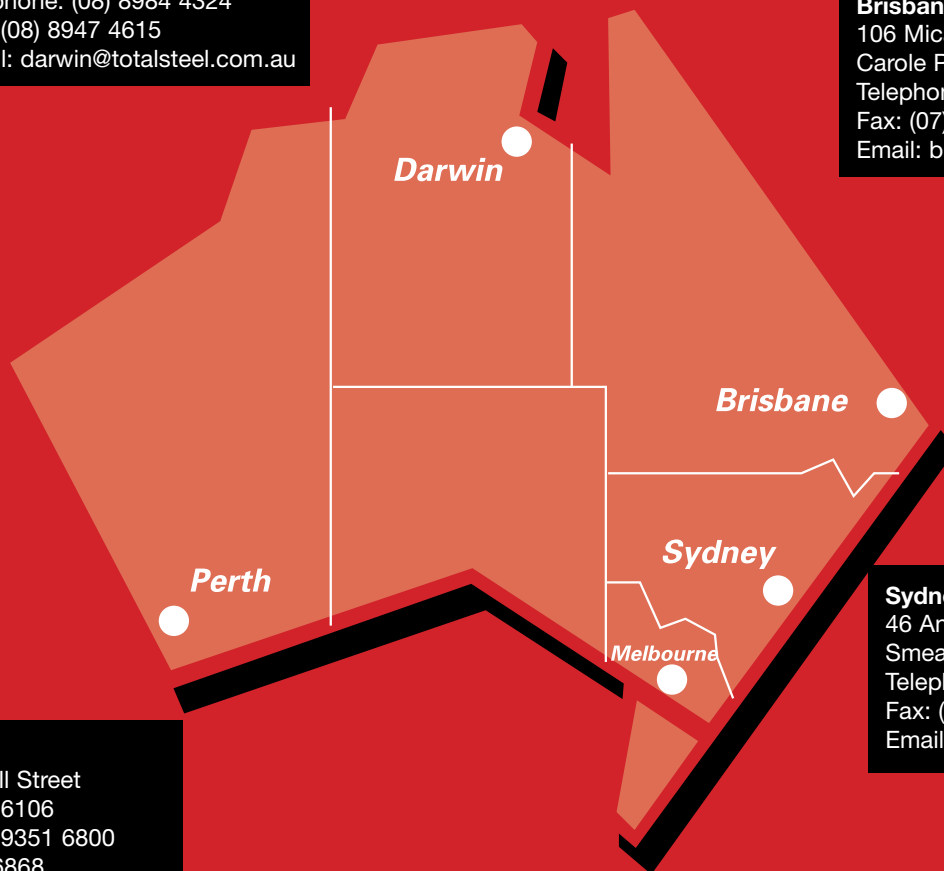
Locations

Darwin

48 Dawson Road
East Arm NT 0828
Telephone: (08) 8984 4324
Fax: (08) 8947 4615
Email: darwin@totalsteel.com.au

Brisbane

106 Mica Street
Carole Park, QLD 4300
Telephone: (07) 3723 9200
Fax: (07) 3271 1699
Email: brisbane@totalsteel.com.au



Brisbane

Sydney

Melbourne

Perth

Darwin

Sydney

46 Anzac Avenue
Smeaton Grange, NSW 2567
Telephone: (02) 4648 8111
Fax: (02) 4647 8011
Email: sydney@totalsteel.com.au

Perth

53-75 McDowell Street
Welshpool, WA 6106
Telephone: (08) 9351 6800
Fax: (08) 9351 6868
Email: perth@totalsteel.com.au

Melbourne

207-211 Fitzgerald Road
Laverton North, VIC 3026
Telephone: (03) 9369 8855
Fax: (03) 9369 8866
Email: melbourne@totalsteel.com.au



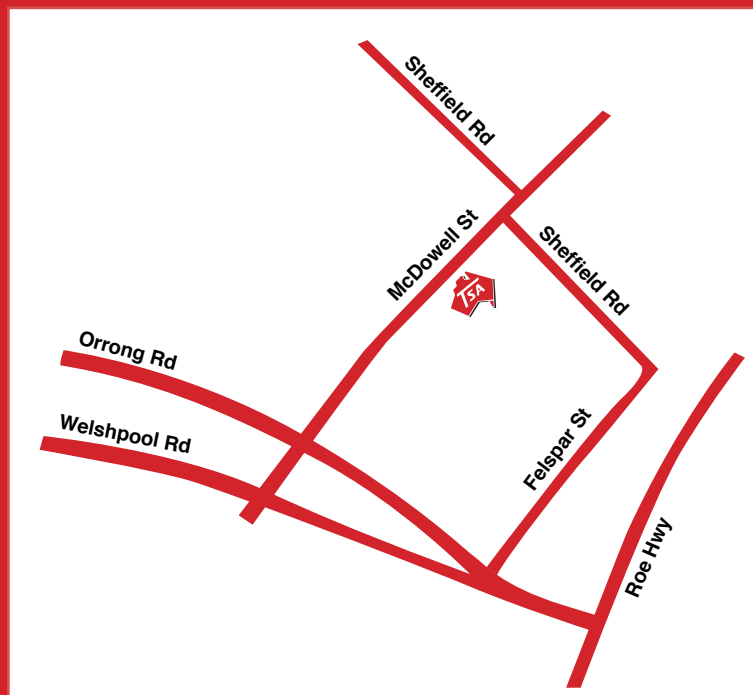
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How to contact us

Office Hours - Monday to Friday

For prompt service & or quotations please contact one of our sales staff on details listed below.



Perth

53-75 McDowell Street
Welshpool, WA 6106
Telephone: (08) 9351 6800
Fax: (08) 9351 6868
Email: perth@totalsteel.com.au

www.totalsteel.com.au