

Superior Wear Plate for Severe Impact and Abrasion

CastoDur® Diamond Plate 4923



WEAR PLATES

- Optimum resistance to wear when you have a combinations severe impact and abrasion
- Very fine microstructure for high toughness
- Weld deposit has toughness comparable to AR Plate with much improved abrasion resistance
- CDP 4923 cuts and forms easily for custom fabrication



DESCRIPTION:

EutecDur CDP 4923 wearplate is a specially formulated, tough martensitic iron based alloy that gives it excellent Impact resistance as well as abrasion resistance. Highest quality wearplate when you have a combination of extreme impact and abrasion.

CDP 4923 is manufactured in 4' x 9' sheets that can be easily cut, formed or rolled for custom components. Also is easily welded or bolted into place. For custom shapes, sizes and fabrication please contact Eutectic Cop. Technical Service department at 800-558-8524.

TECHNICAL DATA:

Overall Thickness	Base	Overlay	Approx. Wt. per sq/ft
3/4"(19mm)	12mm	7mm	31 lb.

STANDARD SIZE: 48" (approx. 122 cm) x 108" (approx. 274 cm) (4' x 9')

OVERLAY PROPERTIES:

Nominal Hardness: HRC 54-57
Microhardness: DPH 3000-3200
Macrohardness: HRC 54-57
Max Service Temperature: 1000° F (approx. 538°C)
Overall Wear Plate Density: 0.275 lb/in³
ASTM G65 Wear Test Results: 22-mm³
Typical Analysis with Principal Elements: Fe-Cr-C-Ti-Mo

WELDING INFORMATION:

CDP 4923 premium wear plates are easily welded using Eutectic alloys:

SMAW (Electrode)

Low and Medium carbon steels; high strength, low alloy steels. XHD® 66 electrode

Alloy steels; manganese steels; hardened steels. XHD® 6868 680CGS (3/32" dia. (2.4mm))

Attachment weld may be overlaid with XHD Abratec N6715 to protect against abrasive wear.

GMAW (Wire)

Low and Medium carbon steels; high strength, low alloy steels. EnDOtec® DO*66 or TeroMatec® OA 2020 Continuous electrodes

Alloy steels; manganese steels; hardened steels. EnDOtec® DO*68S or TeroMatec® OA 3205 Continuous electrodes

Attachment weld may be overlaid with EnDOtec® DO*33 or TeroMatec® OA 3952 to protect against abrasive wear.

TYPICAL APPLICATIONS:

Used to improve the life of parts such as Buckets, Chutes, Conveyers, etc. Any applications where AR plate doesn't hold up to the abrasion but is needed for the impact.

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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