

Superior Wear Plate for Severe Impact and Abrasion

CastoDur® Diamond Plate 4923



WEAR PLATES

- Optimum resistance to wear when you have a combination of 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:

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 sheets of 51.5" x 112" 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 Technical Service department at (800) 361 9439.

TECHNICAL DATA:

Overall Thickness	Base	Overlay	Approx. Wt per sq/ft
1/2" (13mm)	8mm	5mm	24 lb.
3/4" (19mm)	12mm	7mm	31 lb.
1" (25mm)	19mm	7mm	41 lb.

STANDARD SIZE:

51.5" x 112" (approx. 130cm x 284cm)

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/in ³
ASTM G65 Wear Test Results:	24 mm ³

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. EutecTrode® 966

Alloy steels; manganese steels; hardened steels. XHD® 6868, 9598 CEC (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*266S 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*327 or TeroMatec® OA 4923 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.

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