

Chromium Carbide Wear Plate

CastoDur® Diamond Plate 4624



WEAR PLATES

- Improved resistance to wear by abrasion, moderate impact, and heat
- A wide range of custom products for every industrial application
- Can be easily cut by plasma or abrasive waterjet process
- Easily formed and fabricated for custom component manufacturing



DESCRIPTION:

CDP 4624 wearplate is a Chrome Carbide welded overlay on a carbon steel base plate. This combination of materials allows 4624 wearplate to maintain structural integrity in situations involving abrasion, light impact and heat.

4624 is manufactured in 5' x 10' (4'x9' welded area) sheets that can be cut, formed or rolled to desired shapes. 4624 is easily welded or bolted into place. For custom shapes, sizes and fabrication please contact our Technical Service Department.

TECHNICAL DATA:

Overall Thickness	Base	Overlay	Approx. Wt. per sq/ft
3/8"(10mm)	6mm	4mm	16 lb.
1/2"(13mm)	8mm	5mm	21 lb.
3/4" (18mm)	12mm	6mm	30 lb.

STANDARD SIZE:

Base Plate: 5'x10' (60" x 120" (152cm x 305 cm))
Welded Area: 4'x9' (48" x 108" (122 cm x 274 cm))
Plate Thickness: 3/8" (10mm) or 1/2" (13mm)

OVERLAY PROPERTIES:

Overlay Hardness: HRC 58-61
Microhardness of Cr C DPH: 1800-2000
Max Service Temperature: 800° F (approx. 427°C)
Overall Wear Plate Density: 0.284 lb/in³
Typ. Analysis with Principal Elements: C,Cr,Mn,Si,Fe

WELDING INFORMATION:

CDP 4624 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.

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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