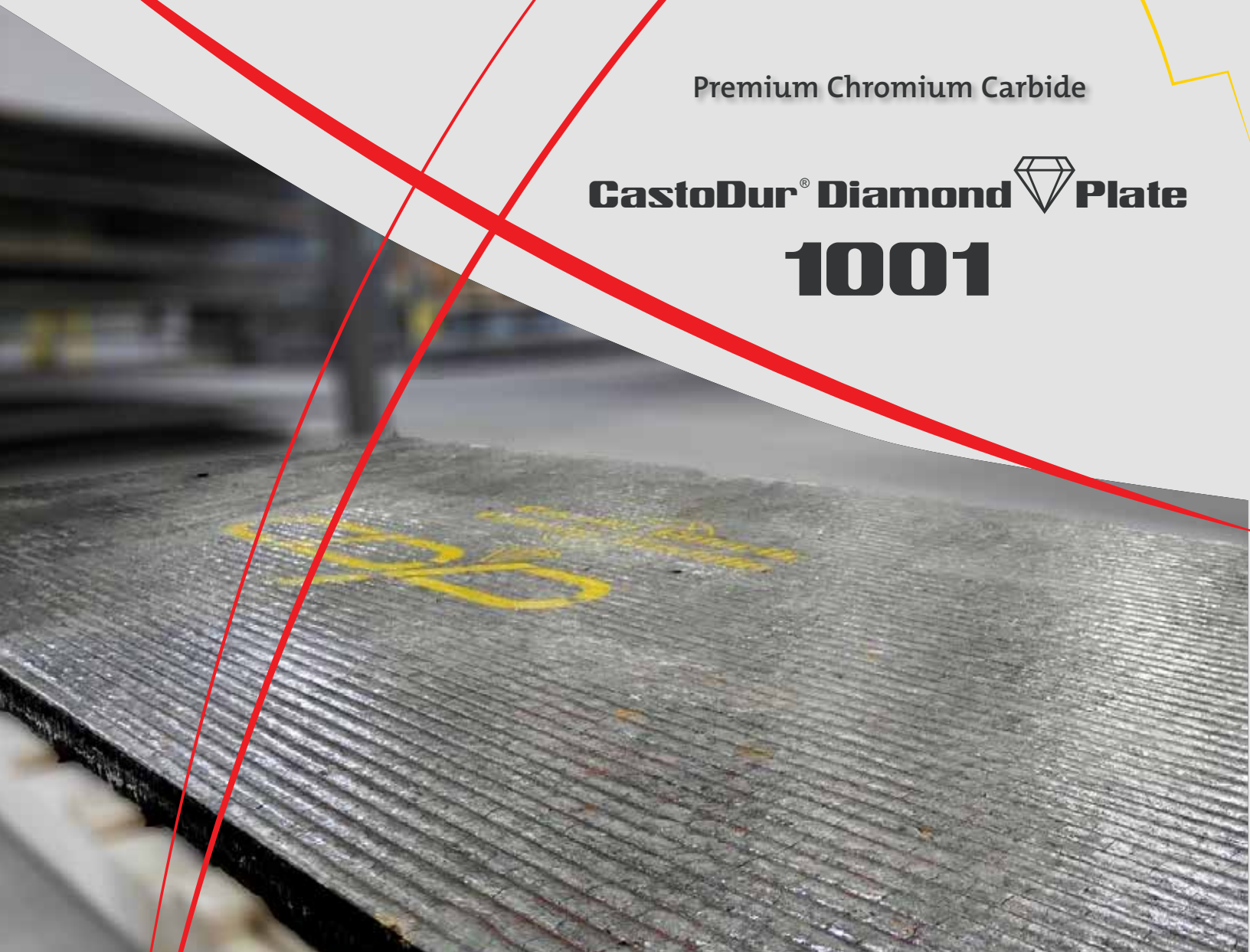




Premium Chromium Carbide

CastoDur® Diamond  Plate
1001



- Industry benchmark CCO plate for heavy sliding wear and moderate impact applications
- Cost-effective lining solution compared to traditional abrasion resistant materials
- Proven performance with chromium-rich deposit
- Multi-layer overlay providing full hardness wear resistance

CDP® 1001

CDP® 1001 is Eutectic Castolin's premium Chromium Carbide Overlay (CCO) Wear Plate.

The proprietary chemical composition of CDP® 1001 is designed to provide exceptional wear resistance in moderate to low impact conditions.

CDP 1001, with its benchmark performance in its category, is a go-to solution to improve the performance and productivity of your operations, while increasing your bottom-line.

A smooth finish with a low coefficient of friction and anti-hangup properties is available. Outstanding forming tolerances for custom component manufacturing.

- **Excellent Formability**
- **Lower Production Costs**
- **Reduced Lead Times**
- **Higher Performance**

TECHNICAL DATA

Typical Values

Nominal Hardness	58 - 63 HRC
Microhardness	1500-2200 DPH
ASTM G-65	19 - 21 mm ³
Plate Density	7.86 g/cm ³
Max. Service Temp.	450°C
Typical Analysis	Premium CrC Alloy

Plate Thickness (Base + Alloy)	Plate Dimension (Cladding Area)	lb / ft ²
10 mm (05+05)	1400 x 3500	16
12 mm (06+06)	1400 x 3500	21
20 mm (10+10)	1400 x 3500	30
25 mm (12+12)	1400 x 3500	41

STANDARD SIZE:

Standard Sheet: 1400 mm x 3500 mm (53 ft²)

- Made-to-spec base metal grade
- Custom plate sizes are available upon request
- Engineered overlay thickness varies from 3mm to 38mm

PROCEDURE FOR USE

CDP 1001 wear plates are easily welded using Eutectic alloys.

ELECTRODES

- Low and Medium carbon steels; high strength, low alloy steels:
EutecTrode® 966
- Alloy steels; manganese steels; hardened steels: **EutecTrode® CEC 9598**

Attachment weld may be overlayed with **Abratec N6710 XHD** to protect against abrasive wear.

WIRES

- Low and Medium carbon steels; high strength, low alloy steels:
EnDOtec® DO*2665
- Alloy steels; manganese steels; hardened steels:
EnDOtec® DO*685 or
TeroMatec® OA 3302

Attachment weld may be overlayed with **SafeHard 700** or **TeroMatec® OA 4603** to protect against abrasive wear.

TYPICAL APPLICATIONS

Mining & Minerals / Oil & Gas:

Feed Aprons / Chutes, Mine Skips, Bins / Hoppers, Screens, Haul Trucks

Cement:

Fan Blades, Deflector Blades and Roller Mill Classifiers

Utilities:

Exhauster Blades and Classifiers, Boiler Ducts and Burners

Recyclers:

Wear Guides, Deflectors, Holding Bins and Hoppers

