



Abrasion Resistant
Hardened Plates & Liners

CastoDur EQT **400 / 450 / 500**



- Abrasion Resistant (AR) hardened plate liners designed for abrasion & impact challenges
- Superior toughness and workability for demanding applications in mining, construction, and recycling
- Reduce maintenance downtime and increase productivity

CastoDur EQT

Abrasion Resistant (AR) hardened plates and liners are high-strength steel components that undergo a specialized heat treatment process to enhance their hardness, toughness, and wear resistance. The steel is first heated (quenched) and rapidly cooled to increase hardness, then reheated (tempered) to achieve the optimal balance of strength and ductility.

This process makes our **CastoDur EQT hardened plate liners** ideal for demanding applications where abrasion, impact, and structural integrity are critical, such as mining, construction, and heavy equipment.

TECHNICAL DATA

Typical Values	CastoDur EQT 400	CastoDur EQT 450	CastoDur EQT 500
Nominal Hardness	400 BHN	450 BHN	500 BHN
Typical values for 20mm plate thickness:			
Max. Service Temp.	250°C		
Yield Strength	174,000 psi (1200 MPa)		
Tensile Strength	203,000 psi (1400 MPa)		

Overall Thickness	Approx. weight per sq/ft
10 mm	16
12 mm	21
20 mm	32
25 mm	41

CastoDur EQT is available in a variety of thicknesses, up to 6".

VALUE ADDED SERVICES

Precision Cutting - Forming - Fabrication

- HD Plasma and Bevel Cutting
- Plate Forming
- Drilling & Machining
- Lifting Lugs & Attachments
- For additional protection, add Chrome White Iron (CWI) or CDP complex carbide weld overlay as reinforcement

WELDING INFORMATION

CastoDur EQT abrasion resistant liners are easily welded using Castolin Eutectic alloys.

Preheating is recommended as per the following plate thicknesses:

- 0 - 5/8": No preheating
- 3/4" - 1½": 260°F (127°C)
- 1 5/8" - 3": 350°F (177°C)

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

- Dipper and rope shovels
- Primary and secondary crushers
- Receiving and discharge hoppers
- Mine skips and loading pockets
- Feed, load-out and discharge chutes
- Apron feeders and skirt liners
- Truck bed liners
- Rock crusher liners
- Bucket lips
- Fan blades and housings
- Mixer paddles

...and more!

