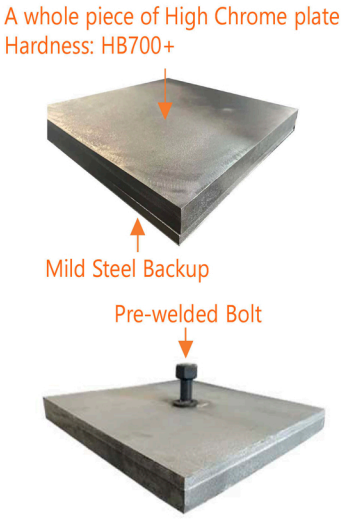
# Bimetal Wear Liners

An innovative solution for side liners in Impact crushers.

Chrome white iron casting plate brazed (not overlay welding) with mild steel back plate, top layer of chrome plate provides excellent wear life and back mild steel plate provides excellent impact resistance. Liner can be made with bolts pre-welded on the back to avoid excessive wear on hole areas.




| **Tickness of Bimetal liner** | Thickness of Chrome | Thickness of Back steel | Bolt type |
|---|---|---|---|
| 20mm | 12mm | 8mm | • Pre-bolted<br>• Thru threaded |
| 25mm | 15-17mm | 8-10mm | • Pre-bolted<br>• Thru threaded |
| 30mm | 20-22mm | 8-10mm | • Pre-bolted<br>• Thru threaded |

| **Comparison** | **Advantages** | **Liner cost** |
|---|---|---|
| Bimetal<br>VS<br>Alloy steel liners | • 200% - 300% wear life increased<br>• No weak points at hole areas, and assembly bolts are no longer required, easier installation (Pre-bolted) | • 100%-200% increased |
| Bimetal<br>VS<br>Manganese casting liner | • 300%-400% wear life increased<br>• No weak points at hole areas, and assembly bolts are no longer required, easier installation(Pre-bolted) | • 200%-300% increased |
| Bimetal<br>VS<br>Chrome casting liner | • No risk of breakage<br>• Longer life, no weak points at hole areas and assembly bolts are no longer required, easier installation (Pre-bolted) | • 80%-100% increased |
| Bimetal<br>VS<br>Hardfacing liner | • No racks on wear face<br>• No risk of peeling off<br>• Thicker wear face, 200-300% wear life increased | • 200%-300% increased |