

Wear Parts For Impact Crusher





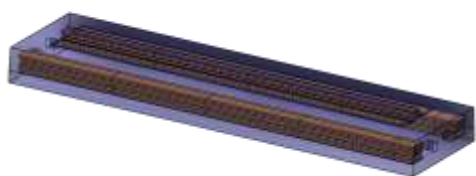
Blow bars, impact plate, side liner and rotor protection liner are the major wear parts that be frequently replaced on impact crusher and these account for a big part of the operation cost.

Extending the wear life of blow bars, impact plates, side and rotor liners can reduce the downtime of crusher, save the expensive labor cost for maintenance and consequently save the crushing cost on per ton.

As a wear parts manufacturer, Sunwill is applying the advanced MMC (Ceramic Embedded) and Bimetallic technology on the crusher parts to improve their wear performance. This has been proven to be the most efficient solution to reduce the downtime of crusher so as to relieve customers from the burden of operation cost.

Ceramic Embedded & Bimetallic Technology

Reduce the downtime of impact crushers

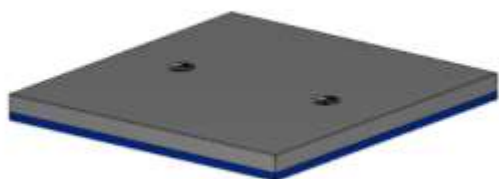


MMC Ceramic Embedded

A casting technology that embeds the ceramic grits into the casting at molten state.

The embedded ceramics largely enhance the ability of wear resistance of casting.

MMC technology is used to make the blow bars and impact plates last much longer



Bimetallic

A wear technology that combines two different types of metals (always chrome backed with mild steel) by brazing. It combines the good wear performance of chrome white iron and the good impact resistance of mild steel.

Bimetallic is used to make the side plates and chocky bars with longer life for Impact crushers.

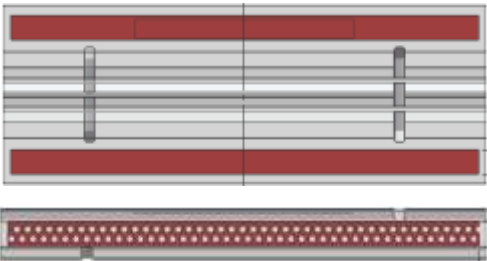


BLOW BARS

Select the Right Material for Right Application

No one material suits all crushing applications. Using the right material for blow bars is so important to efficiently and safely run the impact crusher. Sunwill offers a wide range of material options for blow bars to suit the applications from low wear to extreme abrasion.

- Manganese steel
- Manganese steel with TIC inserts
- Martensitic steel
- Martensitic steel or with Ceramics
- Chrome white iron
- Chrome white iron or with Ceramics



Customized Wear Solution For Blow Bars

Sunwill is able to provide the customized solution for blow bars catering to specific application and wear conditions on sites.

Please just simply advise the application details, our engineers will come back to you with the best proposal.



BLOW BAR SELECTION

Code	Material	Basis Hardness	Wear Resistance	Applications
S200	Manganese steel	200-250HB	Relatively low	Large feed size low-abrasiveness stones e.g. limestones.
S200T	Manganese+Tic	200-250HB	Up to 100% increased on S200	Same as above but where longer wear life required.
S550	Martensitic Steel	500-550HB	Medium	Medium feed size of low to medium abrasiveness, such as Limestones, Asphalt, Concretes, Building rubbles with steel rebars or a small quantity of unbreakable objects.
S550C	Martensitic Steel +Ceramic	500-550HB	Up to 100% increased on S550	Same as above but where longer wear life required.
C650	High Chrome	600-650HB	High	Small feed size of medium to high abrasiveness but low strength, such as Limestones, Asphalt, Concretes, Building rubbles without steel rebars or unbreakable objects.
C650C	High Chrome +Ceramic	600-650HB	Up to 100% increased on C650	Same as above but where longer wear life required.
C650X	High Chrome +Ceramic	600-650HB	150% increased on C650	Small feed size of high abrasiveness and high strength materials, such as gravels, granites without unbreakable objects

Sunwill supply blow bars to suit following and more brands:

- Metso
- Terex
- Powerscreen
- Finlay
- Evoquip
- Rubblemaster
- Hazemag
- Tesab
- McCloskey
- Eagle
- KPI-JCI
- Sandvik
- Hartl
- Striker
- Kreat
- Portafill
- Lippmann
- Rockster
- Mesda
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* All brands mentioned above are for reference purpose only.

SIDE LINERS & IMPACT PLATES

Bimetallic (Chromium Brazed Steel) Liner

An innovative solution of wear liner.

Wear life is 300% to 400% as long as the alloy steel liners.

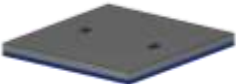

Easier assembly with bolts pre-welded on.

Mild Steel Backup



A whole piece of High Chrome plate
Hardness: HB700+

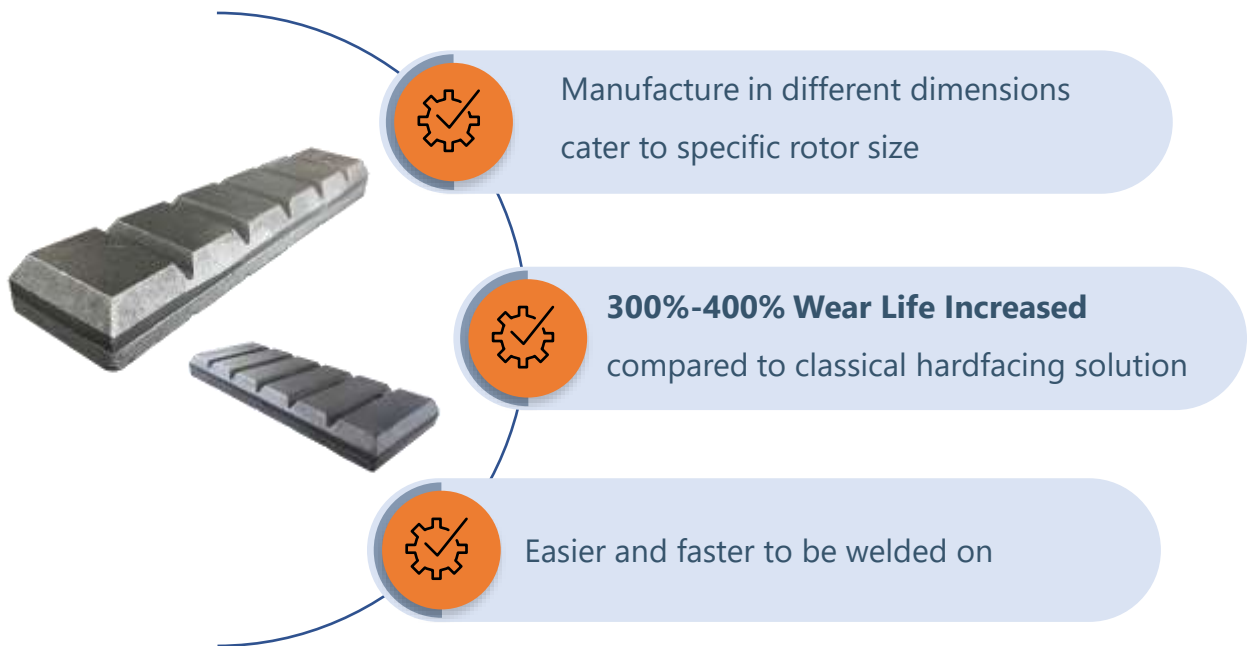


Parts	Code	Material	Hardness	Applications
 SIDE LINER	R50	Bimetallic	>700HB	High abrasiveness applications, Particularly at the rotor areas where the most abrasion happens.
 IMPACT PLATE	S200	Manganese steel	200-250HB	Large feed size low abrasiveness stones
	S550	Martensitic steel	500-550HB	Large to medium feed size low abrasiveness
	S550C	Martensitic +Ceramic	500-550HB	Small to medium feed size high abrasiveness
	C650	High chrome	600-650HB	Small feed size high abrasiveness without unbreakable objects



ROTOR PROTECTION LINER

Bimetallic (Chromium Brazed Steel) Chocky Bars



WEDGE & ACCESSORIES

Sunwill is able to provide the customized wedges and other accessories for impact crushers.



GALLERY OF SUNWILL PRODUCTS

Blow bars for Impact Crushers



Hammers for Hammer Crushers



Anvils and Shoes for VSI crushers



Hammer tips for Sugarcane shredders and Woodhog



Wear plates for Buckets, Ball mills and Chutes





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