

Where wear bites in crushing & screening

Crushing and screening plants subject equipment to the **highest impact loads** in the aggregate chain - primary jaw and gyratory crushers shock-load on every rock; impact and hammer crushers add high-speed gouging abrasion to the impact duty; secondary cones and rolls trade impact for sustained sliding abrasion against fragmented hard rock. Downstream, vibrating screens and grizzlies see continuous fines abrasion, while chutes and transfer points concentrate the wear at every change of direction. Quenched-and-tempered (Q&T) AR plate, paired with austenitic manganese (Mn13) at the highest-impact wear faces, is the proven response - far longer life than mild steel and far lower swap-out time than bolted rubber lagging.

Components where AR plate goes

In stationary and mobile crushing & screening plants, Tradepass AR wear plate is supplied for:

- Jaw crushers - fixed and swing jaw plates, cheek plates, toggle seats, feed-pocket liners.
- Gyratory and cone crushers - mantle and bowl-liner backing plates, spider arms, dust-seal rings, discharge cone liners.
- Impact and hammer crushers - blow bars, side liners, breaker plates, grates and sieves, rotor disks, hammer carriers.
- Roll crushers - feed chutes, roll-cheek protectors, skirt boards.
- Grizzly feeders and apron feeders - pan liners, side walls, hopper-floor plates.
- Vibrating and banana screens - side plates, side-wall liners, deck supports, undermesh structures.
- Conveyor transfer points and skirt boards immediately after every crushing stage.
- Mobile-plant chutes, dump-hopper bodies and load-out bin liners.

Plates are cut to size, bevel-prepared and formed where the part needs it, supplied with **mill test certificate** showing heat number, chemistry and mechanicals - traceable from the mill to your shop floor.

Grade recommendations from the Tradepass stock range

Where it goes	Recommended grade	Tradepass stock
Light wear: screen side-walls, deck supports, light chutes	AR200	5-25 mm, both warehouses
General wear: skirt boards, transfer chutes, feeder pan liners, mobile-plant hoppers	AR400	2-100 mm, both warehouses
Heavy wear: cone-crusher discharge liners, impact-crusher side liners, grizzly-feeder side walls	AR500	3-80 mm, both warehouses
Extreme abrasion: cone backings on hard-rock duty, impact-zone hammer-mill liners	AR600	5-16 mm, both warehouses
High-impact: jaw plates, hammer-crusher blow bars, grizzly bars, cone mantles in shock service	Mn13 (work-hardens to ~550 HB)	6-100 mm, both warehouses

Why Tradepass

Mill-direct import from leading Indian and global mills - Tata Steel, AMNS India, Jindal Steel (JSPL), Baosteel, Shougang. Both Kalamboli and Faridabad warehouses carry the full AR range plus S690QL high-strength plate. WhatsApp us the crusher model, the feed material and the wear pattern you're seeing - we recommend a grade, thickness and cut size, usually within the hour during working hours.