TRADEPASS

SPECIALIST STEEL · ONE-PAGER

Mining & Quarrying

AR wear plate for surface mining and open-pit operations

Where wear bites in mining & quarrying

Mining and quarrying expose equipment to the most punishing wear duty in heavy industry - **gouging abrasion** from ore, overburden and aggregate; **high-energy impact** at crusher jaws, hammer mills and ball mills; **sliding abrasion** along chutes, hoppers, feeders and dump-truck bodies; and **corrosive slurry** in pipelines and washers. Quenched-and-tempered (Q&T) abrasion-resistant plate replaces mild steel, manganese castings and bolt-on rubber liners across the production line - typically **doubling component service life** while cutting both maintenance downtime and the weight of welded fabrications.

Components where AR plate goes

In **surface and underground mining**, Tradepass AR wear plate is supplied for:

- Excavator and shovel buckets - front-shovel, power-shovel and dragline buckets, plus bucket teeth, lips and wear bars.
- Feeders, skips, bins, railway hopper-car liners, cyclones.
- Ball-mill inlet chutes, gratings and liners.
- Slurry-pipe walls and fittings, dump-truck body floors and side walls.

In **quarrying and open-pit aggregate**, Tradepass AR wear plate is supplied for:

- Hammer mills - hammers, spacers, sieves, grizzly bars and inner linings.
- Jaw, rotary, impact, cone and gyratory crushers - jaw plates, mantles, wedges, inlet cones, protector rings and chamber liners.
- Sorting and vibrating screens - mesh frames and supporting structures.
- Screw conveyors, belt-conveyor chutes and skirt-board liners.
- Plant chutes, hoppers and transfer points in high-impact zones.

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: smaller chutes, hoppers, screen frames, light liners	AR200	5-25 mm, both warehouses
General wear: conveyor liners, feeders, skip and bin walls, hopper-car liners, dump-truck floors, screw conveyors	AR400	2-100 mm, both warehouses
Heavy wear: front-shovel and power-shovel buckets, hammer-mill liners, jaw / cone / gyratory crusher liners, mill inlet chutes, cyclone walls	AR500	3-80 mm, both warehouses
Extreme abrasion: dragline buckets, ball-mill impact zones, hard-rock crusher chamber liners	AR600	5-16 mm, both warehouses
High-impact: crusher jaws, hammer-mill hammers, grizzly bars, transfer-point liners	Mn13 (work-hardens to ~550 HB in service)	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 wear part, the material it sees and how it's failing today - we recommend a grade, thickness and cut

Tradepass Advance Materials LLP · Trading since 2016

Kalamboli: 1493A, Kalamboli Steel Market, Panvel, Dist Raigad, Maharashtra 410218

Faridabad: Plot No 4, Choudhary Complex, Dabua Pali Road, Pali, Faridabad, Haryana 121004

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size, usually within the hour during working hours.

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