

Where wear bites in steel & metal works

Steel mills, foundries and rolling plants run some of the heaviest wear duty in industry. **Scrap and raw-material handling** at the front end is full of impact and gouging - magnet drops, shredder discharge, crane-grab cycles. **Slag, dust and mill-scale handling** downstream of the furnace combines high temperature with abrasive iron-oxide skirt material. **Coil and billet handling** loads up wear at every transfer point. Re-rolling mills compound the problem with hot scale and high cycle counts. Q&T abrasion-resistant plate - and at the impact faces, Mn13 - extends the swap-out interval at every one of these wear faces.

Components where AR plate goes

In integrated and mini steel plants, Tradepass AR wear plate is supplied for:

- Scrap yards - magnet-crane skirt walls, shredder discharge chutes, scrap-bucket and grapple liners, baler wear plates.
- Charging bays - charging-bucket and crane-grab wear faces, EAF roof transfer chutes.
- Furnace and casting bays - slag-pot wear plates and sub-pot supports, slag-skull breakers, slag-runner side walls, ladle-car wear plates.
- Mill-scale handling - scale-pit liners, scale-conveyor chutes, scale-screen frames.
- Continuous-casting plant - billet/bloom run-out roller-table side guides, transfer-roller skirt liners.
- Rolling-mill area - coil-car wear pads, coil-transfer skid liners, downcoiler floor plates.
- Sinter-plant and pellet-plant - feed-bin liners, sinter-cooler side walls, return-fines chutes.

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: small chutes, scale-screen frames, light coil-transfer skids	AR200	5-25 mm, both warehouses
General wear: scrap-yard skirt walls, scale-conveyor chutes, slag-runner side walls	AR400	2-100 mm, both warehouses
Heavy wear: slag-pot wear plates, charging-bucket liners, sinter-plant feed-bin liners	AR500	3-80 mm, both warehouses
Extreme abrasion: shredder discharge chambers, slag-skull breaker faces	AR600	5-16 mm, both warehouses
High-impact: scrap-bucket lips, shredder hammer carriers, magnet-drop floor plates	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 plant area, the wear face and how it's failing today - we recommend a grade, thickness and cut size, usually within the hour during working hours.