

CRUSHER WEAR PARTS

Stedman Blow Bars

Replacement bars for Stedman and comparable North American impactor designs, supplied as weight-matched sets.



OVERVIEW

Melco supplies replacement blow bars for Stedman impactors and for the comparable Eagle, Metso and Astec designs that share similar rotor arrangements. These are long-standing export lines for us, shipped in container quantities to North America.

Bars are cast to the customer drawing or reverse-engineered from a sample, then heat treated to the grade appropriate for the duty. Because these machines often run mixed recycling feed as well as virgin rock, we frequently supply the same profile in more than one alloy.

Every set is weighed and matched, and the mounting geometry is checked against the drawing so the bar seats square in the rotor pocket.

APPLICATIONS

- Stedman, Eagle, Metso and Astec impact crushers
- Aggregate and hard rock crushing
- Recycled concrete and asphalt
- Industrial minerals and lime processing

KEY FEATURES

- Established export line - Regularly shipped in container quantities to North American aggregate and recycling operations.
- Multiple alloys per profile - The same bar in high chrome, martensitic or manganese steel to suit changing feed.
- Checked mounting geometry - Pocket faces verified against drawing so the bar seats square and the rotor runs true.
- Export packing as standard - Bars strapped to heat-treated timber pallets, marked and documented for sea freight.

MANUFACTURING SPECIFICATION

Parameter	Specification
Moulding	No-bake resin sand and green sand
Melting	Induction furnace, spectrometer-controlled
Piece weight	5 kg - 2,000 kg
Heat treatment	In-house, computer-controlled cycles
Dimensional control	Template and CMM check against drawing
Documentation	Chemical, hardness and dimensional report per heat

MATERIAL GRADES

Grade	Typical composition	Hardness	Suited to
ASTM A532 Cl. II Type B (15Cr-3Mo)	14-18% Cr, 2.5-3.5% Mo, 2.4-3.0% C	58-64 HRC	General high-abrasion impact crushing
ASTM A532 Cl. II Type D (20Cr-Mo)	18-23% Cr, 1.5% Mo max, 2.0-3.3% C	58-63 HRC	Abrasive limestone and secondary duty
Low-alloy martensitic steel	0.3-0.5% C, Cr-Ni-Mo alloyed	45-52 HRC	Mixed impact and abrasion
Martensitic / manganese composite	Hard martensitic face, austenitic Mn body	50 HRC face, tough core	Reinforced concrete and recycling
ASTM A128 Grade A	1.05-1.35% C, 11.0-14.0% Mn	200-229 BHN as-cast, 500+ BHN work-hardened	Standard high-impact duty

ENQUIRIES

Send a drawing, a sample or the machine model and we will confirm the fitment, recommend a grade and quote a firm price and delivery date.

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Web: <https://www.wearcastings.com/products/stedman-blow-bars>

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