

CRUSHER WEAR PARTS

Hazemag Blow Bars

Replacement bars for Hazemag impactors, cast in the alloy that matches your feed rather than a single default grade.



OVERVIEW

Hazemag impactors are widely used on limestone and aggregate duty, and the blow bar profile has to seat exactly for the rotor to run true. Melco produces replacement bars for the common APK, APS and APSE families, working from drawings, a sample bar or a scan of a worn part.

We cast the same profile in high chrome, martensitic steel and austenitic manganese steel. Which one you should run depends on the feed: high chrome for clean abrasive rock, manganese where tramp metal appears, martensitic where the duty sits between the two.

Mounting faces and overall length are checked against the drawing before dispatch, because a bar that is correct in hardness but wrong on the seat will hammer the rotor rather than the rock.

APPLICATIONS

- Hazemag APK, APS and APSE impact crushers
- Limestone crushing for cement production
- Aggregate and road base production
- Primary and secondary impact crushing circuits

KEY FEATURES

- Profile matched to the rotor - Mounting faces and length verified against drawing or sample so the bar seats correctly and runs balanced.
- Three alloy families available - The same bar in high chrome, martensitic or manganese steel, so the alloy follows the feed.
- Supplied in matched sets - Bars are poured and weighed as a set to keep the rotor in balance across a change-out.

- Reverse engineering from worn parts - No drawing needed. We recover the original geometry from the unworn mounting surfaces.

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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