HSI BLOW BAR

QUICK SELECTION GUIDE

Fast Reference for Field Engineers & Procurement

RAPID SELECTION FLOWCHART

STEP 1: What is your tramp metal risk?
→ HIGH (rebar, steel, unknowns): Go to STEP 2A
→ LOW/NONE (clean, controlled): Go to STEP 2B

STEP 2A (High Tramp Metal):
→ Primary crushing, large feed? → **MANGANESE (Mn18Cr2)**
→ Need better edge life? → **MANGANESE + TiC**
→ Recycling with some rebar? → **MARTENSITIC**
→ Recycling, controlled rebar? → **MARTENSITIC + CERAMIC**

STEP 2B (Low/No Tramp Metal):
→ Variable conditions, some impact? → **HIGH CHROME (Low Hardness)**
→ Clean secondary, abrasive? → **HIGH CHROME**
→ Ultra-clean, maximum life? → **HIGH CHROME + CERAMIC**
→ Manufactured sand, extreme abrasion? → **HC + CERAMIC PLUS**

ALLOY QUICK SPECIFICATIONS

Alloy	Hardness	Impact	Tramp OK?	Best For
Mn18Cr2	HB 200→550	Very High	YES	Primary, demolition

Phone: +1 308 465 1950 | Email: info@atfcs.com

Mn + TiC	HB 200→550 + HV 3200	Very High	YES	Abrasive primary
Martensitic	48-54 HRC	Med-High	SOME	Recycling
Mart + Ceramic	48-54 HRC + HV 1600	Medium	LOW	Clean recycling
High Chrome	60-64 HRC	Very Low	NO	Clean secondary
HC + Ceramic	60-64 HRC + HV 1600	Very Low	NO	High abrasion
HC + Cer Plus	60-64 HRC + Extended	Very Low	NO	M-sand, max life
HC (Tempered)	55-58 HRC	Low-Med	LOW	Variable quarry

Phone: +1 308 465 1950 | Email: info@atfcs.com

APPLICATION MATRIX

Application	1st Choice	2nd Choice	DO NOT USE
Concrete (heavy rebar)	Martensitic	Mn18Cr2	Any HC family
Concrete (light rebar)	Mart+Ceramic	Martensitic	HC+Ceramic
Asphalt (clean RAP)	Mart+Ceramic	HC+Ceramic	Manganese
Limestone 2ndary	HC+Ceramic	High Chrome	Manganese
Basalt/Granite	HC+Cer Plus	HC+Ceramic	Martensitic
M-Sand production	HC+Cer Plus	HC+Ceramic	All others
Mixed demolition	Martensitic	Mn18Cr2	Any HC family
Primary (variable)	Mn18Cr2	Mn+TiC	Any HC family
Quarry (variable)	HC (Tempered)	Martensitic	HC Standard

CRUSHER SETTINGS QUICK REFERENCE

Rotor Speed Impact:
• LOWER speed → Less wear, more oversize, lower energy
• HIGHER speed → More fines, exponentially faster wear, higher energy

Curtain Gap (S1/S2) Impact:
• TIGHTER → Finer product, increased wear rate
• WIDER → Coarser product, reduced wear rate

Typical Starting Points:
• S1 (Primary apron): 40-80mm depending on product spec
• S2 (Secondary apron): 15-40mm depending on product spec
• Always maintain left/right symmetry (±2mm tolerance)

TECHNICAL SUPPORT

Need help selecting the right blow bar?

Phone: +1 308 465 1950
Email: info@atfcs.com
Web: www.atfcrusherparts.com

Provide: Crusher make/model, feed material, current wear life, photos of worn bars

Response: Technical quote with alloy recommendation within 24-48 hours

Foundry
Bailongqiao Industrial Park
State Rd 251 (Km 330)
Jinxi Industrial Zone
Jinhua, Zhejiang
P.R. China

Export Office
Unit E01, Flat D, 10/F
Wong King Industrial Building
2-4, Tai Yai Street
Kowloon
Hong Kong

Phone: +1 308 465 1950 | Email: info@atfcs.com