China Crusher Wear Parts
Procurement Decision & Verification Sheet

One-page reference for procurement, maintenance & reliability teams

How to use: Identify your operating scenario → focus on the related risks → request the matching verification evidence. Missing evidence indicates mismatched risk.

Step 1 | Operating Scenario Classification

Level A – Cost-driven	Limited runtime, backup machines, acceptable downtime
Level B – Stability-driven	Continuous operation, downtime impacts cost
Level C – Critical	High-load crushing, unplanned downtime unacceptable

Step 2 | Primary Risk by Scenario

Level A	Incorrect fit or part mismatch
Level B	Batch-to-batch performance variation
Level C	Internal defects & unpredictable failure

Step 3 | Verification Requirements

Level A (Minimum Safe Baseline)
• Confirm part number AND 2–3 critical mounting dimensions
• Material type clearly defined
• Basic outgoing inspection (appearance & dimensions)

Level B (Stability-focused)
• Explain part number version/region differences
• Chemical composition ranges & batch consistency logic
• Defined heat treatment & quenching parameter ranges

Level C (Critical risk control)
• 3D scanning or reverse engineering when part numbers are incomplete
• Casting integrity explanation (inclusion, porosity risk reduction)
• Industry-aligned heat treatment (e.g. ≥1040°C solution treatment for Mn-steel)
• Appropriate inspection records (UT / DPT) & install-ready delivery protection

Final Decision Rule:
Part numbers locate. Drawings define. Critical dimensions verify.
Material sets the baseline. Process controls consistency.
Evidence decides where the risk stays.