

# Titanium Carbide Hammers & Blow Bars

## Toughened with TiC for Maximum Wear Life



Unicast hammers and blow bars with titanium carbide (TiC) inserts deliver outstanding durability. Here's how:

- ✓ **Increased Wear Life:** Unicast's unique TiC hammer and blow bar design features a strengthened high-wear zone for maximum usable wear life and reduced breakage.
- ✓ **Strengthens as It Works:** Hammer body is cast in durable manganese steel (M19) that gets harder the longer you work it.
- ✓ **Consistent Wear:** More consistent wear profile for uniform product output and increased efficiency.
- ✓ **Titanium Carbides:** TiC inserts currently available are 20mm, 40mm, and 60mm depths.
- ✓ **Fewer Change-Outs:** Greater durability and longer wear life means fewer change-outs, more uptime, and lower maintenance costs.



### Switch to Unicast TiC for Longer Wear Life: Here's Proof

Case Studies	Before	After Switching to Unicast TiC
<p><b>1</b> <b>Location:</b> Recycling</p> <p><b>Material:</b> 85% concrete, 15% asphalt</p> <p><b>Machine:</b> 1213 Impactor Crusher</p>	<p>Competitor's ceramic-embedded blow bars shattered after crushing 11000 Tons</p>	<p>Unicast M19 TiC Blow Bars crushed 38000 Tons:</p> <p>✓ 3.45 X wearlife!</p>
<p><b>2</b> <b>Location:</b> Cement Plant</p> <p><b>Material:</b> Limestone</p> <p><b>Machine:</b> 341lb Universal/Pettibone Hammers</p>	<p>Competitor's M8 hammers delivered a wear life of 450-600 hours before replacement</p>	<p>Unicast TiC hammers with 40mm pins averaging 1000-1300 hours:</p> <p>✓ up to 2.22 X wearlife!</p> <p>TiC hammers with 60mm pins projected wear life 1500 hours:</p> <p>✓ up to 2.5 X wearlife!</p>
<p><b>3</b> <b>Location:</b> Cement Plant</p> <p><b>Material:</b> Limestone</p> <p><b>Machine:</b> 1550 Pennsylvania Hammer Mill</p>	<p>Competitor's high chrome hammer lasted for 2 weeks before breaking</p>	<p>Unicast TiC M2 Hammers and suspension pins lasted 8 weeks:</p> <p>✓ up to 4 X wearlife!</p>