

A SPECIAL TITANIUM CARBIDE ALLOY COMBINATION FOR WEAR FACING AGAINST SEVERE IMPACT & ABRASION

Alloy Basis

C, Ti, Cr, Mo

Characteristics :

Exhibits exceptional resistance to impact, pressure, and abrasion, making it ideal for thick, multi-pass protective coatings. Features finely dispersed titanium carbides embedded in a robust martensitic matrix



Typical Application

Grinding paths, hammers, crusher rotor discs, tamping tools, clinker breaker hammers, blow bars, and rollers.

Mechanical Properties

Hardness : 52 - 60 HRC

Welding Current : AC, DCEP

Size (Ø mm)	3.15	4.00	5.00
Current (amps)	110 - 150	160 - 200	190 - 240

Availability:

Standard Size: 5.0, 4.0, 3.15 in 350 mm length

Packing: 2 kg.

Procedure

Clean the weld area thoroughly. Preheat carbon and low alloy steels based on their carbon equivalent. Do not preheat manganese steel. Maintain an interpass temperature below 175°C. Use a short arc length and apply stringer beads for optimal results.