TiC rod basic information introduction

TiC rod main technical indicators:

1. Hardness: 82-89 HRA
2. The density: 6.0 to 6.5 g/cm3;

Titanium carbide wear parts are mainly applied to the alloy ball, hammer head, alloy plate and large crusher hammers, large ball mill wearing parts, improve the service life of equipment;
The main characteristic of the TiC inserts: high temperature corrosion resistance, wear resistance;

Wear parts for the processing of TIC cermet rods considerations:

1) steel is suitable for the high manganese steel material.

2) steel casting than normal without the improvement of TIC 60-100 degrees.
3)before make and fly a TIC rod boron salt water soaking liquid, remove dry and then use (DNA)

4) casting, fixed first TIC on steel, Shijiazhuang again, (because the density of TIC is lighter than steel,
Without fixed first TIC rods, stick instability.

5) after forming, heat treatment, and water toughening treatment with high manganese steel water

TiC rod technical data:

Commodity: TITANIUM CARBIDE CERMET RODS			
Grade: LFT12			
PHYSICAL		CHEMICAL	
		Compositions	wt.%
TRS（ISO 3327）	1800 +200 N/mm2	Ni	2.0
Hardness（ISO 3878）	82.5±0.5 HRA	TiC	47.0
Density（ISO 3369）	6.2 ±0.2 g/cm3	Fe	37.0
Average Grain Size	2.0 ±0.5 μm	Mn	10.0
Porosities	A02B00C00	Other	4.0