



SelectWear 600TIC

Description

SelectWear 600TIC deposits a high volume fraction of titanium carbides in a martensitic matrix. It has high abrasion resistance and excellent resistance to impact. It is well suited for applications involving extreme wear under high pressure. **SelectWear 600TIC** is designed for one or two layer deposits. The deposit will not stress relief cross crack and it is not machinable.

Alloy Group

Titanium Carbide

Applications

Designed for metal-to-earth wear resistance: Grinding/pulverizing rolls and table segments, roller presses, dredge pump shells and rock crushing hammers.

Deposit Properties

- Chemistry: Fe-Cr-Ti-C
- Hardness (2 layers): Rc54-58
- Non-machinable
- Deposits do not cross crack

Recommended Welding Parameters

600TIC-MCO - Open arc, metal cored wire

<u>Diameter</u>	<u>Polarity</u>	<u>Current (amps)</u>	<u>Voltage</u>	<u>ESO</u>
.045"	DCEP	150-225	23-27	1/2"-1"
1/16"	DCEP	200-300	24-28	3/4"-1 1/4"
3/32"	DCEP	350-450	26-30	1"-1 1/2"
7/64"	DCEP	400-500	27-31	1 1/4"-1 3/4"
1/8"	DCEP	450-550	29-34	1 1/4"-1 3/4"

Rev 3 (01/20/2014)

Notice: The results reported are based upon testing of the product under controlled laboratory conditions in accordance with American Welding Society Standards. Actual use of the product may produce different results due to varying conditions. An example of such conditions would be electrode size, plate chemistry, environment, weldment design, fabrication methods, welding procedure and service requirements. Thus the results are not guarantees for use in the field.