

## **ULTRACORE<sup>®</sup> BRAND FERRO TITANIUM 70% CORED WIRE**

Titanium at steelmaking temperatures forms very stable compounds with oxygen, carbon, nitrogen and sulphur. Because of this property, it is often used in steelmaking to fix these elements, neutralizing their harmful effects.

Globe Metales, S.A., produces FeTi 70 % Cored wire in various diameters to accommodate customers' injection machines and ladle size requirements.

### **CHEMICAL COMPOSITION:**

The typical composition of Ferro Ti powder in the cored wire is shown below.

	<b>Guaranteed Range</b>
Ti (%)	68 - 75
Al (%)	Max. 5
C (%)	Max. 0.2
Si (%)	Max. 0.5
P (%)	Max. 0.05
S (%)	Max. 0.04
N (%)	Max. 0.8
V (%)	Max 3.0

For a 13 mm. wire, typical Fe Ti linear density is shown below:

<b>Diameter</b>	<b>Gr/meter</b>	<b>GrTi/meter</b>	<b>GrAl/meter</b>	<b>GrC/meter</b>	<b>GrSi/meter</b>	<b>GrN/meter</b>	<b>GrV/meter</b>
<b>13 mm</b>	365	260.9	18.25	0.73	1.82	2.92	10.95
	+5%	+5%	+5%	+5%	+5%	+5%	+5%
<b>16 mm</b>	550	393.25	27.5	1.1	2.75	4.4	16.5
	+3%	+3%	+3%	+3%	+3%	+3%	+3%

<b>Diameter</b>	<b>Lb/ft</b>	<b>Ti Lb/ft</b>	<b>Al Lb/ft</b>	<b>C Lb/ft</b>	<b>Si Lb/ft</b>	<b>N Lb/ft</b>	<b>V Lb/ft</b>
<b>½ inch</b>	0.245	0.175	0.0122	0.0005	0.0012	0.002	0.007
	+5%	+5%	+5%	+5%	+5%	+5%	
<b>16 mm</b>	0.369	0.264	0.0185	0.0007	0.0018	0.003	0.011
	+3%	+3%	+3%	+3%	+3%	+3%	+3%

### **SIZING:**

Fe Ti cored wire is available in a variety of diameters and length. Both vertical and horizontal axis orientations are available to suit customer's feeding system.

Typical coil dimensions are shown below (i.e. 13 mm or ½ inch)

<b>Diameter</b>	<b>Length</b>	<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Width</b>
<b>13 mm</b>	3000 mt.	600 mm	1100 mm max	800 mm
<b>Diameter</b>	<b>Length</b>	<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Width</b>
<b>½ inch</b>	9840 ft.	1.968 ft	3.61 ft max	2.624 ft.

### *PACKAGING:*

For protection from moisture and damage during transportation and storage, coils are encased in a steel basket, placed on wooden pallets and shrink wrapped in plastic film. Other options of packing are available upon request.

### *QUALITY:*

Fe Ti 70% core wire is produced under Quality Controlled conditions in our San Luis Manufacturing Plant, certified under ISO 9000/2000

### *MATERIAL SAFETY DATA SHEET:*

Available to Globe customers. Please ask your sales representative.

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