



## DIAMOND WIRE SAW



### A) DRY DIAMOND WIRE (WITHOUT WATER SPRAYING)

This type of Diamond wire saw is designed for cutting marble stones without water spraying. It is the best solution for water spraying problem in cold locations or quarries that supply of water is inconvenient.

TYPE OF BEADS	APPLICATION	SAMPLE STONES
<b>M10</b>	Dry diamond Wire for cutting All types of Marble.	Travertine, Onyx ETC
	Hard Marbles	Cream Marble

Beads Diamter	Beads/m	Assembling	Cutting Speed	Life Time
10.5 mm.	29/ 30/ 33	Spring fitting/ Spring +plastic Injected	10- 16m <sup>2</sup> /h	100-160 m <sup>2</sup> /m
11 mm.				
11.5 mm				

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### (B) DIAMOND WIRE (with water spraying)

TYPE OF BEADS	APPLICATION	SAMPLE STONES
<b>M12</b>	Hard and Medium Hardness Marbles	Salsali Marble
<b>M14</b>	Medium and soft Marbles	CRYSTAL, Onyx, Travertine

Beads Diamter	Beads/m	Assembling	Cutting Speed	Life Time
10.5 mm.	29/ 30/ 33	Spring fitting/ Spring +plastic Injected	10- 16m <sup>2</sup> /h	100-160 m <sup>2</sup> /m
11 mm.				
11.5 mm				

**IN CASE OF YOUR ORDER UNASSEMBLED DIAMOND BEADS ARE AVAILABLE.**



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## Granite

Aria diamond Tools produces many types of sintered Diamond beads for cutting various types of Granite Stones. These beads are produced for cutting hardest and the most abrasive Granite Stones.

Diamond Wire Saws are produced for cutting Granite in Different Types according to the hardness, abrasiveness and other specifications of Stones.

Type of Beads	Beads Diameter	Beads/ m	Sample Stones
G10, G12,G14	11mm. &11.5mm	37	White Granite, Nehbandan Granite
		40	Black Granite, Birjand Green Granite
		42	Green Granite, Red Granite

Beads Diameter	Assembling	Beads / Meter	Cutting Speed	Life Time
11 mm.	Spring + Rubber injected / Spring + plastic Injected	37/40/42	4- 10m <sup>2</sup> /h	8-13 m <sup>2</sup> /m
11.5 mm.			3-9 m <sup>2</sup> /h	10-16 m <sup>2</sup> /m



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### B) Factory

These diamond Wires are used for Block Squaring and producing of Marble and Granite slabs in the factory by means of Single or multi wire machines.

Beads Diameter	Assembly	Beads/ m	Life Time	Cutting Speed
10.5 mm.	Rubber injected/ Spring + rubber injected/ Plastic Injected/ Spring + rubber Injected	37,40	4-10 m <sup>2</sup> /m	5-10 mm/min
9.2 mm.		37		
8.5 mm.		37		
8 mm.		37		





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### C) CONCRETE AND REINFORCED CONCRETE CUTTING:

Aria Diamond Tools produces sintered Diamond tools produces sintered diamond beads for cutting Concrete and Reinforced Concrete.

Wire swing is ideal for removing large sections of heavily Reinforced structures such as piers, towers and bridge sections with any depth or shape and in areas that is restricted and structures under water or inaccessible.

In this procedure you can make precise cuts and smooth finished areas, without vibration, noise and dust.

Beads Diameter	Assembly	Beads/ m	Cutting Speed	Life Time	Information
11.5 mm.	Spring + Rubber injected / Spring + plastic Injected	40	2- 4 m <sup>2</sup> / h	8-15 m <sup>2</sup> /m	Diamond Wire formulation depends on concrete specification



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## **D) ACCESSORIES**

### **WIRE ROPE**

Aria Diamond Tools Presents 2160 N/m<sup>2</sup> Steel wire rope with best performance for customers

### **STEEL SPRING**

These springs are special for reassembly of spring fitted diamond wire.

### **STEEL WASHER**

### **CRIMO BUSH**

### **WIRE JOINTS**

Copper joints, Wire joint Sleeves

### **CABLE CUTTING PIERS**

### **PRESS**

