

# Rodia®

## Diamond Saws for Tile & Stone

*Harder, thicker and larger tile and natural stone products are appearing on the market. High quality sawing machines are needed to cut these costly materials at the job-site because good workmanship and speed are demanded.*

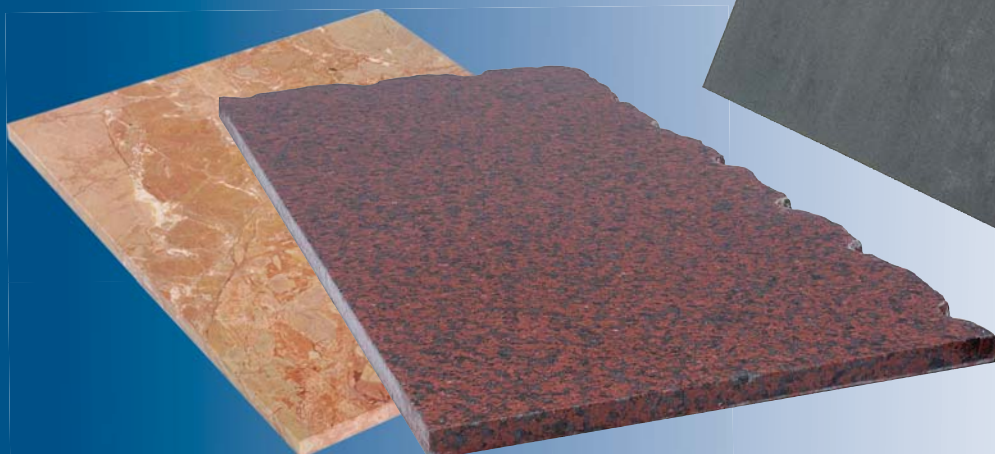
**RODIA®** Diamond Saws are designed for the tiling and stone facade contractor. These powerful machines are accurate and stable, allowing for very fast and precise cuts. **RODIA®** Diamond Saws are portable, quick to set up and extremely easy to use. Unskilled or inexperienced labour can begin to cut tiles with expert results after just a few minutes of instruction.

**RODIA® RS Diamond Saws** have a sawhead that glides smoothly along an overhead beam – the tile or slab to be cut is placed on the saw table and the saw is fed through the material. This “bridge-style” configuration prevents debris from falling into and clogging up the guide-ways.

**RODIA® TS Diamond Saws** are characterized by a stationary sawhead – the material to be cut is placed on a moving bed, which is pushed toward the saw.

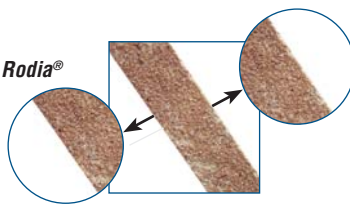
All **RODIA®** saws have built-in heavy-duty pumps that switch on simultaneously with the saw motor to supply water to cool to both sides of the saw blade. The continuous supply of water greatly extends the life of the blade while improving the quality of cut. The water also absorbs dust, which is important for the air quality within the work environment. *Remember, tile dust is hazardous to health.*

The quality and construction of **RODIA®** Diamond Saws meet the highest European and USA standards. The design is optimized for longevity and minimal maintenance. Rodia's sturdy all-stainless construction contributes to a stable, rigid and durable sawing platform. The greater stability and precision also result in less stresses and therefore, longer life of the saw blades.



**See the difference.....**  
**No chipping or splintering**  
**along cut edges**

Cut with Rodia®



Cut with hand-held  
 diamond cutter



Accu



**Rodia® 259RS**  
**Professional 250 mm (10")**  
**Diamond Tile & Stone Saw**

- Accurate and chip-free cutting
- For cutting Porcelain, Glazed Porcelain, Glass, Compressed or Natural Marble, Granite, etc.
- Stainless Steel construction
- High torque direct drive motor
- **2 Year Warranty**

**Specifications**

<b>Motor</b>	230 V-50 Hz-1.5 kW-2800 RPM
<b>Blade dia.</b>	250 mm (10")
<b>Arbor dia.</b>	25.4 mm (1")
<b>Cutting length</b>	900 mm (35")
<b>Cutting depth</b>	50 mm (2")
<b>Miter cutting</b>	up to 45°
<b>Dimensions, excl. legs</b>	1200 x 450 x 650 mm
<b>Weight</b>	52 kg (114 lb)

**Standard Equipment**

- Water Pump
- Detachable Legs
- 90° Squaring Arm with 45° capability
- 1pc RodiaTop® CR-Red-10N Ø250 mm Diamond Saw Blade



**Rodia® 3510RS**  
**Professional 350 mm (14")**  
**Diamond Stone Saw**

- Accurate, chip-free and very fast cutting
- For cutting Porcelain, Glazed Porcelain, Glass, Compressed or Natural Marble, Granite, etc.
- Stainless Steel construction
- High torque direct drive motor
- **2 Year Warranty**

**Specifications**

<b>Motor</b>	230 V-50 Hz-2.2 kW-2800 RPM
<b>Blade dia.</b>	350 mm (14")
<b>Arbor dia.</b>	25.4 mm (1")
<b>Cutting length</b>	1000 mm (39")
<b>Cutting depth</b>	105 mm (4")
<b>Miter cutting</b>	up to 45°
<b>Dimensions, excl. legs</b>	1650 x 650 x 1500 mm
<b>Weight</b>	118 kg (260 lb)

**Standard Equipment**

- Water Pump
- Detachable Legs
- 90° Squaring Arm with 45° capability
- 1pc RodiaTop® CR-Red-10N Ø350 mm Diamond Saw Blade



**Rodia® 3515RS**  
**Professional 350 mm (14")**  
**Diamond Stone Saw**

- Accurate, chip-free and very fast cutting
- For cutting Porcelain, Glazed Porcelain, Glass, Compressed or Natural Marble, Granite, etc.
- Stainless Steel construction
- High torque direct drive motor
- **2 Year Warranty**

**Specifications**

<b>Motor</b>	230 V-50 Hz-2.2 kW-2800 RPM
<b>Blade dia.</b>	350 mm (14")
<b>Arbor dia.</b>	25.4 mm (1")
<b>Cutting length</b>	1500 mm (59")
<b>Cutting depth</b>	105 mm (4")
<b>Miter cutting</b>	up to 45°
<b>Dimensions, excl. legs</b>	2150 x 650 x 1500 mm
<b>Weight</b>	136 kg (299 lb)

**Standard Equipment**

- Water Pump
- Detachable Legs
- 90° Squaring Arm with 45° capability
- 1pc RodiaTop® CR-Red-10N Ø350 mm Diamond Saw Blade



**Rodia® 406TS**  
**Professional 400 mm (16")**  
**Diamond Table Saw**

- For very fast cutting of Concrete, Brick paving blocks
- Stainless Steel construction
- High torque direct drive motor
- **2 Year Warranty**

**Specifications**

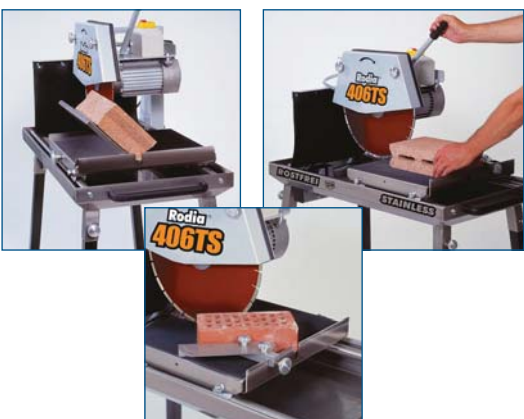
<b>Motor</b>	230 V-50 Hz-3 kW-2800 RPM
<b>Blade dia.</b>	400 mm (16")
<b>Arbor dia.</b>	25.4 mm (1")
<b>Cutting length</b>	
- Mat. thickness 125 mm	600 mm (24")
- Mat. thickness 40 mm	700 mm (27")
<b>Cutting depth</b>	125 mm (5")
<b>Miter cutting</b>	up to 45° with ramp
<b>Dimensions, excl. legs</b>	1240 x 600 x 1280 mm
<b>Weight</b>	76 kg (190 lb)

**Standard Equipment**

- Water Pump
- Detachable Legs
- 90° Squaring Arm with 45° capability
- 1pc RodiaTop® SEG-GRAY-10N Ø400 mm Diamond Saw Blade



**SALES SERVICE SUPPORT**  
TEL: 03-8941 3413



**RodiaTop** Premium Quality  
Sintered Diamond Blades for Wet Cutting



**RODIATOP® CR-RED-10N**  
Universal Blade for Ceramic, Porcelain, Glazed Porcelain, Granite, Marble, Slate, Limestone

- SINTEC Diamond Technology
- For fine cuts
- 10 mm rim height for long blade life

**RODIATOP® SEG-L-BLUE-10N**  
Specialist Blade for Granite and Marble – For slabs above 20 mm thick

- SINTEC Diamond Technology
- For fine cuts
- 10 mm rim height for long blade life



Available:  
Ø 200/250/300/350/400 mm

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Ø 200/250/300/350/400 mm

**RODIATOP® CR-ORANGE-10N-ED**  
For Porcelain and Glazed Porcelain

- SINTEC Diamond Technology
- Extra thin blade for very fine cuts
- 10 mm rim height for long blade life

**RODIATOP® CR-D-BLUE-10N-ED**  
For Granite tiles & slabs up to 12 mm thick

- SINTEC Diamond Technology
- Extra thin blade for very fine cuts
- 10 mm rim height for long blade life



Available:  
Ø 200/250 mm

Available:  
Ø 200/250 mm

**RODIATOP® SEG-GRAY-10N**  
For Concrete, Brick & etc. paving materials

- SINTEC Diamond Technology
- 10 mm rim height for long blade life

**RODIATOP® SEG-BLACK-7N**  
For Limestone, Sandstone & Asphalt



Available:  
Ø 350/400 mm

Available:  
Ø 350/400 mm

We are dedicated to being your dependable supplier for all your sawing and hole-making needs in stone and tile. Call us if you are looking for information on how to accomplish any task when working with granite, marble, or other stone materials. We can show you make your job easier and how to save time and money.



## Rodia® Tile Drills Sintered Diamond Core Drills



### Ceramic Tiles

The older types of ceramic tiles have a heat-hardened vitrified glass finish on the top surface while the inside is relatively soft. The ceramic tiles made today usually have a very hard surface and the inside is also very hard, making them more resistant to scratches and hardwearing.

When it comes to drilling into hard ceramic tiles the risk of cracking the tile is great.

### Porcelain Tiles

Porcelain tiles were originally introduced as an alternative to ceramic for use on floors, where usage and wear is more extreme. Porcelain tiles are made with different mixtures of materials, including feldspar and quartz, two of the main components of natural granite.

Today's porcelain tiles are harder and thicker. They can be as hard, or even harder, than granite. It is practically impossible to drill into porcelain tiles using ordinary drill bits.

### Rodia® Tile Drills

When drilling into hard Ceramic or Porcelain tiles, a diamond core drill bit is the only safe option.

**Rodia®** Tile Drills are core drill bits with a diamond encrusted crown. They can easily and speedily drill ceramics, porcelain, ceramic and porcelain tile, glass, marble, granite, limestone and slate. Water is used for cooling and lubrication during the drilling process.

Core drills have a hollow center and cut a circle in the material. They create a hole corresponding to the diameter of the drill and a smaller "core" of material, which is ejected from the center.

Concrete and masonry drill bits cannot penetrate glass, marble, granite, etc. because their drill tips cannot "bite" into the extremely hard materials. Heat build up and friction burn up the drill bits and cause thermal fractures in the material being drilled.

Drill bits with a carbide "spear point" drill can sometimes work with the "softer" hard materials, such as untempered glass, sandstone, granite, and some of the less hard ceramic and porcelain tiles. However, while they can sometimes produce a hole, these drills tend to chip the hard surface very badly, leaving a very rough hole.

### Types of Diamond Core Drills

There are two basic types of diamond core drills: 1) electroplate-bonded and 2) sintered.

**Electroplated.** A layer of diamonds is bonded to the steel drill body using the electroplating process. These drills operate at low drilling speeds and are fairly cheap to buy but the diamond layer wears off rather quickly.

**Sintered.** Diamonds are embedded in layers of bonding metal and subjected to extremely high temperatures and pressure to produce a sintered bond. During use, as the crown wears down, new diamonds come to the surface. Sintered diamond drills are used at high speeds and last much longer. They cost more but are considerably cheaper if compared on a cost-per-hole basis.

## Rodia® FB750W Angled Tile Drill

Fast, efficient way to drill chip-free and perfectly round holes in the hardest tile, marble and granite

- Holes for mounting bathroom accessories
- Holes for kitchen fixtures and countertops
- Holes for piping
- Holes for fastening signages onto tiled surfaces



### Specifications

Drill dia. range : Rodia Tile Drills, 6 – 68 mm  
Motor : 230V-50 Hz  
Power input : 750 watts  
Speed : 3000 – 1000 RPM  
Weight : 2.6 kg

### The RODIA® FB750W Package

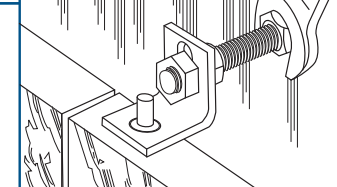
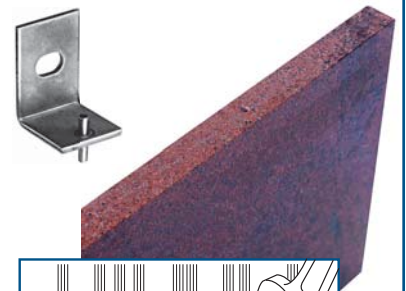


1. Rodia® FB750W Angle Tile Drill
2. Grab Handle
3. Water Swivel
4. Water Supply Tank
5. Socket Head Screwdriver 3 mm
6. Adjustable Drill Guide
7. Operating Instructions
8. Carrying Case



## Rodia® FB750W-F Angled Tile Drill

Fast, efficient way to drill perfectly round holes in the narrow edges of marble and granite facade slabs



### Specifications

Drill dia. range : Rodia® Tile Drills, 6 – 10 mm  
Slab thickness, max. : 50 mm  
Motor : 230V-50 Hz  
Power input : 750 watts  
Speed : 3000 – 1000 RPM  
Weight : 6 kg

### The RODIA® FB750W-F Package

1. Rodia® FB750W-F Angle Tile Drill
2. Grab Handle
3. Water Swivel
4. Precision Drill Guide
5. Socket Head Screwdriver 3 mm
6. Operating Instructions
7. Carrying Case

