

**Boreway Diamond Tool Flat Type Flat Diamond Segment Granite Sandstone Limestone Cutting**

# Normal Flat Shape

- 1. Long service life
- 2. Fast cutting speed
- 3. High cutting efficiency
- 4. Good wear resistance
- 5. Good sharpness of blade
- 6. High comprehensive cost performance



**Advantage:**

- 1. **Diamond tool flat type diamond segment** has good cutting result: smooth cutting, flat surface and even size
- 2. It has good sharpness and high efficiency at the process of cutting, meanwhile, it has a long lifespan
- 3. Stable cutting, narrow cutting gap, stone waste reduction 4M-Shape segment is easy for diamond opening

**Specification:**

The following are normal specifications **Diamond tool flat type diamond segment:**

Diameter		Thickness	Teeth	Segment Size			Hole	Max. RPM									
Inch	mm	mm	Pcs/set	L	W	H	mm	RPM	80	2000	8.0(9.0)	128	24	11.0	10/13	100/120	500

The above specifications is only for reference, other specifications may be available as per customer's demand.

**Factory=Quality Control=Competitive Price=Own technology=OEM**

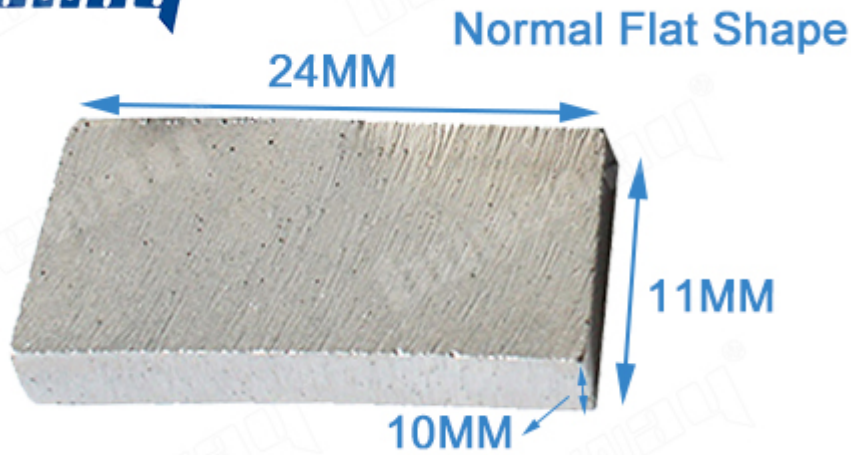
Diameter		Thickness	Teeth	Segment Size			Hole	Max. RPM	Cutting Stone
Inch	mm	mm	pcs/set	L	W	H	mm	RPM	#
10"	250	18(2.2)	18	40	3.2	8/10	50/60	3850	Marble
12"	300	1.8(2.2)	22	40	3.2	10/12	50/60	3150	Marble
14"	350	2.2(2.4)	25	40	3.2	10/12	50/60	2750	Marble
16"	400	2.6(2.8)	29	40	3.6	10/12	50/60	2400	Marble
18"	450	2.8(3.0)	32	40	4.0(4.2)	10/12	50/60	2150	Marble
20"	500	2.8(3.0)	36	40	4.0(4.2)	10/12	50/60	1900	Marble
24"	600	36(3.2)	42	40	4.6(4.8)	10/12	50/60	1600	Marble
32"	800	4.2(4.5)	57	40	5.5(6.0)	10/12	50/60	1200	Marble
36"	900	5.0(5.5)	64	40	7.5(8.0)	10/12	60/80	1050	Marble
36"	900	5.0(5.5)	64	24	7.5(8.0)	10/13	60/80	1050	Marble
40"	1000	5.0(5.5)	70	24	7.5(8.0)	10/13	80/100	950	Marble
48"	1200	5.5(6.0)	80	24	7.5(8.0)	10/13	80/100	950	Marble
56"	1400	6.0(6.5)	92	24	8.5(9.2)	10/13	80/100	700	Marble
64"	1600	6.5(7.2)	108	24	9.2(9.5)	10/13	80/100	600	Marble
72"	1800	7.2(8.0)	120	24	10.0	10/13	80/100	550	Marble
80"	2000	8.0(9.0)	128	24	11.0	10/13	100/120	500	Marble
86"	2200	8.0(9.0)	132	24	11.0	10/13	100/120	450	Marble
100"	2500	9.0(10.0)	140	24	12.5	13/15	100/120	400	Marble
120"	3000	9.0(10.0)	160	24	12.5	13/15	100/120	350	Marble
140"	3500	9.0(10.0)	180	24	13.0	13/15	100/120	300	Marble

PS:A certain amount of cooling water should be added when cutting the cutter head, and the spray water flow should be large, so that it has a better cooling effect!

In addition, the speed of the combined saw blade is required to be 280-320 rpm, and the trolley can not be transported too fast!

### Product Details:

**Diamond tool flat type diamond segment**



**Example :**

Stone is soft and abrasive therefore we would use a hard bonded blade. Reinforced concrete with river pebble aggregate is hard therefore we would use a soft bonded blade.

**Hard Bond**

Means that the compilation of metals when sintered together forms a segment of approximately 105 to 120 HRB (hardness) and is very resistant to the soft abrasive materials being sawn, thus releasing diamond at the appropriate rate.

Hard bonds typically consist of the following metal powders - cobalt, iron, tungsten carbide and are grey to dark grey in colour.

**Soft Bond**

Means that the compilation of metals when sintered together forms a segment of approximately 90 to 105 HRB (hardness) and allows the segment to wear quicker thus retaining diamond on the cutting surface.

Soft bonds typically consist of the following metal powders - copper, bronze and cobalt, and are generally bronze to light silver in colour.

**Our factory** use original high grade diamond



**Other factory** mix second diamond selected from waste segment

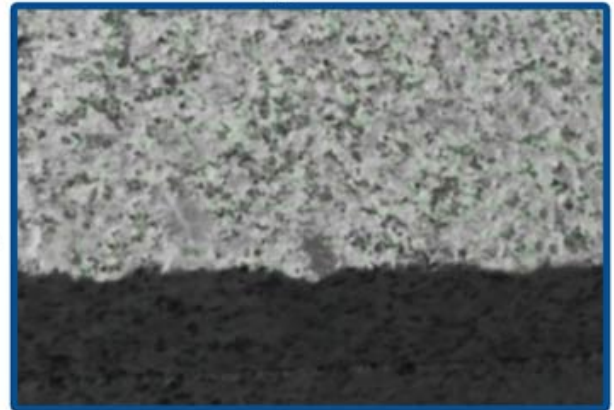


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**Our blade** cutting effect



**Other supplier** blade cutting effect



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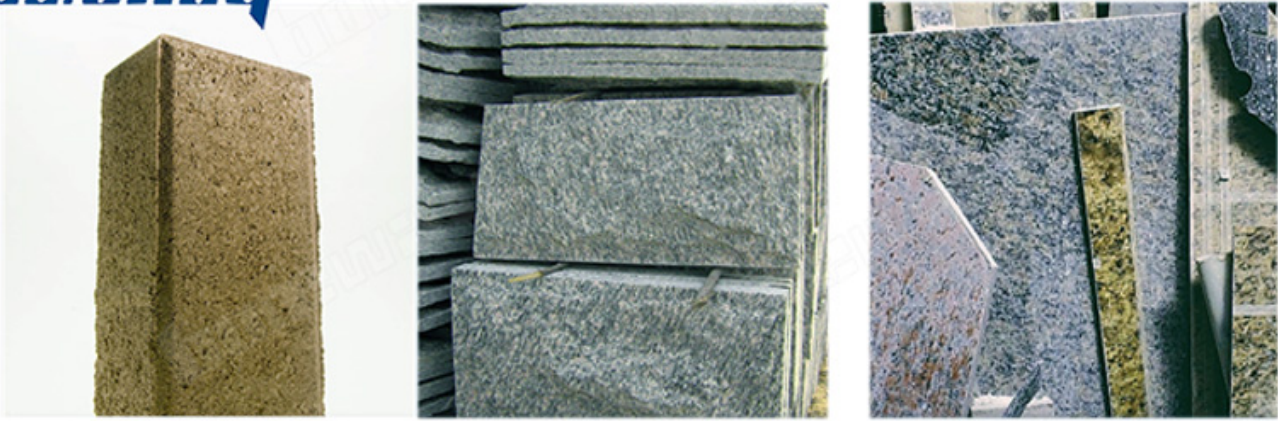
### **Applications:**

**Diamond tool flat type diamond segment** using in block cutting for 900-3500mm circular saw blades for block cutting

Diamond segment cutting granite, sandstone, various hard stone.

Diamond tool flat type diamond segment only wet use

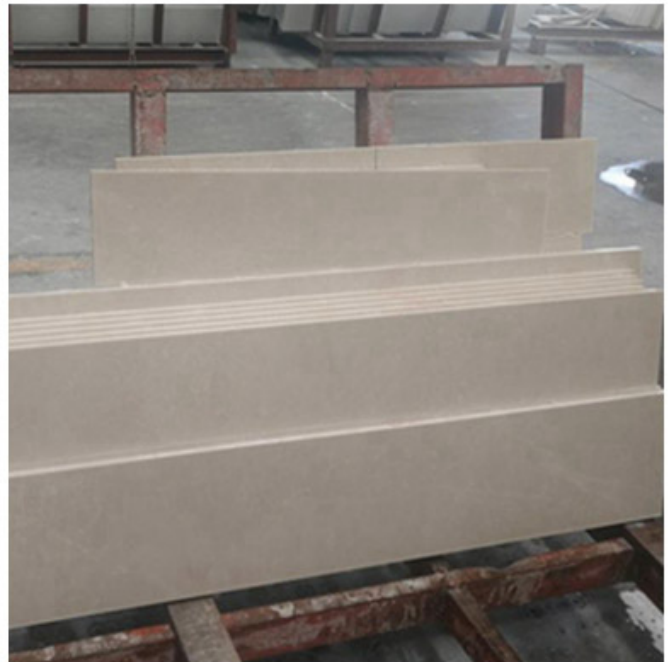
**boreway**®



### Applications machine:

**Diamond tool flat type diamond segment** used for single or multi circular saw blade from 900mm to 3500mm, cutting of granite, sandstone, various hard stone with quartz.

### Cutting Effect:



1. If the material is hard, the bond of the diamond segments should be softer.  
Because diamonds will become blunt when cutting hard material. Softer bond can be worn down with the blunt diamonds faster, then make new diamonds beneath be more easily exposed to participate in cutting
2. If the material is relatively softer, the bond should be harder.  
The diamonds can last longer in this care. The harder bond wears slower, so that it can hold the diamonds also longer. This can make better use of the diamonds and prolong the diamond tool's service life.

### Applications machine:

Welding method: **Diamond tool flat type diamond segment** silver welding by high

frequency welding machine

High frequency silver welded machine is recommended instead of welding by fire.

Don't weld diamond segment for a long time, just a few minutes, otherwise the diamond inside might be damaged because of the high temperature, which will affect the cutting performance of the granite segment greatly.

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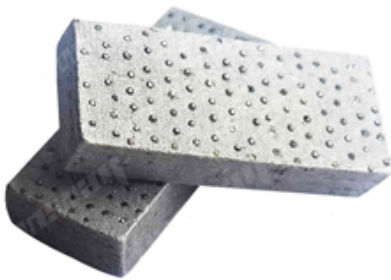
Three Phase 380V 30kW High Frequency Induction Welding Machine



Three Phase 380V, 20kW, 50Hz, High Frequency Induction Welding Machine



## Related Products:



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[www.boreway.net](http://www.boreway.net)

[Arix Diamond Segment](#)



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## About us:







第 9135152 号



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**核定使用商品(第7类)**

陶瓷工业用机器设备(包括建筑用陶瓷机械); 雕刻机; 石材切割机; 磨石(机器部件); 高压清洗机; 电焊枪(机器); 电动清洁机械和设备; 压力机; 切割工具(包括机械刀片); 抛光机器和设备(电动的)(截止)


**注册人** 福建省南安博威机械有限公司

**注册地址** 福建省南安市水头镇鸿星街

**注册有效期限** 自公元 2012年02月28日 至 2022年02月27日

**局长签发** 许瑞表





## CREDIT CHECKED

by ALIBABA FINANCIAL

**This supplier has been Credit Checked by Alibaba Financial:**

*Lei Zhang from Fujian Nanan Boreway Machinery Co., Limited*

**The credit check validity period: 2015-10-19 to 2016-10-18**

This company has passed a financial assessment (including a credit check) conducted by Alibaba Financial. The scope of Alibaba's financial assessment of suppliers includes, but is not limited to: People's Bank credit archives, business data, Alibaba network behavioral data, corporate and personal balance sheets, court enforcement records.

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Alibaba Financial aims to serve online businesses by providing comprehensive and professional financial services. By utilizing field investigation, third-party data and online behavior data, we are able to provide credit investigations and loans to enterprises on our platforms, such as alibaba.com, taobao.com and tmall.com. We also offer insurance and E-commerce platform financial services. Alibaba Financial devotes itself to enabling online businesses by making credit available to drive wealth creation. Alibaba Financial is the first choice for online financial services.





### Packing & Delivery:

1. Tools packing in carton cases;
2. When tools are in large quantities, they are packing in wooden cases.

## -DELIVERY-

Less than 45kg, generally delivery by express (Door to Door).



By Air / Sea for batch goods, Airport / Port receiving.

BY AIR



BY SEA



### Our service:

1. Low order quantity: It can meet the test order you need.
2. Fast delivery: We get great discounts from freight forwarders.

3. OEM Acceptable: We can produce according to your samples or drawings.
4. Good quality: We have a strict quality control system. Has a good reputation in the market.
5. Good service: We regard our customers as God with a high degree of professionalism and enthusiasm.

## FAQ:

### 1. If we want to order your product, how do we know your quality?

You can test with a small order, and then you will know the quality. Nowadays, many people in the world use Chinese products because of their high quality and high cost performance. We are a professional diamond tool manufacturer with more than 8 years of manufacturing experience.

### 2. Can you provide samples for free?

We do not provide free samples. Based on years of experience, we believe that customers will want them because of their reliable quality. By purchasing samples, we will cherish and appreciate them and make them get more. We are ready to offer our potential customers a special discount on samples. It's very important that you give us feedback, and we will appreciate it.

### 3. Does your company accept customization?

Of course, we accept customization. Including different colors, cutting objects, etc. We can also tag your own label and company brand. If you want us to make any new products for you, just send your products to us. Whether it's drawings or samples, we have the ability to produce the same products. We will not sell these products to others, only customers can get permission.

## Please note:

Please use high frequency Silver Welded machine instead of Fire to make the brazing, the welding time is only a few seconds, otherwise the diamond inside the segments will probably be damaged by the high temperature, then the cutting performance will be Reduced!

## Contact us:

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