

**Anyang Friend Tools Co., Ltd.**  
**Hangzhou DZHI Tools Co., Ltd.**  
[www.dm-tools.cn](http://www.dm-tools.cn)



## » Company Profile

Anyang Friend Tools Co., Ltd, established in 2000, concentrates on diamond tools manufacturing industry. We have wide range of products, including hot-pressed saw blade, laser welded saw blade, diamond segments, cup wheel, core drill, and vacuum brazed diamond tools etc., We have a production capacity of 5 million pieces of hot sintered diamond tools, 200 thousand pieces of vacuum brazed diamond tools.

German Dr. Fritsch full-automatic laser welding machinery, and advanced pressing and sintering machinery, have been adopted in manufacturing lines. All our products are delivered after strict inspections, and authenticated by SGS(Socié Té Gé Né Rale De Surveillance SA). Our products have been exported to Europe, the middle East, Asia and many other countries We have earned good reputation from our clients.

We seek to establish long term business relationship with every client for mutual benefits. If you have any requirements, please feel free to contact us. We response all your requests efficiently to save your time and provide you utmost convenience.

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# TILE CUTTING BLADE



## ULTRA-THIN TURBO SAW BLADE

Clean and fast cutting for sintered stone/ceramic/porcelain.  
Ultrathin turbo is the most suitable type for dry cutting.

Art.No.	Dia.	Thickness	Height	Arbor
HPUTP106	4"106mm	1.1	10mm	20mm
HPUTP115	4.5"115mm	1.2	10mm	22.23mm
HPUTP125	5"125mm	1.2	10mm	22.23mm
HPUTP150	6"150mm	1.6	10mm	22.23/25.4mm
HPUTP180	7"180mm	1.6	10mm	22.23/25.4mm
HPUTP230	9"230mm	1.8	10mm	22.23/25.4mm

We have engaged in developing fastest and clean cutting porcelain blades for more than 15 years. Ultra-thin turbo blade is our newest achievement.

- Deep turbo will make a huge improvement on the dry cutting performance.
- Ultra precision formula will ensure clean, no chipping edge for ceramic, porcelain and UCS- porcelain(dekton).

TILE CUTTING



## NET TURBO CUTTING BLADE

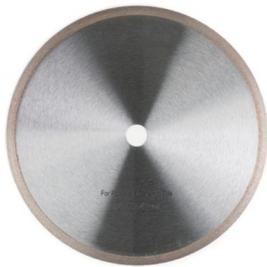
Clean and fast cutting for sintered stone/ceramic/porcelain.  
X Turbo offers the best structural strength.



Art.No.	Dia.	Thickness	Height	Arbor
HPXTP106	4"106mm	1.2	10mm	20mm
HPXTP115	4.5"115mm	1.2	10mm	22.23mm
HPXTP125	5"125mm	1.4	10mm	22.23mm
HPXTP150	6"150mm	1.4	10mm	22.23/25.4mm
HPXTP180	7"180mm	1.6	10mm	22.23/25.4mm
HPXTP230	9"230mm	1.8	10mm	22.23/25.4mm

## CONTINUOUS CUTTING BLADE

Reduced segment height lowered down the cost, and provides better edge performance.



Art.No.	Dia.	Thickness	Height	Arbor
HPSTP106	4"106mm	1.2	8mm	20mm
HPSTP115	4.5"115mm	1.2	8mm	22.23mm
HPSTP125	5"125mm	1.4	8mm	22.23mm
HPSTP180	7"180	1.6	8mm	22.23/25.4mm
HPSTP200	8"200	1.8	8mm	22.23/25.4mm
HPSTP230	9"230	1.8	8mm	22.23/25.4mm
HPSTP250	10"250	1.8	8mm	22.23/25.4mm
HPSTP300	12"300	2	8mm	22.23/25.4mm

## LASER SLOTTING BLADE

Ultra-thin rim provides best edge performance.  
Laser slot can help dust removal and heat dissipation



Art.No.	Dia.	Thickness	Height	Arbor
HPCLP106	4"106mm	1.2	8mm	20mm
HPCLP115	4.5"115mm	1.2	8mm	22.23mm
HPCLP125	5"125mm	1.4	8mm	22.23mm
HPCLP180	7"180	1.4	10mm	22.23/25.4mm
HPCLP200	8"200	1.6	10mm	22.23/25.4mm
HPCLP230	9"230	1.6	10mm	22.23/25.4mm
HPCLP250	10"250	1.8	10mm	22.23/25.4mm
HPCLP300	12"300	1.8	10mm	22.23/25.4mm

# VARIOUS SEGMENT TYPE FOR CHOOSING



TILE CUTTING

# DIAMOND GRINDING CUTTER

Grinding and cutting multi-applications for sintered stone/ceramic/porcelain.

- 1、 20-25mm wide segment width enables cutting and grinding with one blade.
- 2、 Specially designed formula ensures high performance on all kinds of tiles.
- 3、 Every competitive price and very high reorder rate.

## X-Turbo

Art.No	Dia.	Thickness	Height	Arbor
HPXGP115	4.5"(115mm)	1.8mm	20*10mm two sides	22.23mm,M14
HPXGP120	5"(125mm)	1.8mm	20*10mm two sides	22.23mm,M14



TILE CUTTING

## Hexagon-Turbo

Art.No	Dia.	Thickness	Height	Arbor
HPHGP115	4.5"(115mm)	1.8mm	25mm	22.23mm,M14
HPHGP125	5"(125mm)	1.8mm	25mm	22.23mm,M14



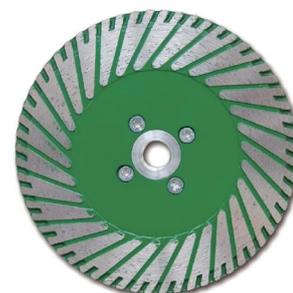
## Fish-Scale-Turbo

Art.No	Dia.	Thickness	Height	Arbor
HPFGP115	4.5"(115mm)	1.8mm	25mm	22.23mm,M14
HPFGP125	5"(125mm)	1.8mm	25mm	22.23mm,M14



## Cutting-Grinding Disc For Granite

Art.No	Dia.	Thickness	Height	Adaptor
HPCGG115	4.5"115mm	2.8mm	8*24mm two sides	5/8"-11, M14
HPCGG125	5"125mm	2.8mm	8*24mm two sides	5/8"-11, M14
HPCGG150	6"150mm	2.8mm	8*24mm two sides	5/8"-11, M14
HPCGG180	7"180mm	3mm	8*24mm two sides	5/8"-11, M14
HPCGG230	9"230mm	3mm	8*24mm two sides	5/8"-11, M14



# STONE CUTTING DIAMOND TOOLS



# DIAMOND SAW BLADE FOR STONE/ GRANITE

Fast dry-cutting speed during the whole lifespan.  
30% longer lifespan compared to a famous international brand.  
Better price.

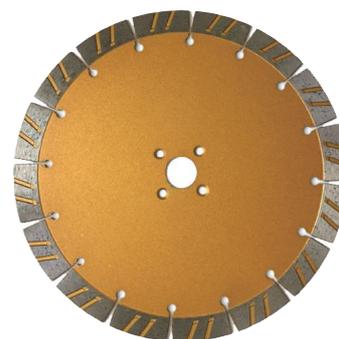
## Segmented Diamond Saw Blade for Stone/Granite

Art.No.	Dia.	Thickness	Height	Arbor
HPFSG105	4"105mm	1.9mm	10mm	20mm
HPFSG115	4.5"115mm	2.0mm	10mm	20/22.23mm
HPFSG125	5"125mm	2mm	10mm	22.23mm
HPFSG150	6"150mm	2mm	12mm	22.23/25.4mm
HPFSG180	7"180mm	2.5mm	12mm	22.23/25.4mm
HPFSG200	8"200mm	2.5mm	12mm	22.23/25.4mm
HPFSG230	9"230mm	2.5mm	12mm	22.23/25.4mm
HPFSG250	10"250mm	2.5mm	10mm	22.23/25.4mm
HPFSG300	12"300mm	3mm	11mm	22.23/25.4mm
HPFSG350	14"350mm	3.2mm	13mm	22.23/25.4mm



## Segmented Turbo Diamond Saw Blade for Stone/Granite

Art.No.	Dia.	Thickness	Height	Arbor
HPTSG105	4"105mm	2.0mm	10mm	20mm
HPTSG115	4.5"115mm	2mm	15mm	22.23mm
HPTSG125	5"125mm	2mm	15mm	22.23mm
HPTSG150	6"150mm	2mm	15mm	22.23/25.4mm
HPTSG180	7"180mm	2.5mm	15mm	22.23/25.4mm
HPTSG200	8"200mm	2.5mm	15mm	22.23/25.4mm
HPTSG230	9"230mm	2.5mm	15mm	22.23/25.4mm
HPTSG250	10"250mm	2.5mm	15mm	22.23/25.4mm
HPTSG300	12"300mm	3mm	14mm	22.23/25.4mm
HPTSG350	14"350mm	3.2mm	13mm	22.23/25.4mm



### Turbo Cutting Disc For Stone/Granite



Art.No.	Dia.	Thickness	Height	Arbor
HPTCG105	4"105mm	1.6mm	8mm	20mm
HPTCG115	4.5"115mm	2mm	8mm	22.23mm
HPTCG125	5"125mm	2mm	8mm	22.23mm
HPTCG152	6"152mm	2mm	11mm	25.4mm
HPTCG180	7"180mm	2.5mm	10mm	25.4mm
HPTCG200	8"200mm	2.5mm	11mm	25.4mm
HPTCG230	9"230mm	2.5mm	10mm	25.4mm
HPTCG250	10"250mm	2.5mm	10mm	25.4mm
HPTCG300	12"300mm	3mm	12mm	25.4mm

### Turbo Cutting Disc For Stone/Granite/Concrete With Protective Teeth



Art.No.	Dia.	Thickness	Height	Arbor
HPTPG115	4.5"115mm	2mm	8mm	22.23mm
HPTPG125	5"125mm	2mm	8mm	22.23mm
HPTPG152	6"152mm	2mm	8mm	25.4mm
HPTPG180	7"180mm	2.5mm	8mm	25.4mm
HPTPG200	8"200mm	2.5mm	8mm	25.4mm
HPTPG230	9"230mm	2.5mm	8mm	25.4mm
HPTPG250	10"250mm	2.5mm	8mm	25.4mm

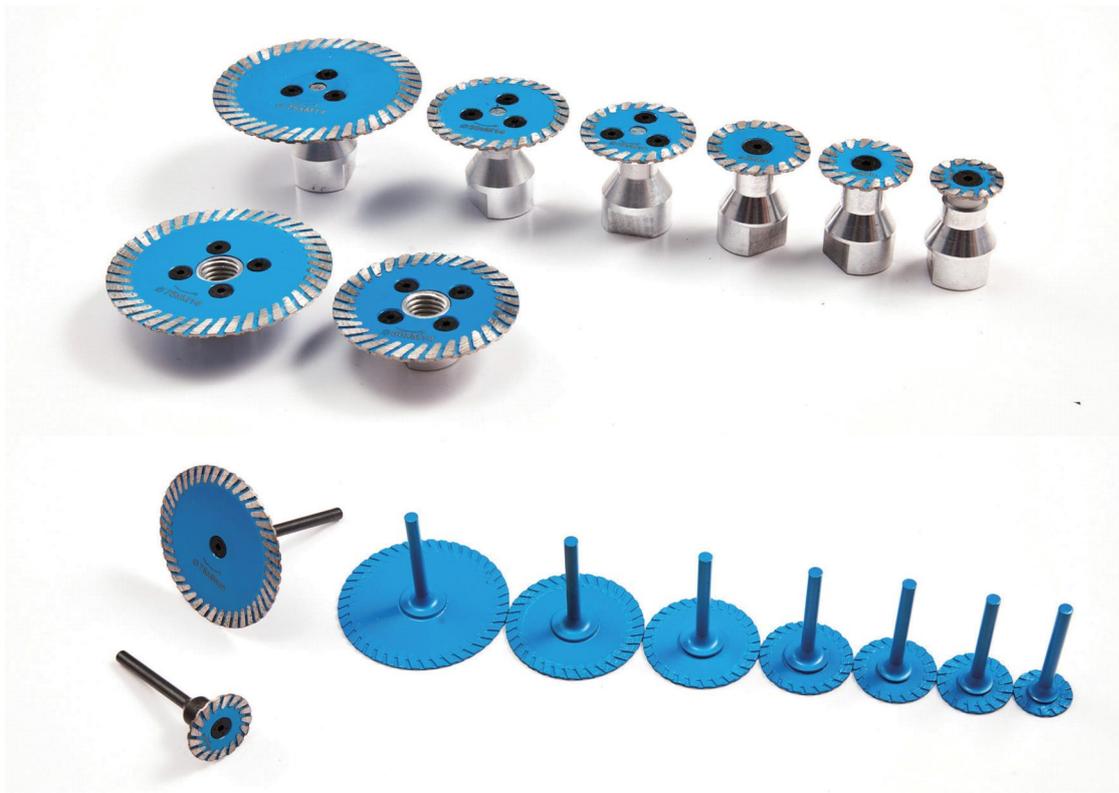


# CARVING BLADES

- 1、 Carving and grinding granite and marble art-crafts.
- 2、 All sizes/shapes available
- 3、 Sintered/vacuum brazed available

Art.No	Diameter	Segment Height	Thickness	Shank Diameter
HPCBG25	Φ25	5mm	2mm	6/10mm/M14
HPCBG30	Φ30	5mm	2mm	6/10mm/M14
HPCBG40	Φ40	5mm	2mm	6/10mm/M14
HPCBG50	Φ50	5mm	2mm	6/10mm/M14
HPCBG60	Φ60	5mm	2mm	6/10mm/M14
HPCBG75	Φ75	5mm	2mm	6/10mm/M14
HPCBG80	Φ80	5mm	2mm	6/10mm/M14

STONE CUTTING



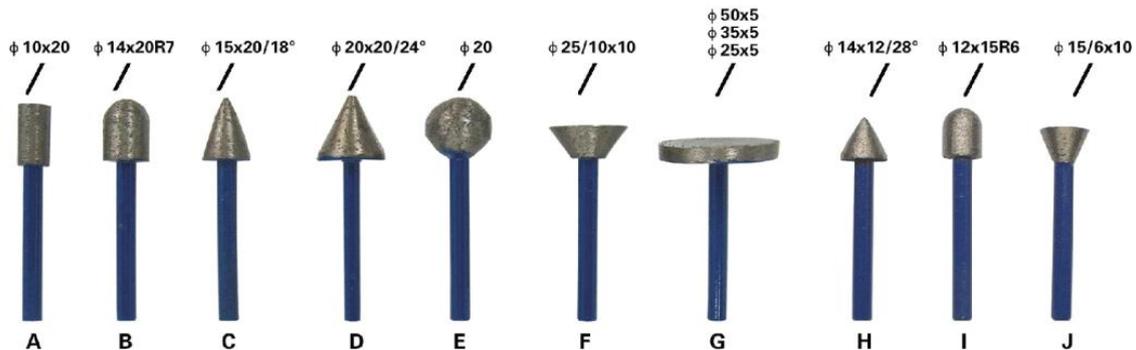
# CARVING BITS

- 1, Carving and grinding granite and marble art-crafts.
- 2, All sizes/shapes available.
- 3, Sintered/vacuum brazed available.

## Sintered Carving Bits

Carving and grinding granite and marble art-crafts.

Art.No	Diameter	Length	Height	Shank Diameter	Art.No	Diameter	Length	Height	Shank Diameter
HPCTGA0	6	60mm	20mm	6/10mm	HPCTGD1	20	60mm	20/24°	6/10mm
HPCTGA1	10	60mm	20mm	6/10mm	HPCTGE1	20	60mm	round	6/10mm
HPCTGA2	12	60mm	20mm	6/10mm	HPCTGF1	25	60mm	10×10	6/10mm
HPCTGA3	16	60mm	20mm	6/10mm	HPCTGG	25/35/50	60mm	5mm	6/10mm
HPCTGA4	20	60mm	20mm	6/10mm	HPCTGH1	14	60mm	10/28°	6/10mm
HPCTGB1	14	60mm	20R7	6/10mm	HPCTGI1	12	60mm	15R6	6/10mm
HPCTGC1	15	60mm	20/18°	6/10mm	HPCTGJ1	15	60mm	6×10	6/10mm



## Vacuum Brazed Carving Bits

Carving and grinding granite and marble art-crafts.

Art.No	Type#	Length	Diameter	Shank Diameter	Art.No	Type#	Length	Diameter	Shank Diameter
VBCTG01	1	60mm	10mm	5.9mm	VBCTG11	11	70mm	10mm	5.9mm
VBCTG02	2	61mm	10mm	5.9mm	VBCTG12	12	71mm	10mm	5.9mm
VBCTG03	3	62mm	10mm	5.9mm	VBCTG13	13	72mm	10mm	5.9mm
VBCTG04	4	63mm	10mm	5.9mm	VBCTG14	14	73mm	10mm	5.9mm
VBCTG05	5	64mm	10mm	5.9mm	VBCTG15	15	74mm	10mm	5.9mm
VBCTG06	6	65mm	10mm	5.9mm	VBCTG16	16	75mm	10mm	5.9mm
VBCTG07	7	66mm	10mm	5.9mm	VBCTG17	17	76mm	10mm	5.9mm
VBCTG08	8	67mm	10mm	5.9mm	VBCTG18	18	77mm	10mm	5.9mm
VBCTG09	9	68mm	10mm	5.9mm	VBCTG19	19	78mm	10mm <td 5.9mm	
VBCTG10	10	69mm	10mm	5.9mm	VBCTG20	20	60mm	10mm	5.9mm



# CONTOUR BLADES

## T-Shaped Segmented Contour Blades

T-shaped segments on both sides improve curved cutting and minor grinding and help prevent binding.

Art.No	Diameter	Thickness	Diamond Height	Arbor
HPCNSG105	4"(105mm)	0.157"(4mm)	8mm	20mm-5/8"
HPCNSG115	4-1/2"(115mm)	0.157"(4mm)	8mm	7/8"-20mm-5/8"
HPCNSG125	5"(125mm)	0.157"(4mm)	8mm	7/8"-20mm-5/8"
HPCNSG150	6"(150mm)	0.157"(4mm)	8mm	7/8"-20mm-5/8"
HPCNSG180	7"(180mm)	0.157"(4mm)	8mm	7/8"-20mm-5/8"



## Turbo Contour Blades

Art.No	Diameter	Thickness	Diamond Height	Arbor
HPCNTG105	4"(105mm)	.110"(2.8mm)	8mm	20mm-5/8"
HPCNTG115	4-1/2"(115mm)	.110"(2.8mm)	8mm	7/8"-20mm-5/8"
HPCNTG125	5"(125mm)	.110"(2.8mm)	8mm	7/8"-20mm-5/8"
HPCNTG150	6"(150mm)	.120"(3mm)	8mm	7/8"-20mm-5/8"
HPCNTG180	7"(180mm)	.120"(3mm)	8mm	7/8"-20mm-5/8"

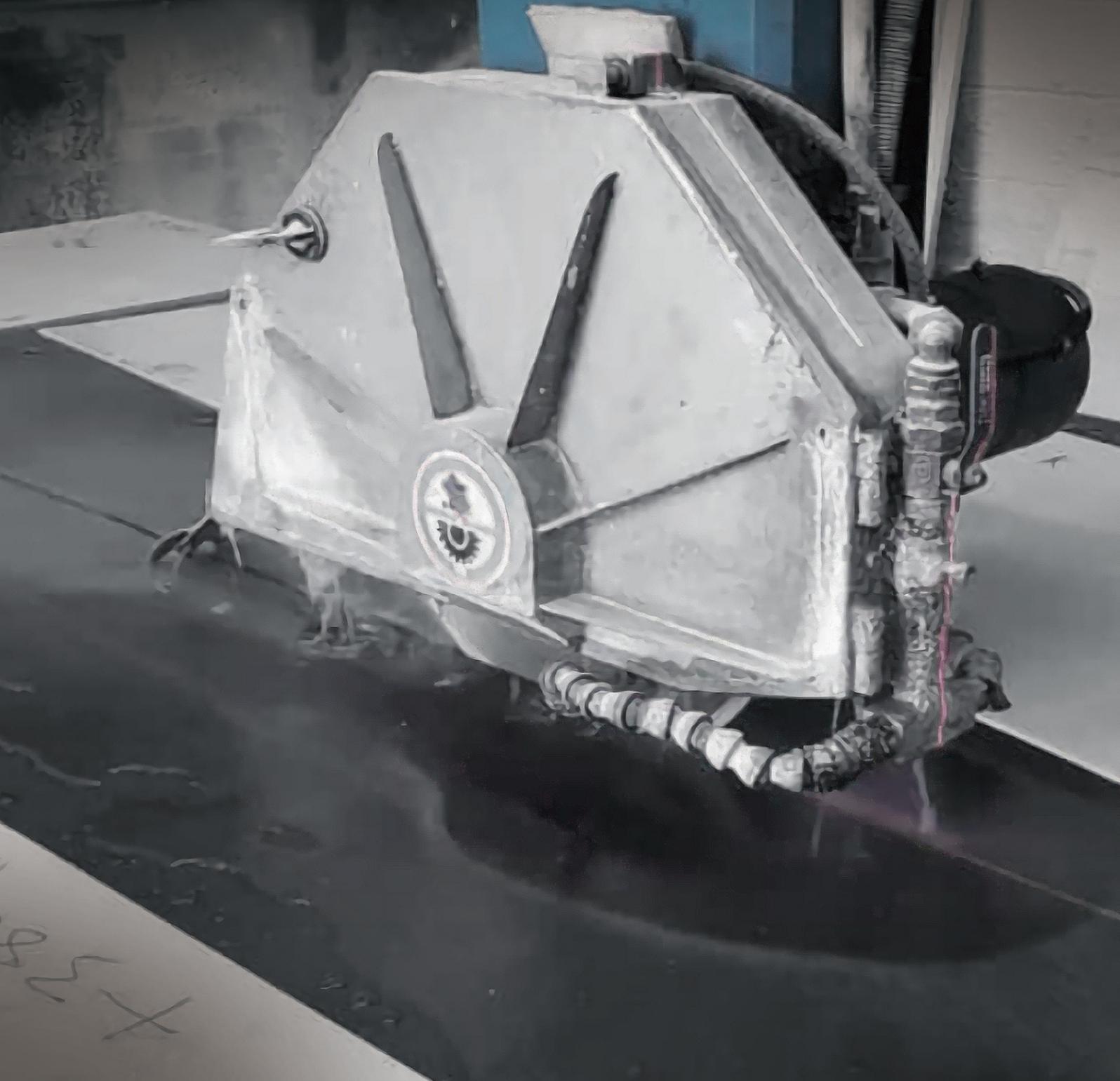


## Turbo Contour Blades With Protective Teeth

Art.No	Diameter	Thickness	Diamond Height	Arbor
HPCNPG105	4"(105mm)	.110"(2.8mm)	8mm	20mm-5/8"
HPCNPG115	4-1/2"(115mm)	.110"(2.8mm)	8mm	7/8"-20mm-5/8"
HPCNPG125	5"(125mm)	.110"(2.8mm)	8mm	7/8"-20mm-5/8"
HPCNPG150	6"(150mm)	.120"(3mm)	8mm	7/8"-20mm-5/8"
HPCNPG180	7"(180mm)	.120"(3mm)	8mm	7/8"-20mm-5/8"



# BRIDGE SAW BLADES



## Bridge Saw Blades for Sintered Stone Mitering

- 1、 Miter cuts on sintered stone pose particular challenges and require a specialized blade to get the desired results. The blade provides sharp, smooth and chip-free miter cuts.
- 2、 Reinforced core keeps the blade from deflecting while cutting
- 3、 Engineered bond for chip free cuts to leave an invisible seam.

Art.No	Dia.	Thickness	Height	Arbor
HWMP12	12"(300mm)	2.2mm	9mm	1"-60mm
HWMP14	14"(350mm)	2.2mm	10mm	1"-60mm
HWMP16	16"(400mm)	2.9mm	10mm	1"-60mm



## Bridge Saw Blades for Porcelian

- 1、 Sandwich Segment increases the cutting precision.
- 2、 Engineered bond for chip free cuts to leave an invisible seam

Art.No	Dia.	Thickness	Height	Arbor
HWSP12	12"(300mm)	2.2mm	9mm	1"-60mm
HWSP14	14"(350mm)	2.2mm	10mm	1"-60mm
HWSP16	16"(400mm)	2.9mm	10mm	1"-60mm



## Diamond Saw Blades for Granite

- 1、 Long lifespan and fast cutting.
- 2、 Competitive price.

Art.No	Dia.	Thickness	Height	Arbor
HWSG1410	14"(350mm)	.125"(3.2mm)	10mm	1"-60mm
HWSG1610	16"(400mm)	.125"(3.6mm)	10mm	1"-60mm
HWSG1415	14"(350mm)	.125"(3.2mm)	15mm	1"-60mm
HWSG1615	16"(400mm)	.125"(3.6mm)	15mm	1"-60mm
HWSG1420	14"(350mm)	.125"(3.2mm)	20mm	1"-60mm
HWSG1620	16"(400mm)	.125"(3.6mm)	20mm	1"-60mm
HWSG1430	14"(350mm)	.125"(3.2mm)	30mm	1"-60mm
HWSG1630	16"(400mm)	.125"(3.6mm)	30mm	1"-60mm



## Diamond Saw Blades for Quartz Stone

1. Clean and fast cutting with minimum chipping
2. The ultra-thin rim combined with tightly butted segments renders a remarkably clean finish in both straight and miter cuts.

Art.No	Dia.	Thickness	Height	Arbor
HWSQ12	12"(300mm)	2.4mm	10mm	1"-60mm
HWSQ14	14"(350mm)	3.0mm	12mm	1"-60mm
HWSQ16	16"(400mm)	3.4mm	10mm	1"-60mm
HWSQ20	20"(500mm)	3.6mm	10mm	1"-60mm



## Bridge Saw Blades for Marble

1. Clean and fast cutting with minimum chipping
2. The ultra-thin rim combined with tightly butted segments renders a remarkably clean finish in both straight and miter cuts.

Art.No	Dia.	Thickness	Height	Arbor
HWSM12	12"(300mm)	2.4mm	10mm	1"-60mm
HWSM14	14"(350mm)	3.0mm	12mm	1"-60mm
HWSM16	16"(400mm)	3.4mm	10mm	1"-60mm
HWSM20	20"(500mm)	3.6mm	10mm	1"-60mm



BRIDGE SAW BLADES

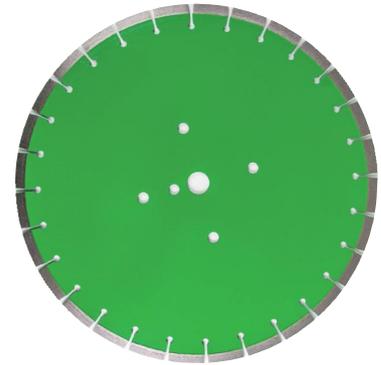


## Bridge Saw Blades-Silent Basement

Silent basement can significantly reduce the cutting noise

Art.No	Dia.	Usage	Thickness	Height	Arbor
HWSIM12	12"(300mm)	Marble	2.6mm	10mm	1"-60mm
HWSIM14	14"(350mm)	Marble	3mm	10mm	1"-60mm
HWSIM16	16"(400mm)	Marble	3.4mm	10mm	1"-60mm
HWSIM20	20"(500mm)	Marble	3.8mm	10mm	1"-60mm
HWSIQ12	12"(300mm)	Quartz Stone	2.6mm	10mm	1"-60mm
HWSIQ14	14"(350mm)	Quartz Stone	3.0mm	12mm	1"-60mm
HWSIQ16	16"(400mm)	Quartz Stone	3.4mm	10mm	1"-60mm
HWSIQ20	20"(500mm)	Quartz Stone	3.8mm	10mm	1"-60mm
HWSIP12	12"(300mm)	Porcelain	2.2mm	9mm	1"-60mm
HWSIP14	14"(350mm)	Porcelain	3.1mm	10mm	1"-60mm
HWSIP16	16"(400mm)	Porcelain	3.6mm	10mm	1"-60mm
HWSIG14	14"(350mm)	Granite	.125"(3.2mm)	15mm	1"-60mm
HWSIG16	16"(400mm)	Granite	.125"(3.6mm)	15mm	1"-60mm
HWSIG14	14"(350mm)	Granite	.125"(3.2mm)	20mm	1"-60mm
HWSIG16	16"(400mm)	Granite	.125"(3.6mm)	20mm	1"-60mm
HWSIG14	14"(350mm)	Granite	.125"(3.2mm)	30mm	1"-60mm
HWSIG16	16"(400mm)	Granite	.125"(3.6mm)	30mm	1"-60mm





### Bridge Saw Blades-PDA Segment

Silent basement can significantly reduce the cutting noise

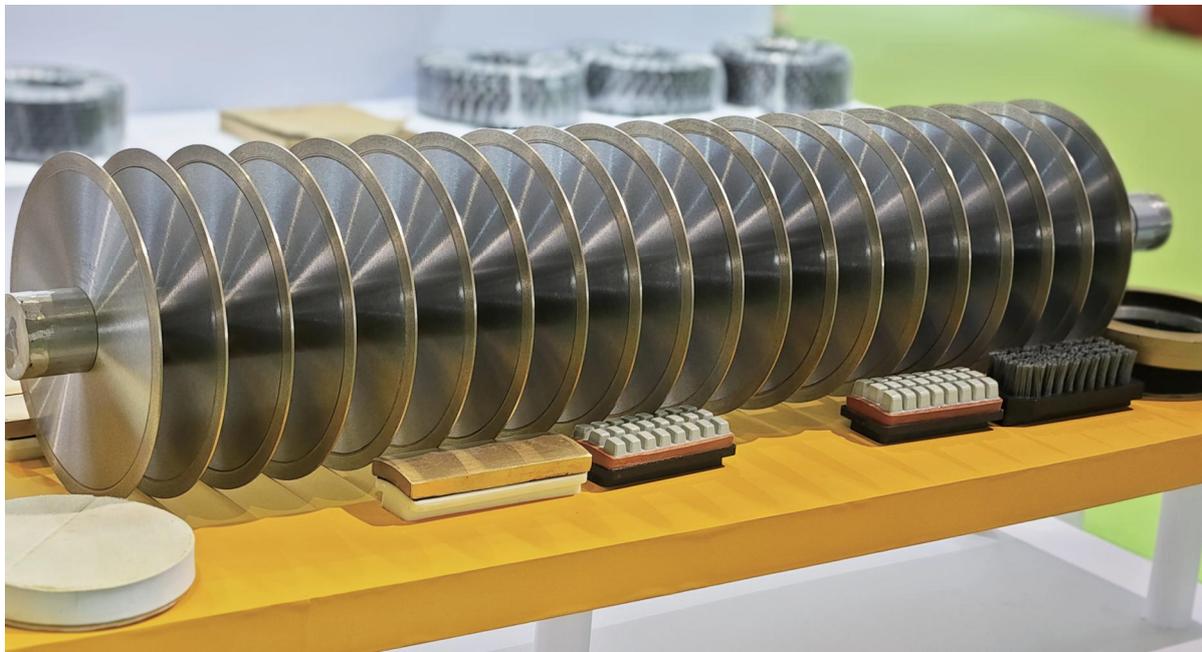
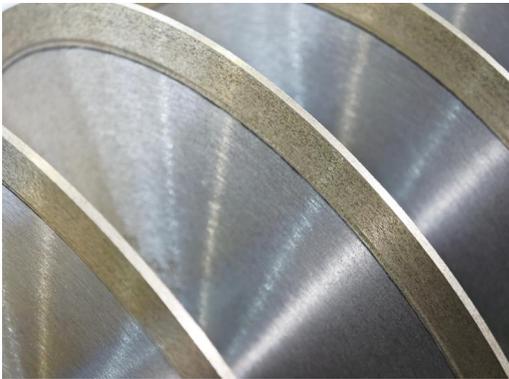
Art.No	Dia.	Usage	Thickness	Height	Arbor
HWSIG14-PDA	14"(350mm)	Granite	.125"(3.2mm)	10mm	1"-60mm
HWSIG16-PDA	16"(400mm)	Granite	.125"(3.6mm)	10mm	1"-60mm
HWSIG14-PDA	14"(350mm)	Granite	.125"(3.2mm)	15mm	1"-60mm
HWSIG16-PDA	16"(400mm)	Granite	.125"(3.6mm)	15mm	1"-60mm
HWSIG14-PDA	14"(350mm)	Granite	.125"(3.2mm)	20mm	1"-60mm
HWSIG16-PDA	16"(400mm)	Granite	.125"(3.6mm)	20mm	1"-60mm
HWSIG14-PDA	14"(350mm)	Granite	.125"(3.2mm)	30mm	1"-60mm
HWSIG16-PDA	16"(400mm)	Granite	.125"(3.6mm)	30mm	1"-60mm



## Multi Blades for Mosaic And Tile Cutting

It can be used by multi blades for ceramic industry with good sharpness, smooth and clean cutting edges, no chipping and long cutting life. This product is normally used on single-head or two-head automatic cutting machines.

Art.No	Diameter	Rim Thickness	Diamond Height	Diamond Grit	Arbor
HPMC10	10"(250mm)	1.8/2.0/2.2mm	10mm	D64/D76/D91/ D107/D126/D151/ D181/D213/D252	75/60/50/ 25.4/20mm
HPMC12	12"(300mm)	2.0/2.2/2.4mm	10mm		75/60/50/ 25.4/20mm



# DRILLING TOOLS



## Laser Welded Dry Core Bits with Side Protection-Turbo Segment

Laser welded drill bit have higher weld strength and have less risk of teeth dropping. Our product can drill through 20mm hard granite tile in 15 seconds, it can drill granite tiles consistently without water.

Art.No	Bit Diameter	Segment Width	Segment Height	Total Bit Length	Adaptor
LWCGSD28	1-1/8"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD32	1-1/4"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD35	1-3/8"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD38	1-1/2"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD45	1-3/4"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD50	2"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD55	2-1/4"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD63	2-1/2"	3mm	10mm </td <td>4"</td> <td>M14;5/8"-11;1/2Gas</td>	4"	M14;5/8"-11;1/2Gas
LWCGSD80	3"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD90	3-1/2"	3.5mm	10mm	4"	M14;5/8"-11;1/2Gas
LWCGSD100	4"	3.5mm	10mm	4"	M14;5/8"-11;1/2Gas



## Continuous Rim Wet Core Bits for Granite

**Continuous Rim Core Bits have better balancing than the segmented type.**

Art.No.	Dia.(mm)	Segment Thickness	Segment Height	Total Length	Adaptor
HWCGCW6	6	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW8	8	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW10	10	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW12	12	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW14	14	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW16	16	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW18	18	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW20	20	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW25	25	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW30	30	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW32	32	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW35	35	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW38	38	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW40	40	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWCGCW50	50	3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas



## Wet Core Bits -Crown Segment

Ultra thin rims enables chipping-free drilling for porcelain, ceramic, galss and marble. Continuous Rim Core Bits have better balancing than the segmented type.

Art.No.	Dia.(mm)	Segment Thickness	Segment Height	Total Length	Adaptor																												
HWPCW6	6	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW8	8	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW10	10	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW12	12	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW14	14	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW16	16	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW18	18	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW20	20	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW25	25	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW30	30	1.5mm	10mm </tr <tr> <td>HWPCW32</td> <td>32</td> <td>1.5mm</td> <td>10mm</td> <td>60--100mm</td> <td>M14;5/8"-11;1/2Gas</td> </tr> <tr> <td>HWPCW35</td> <td>35</td> <td>1.5mm</td> <td>10mm</td> <td>60--100mm</td> <td>M14;5/8"-11;1/2Gas</td> </tr> <tr> <td>HWPCW38</td> <td>38</td> <td>1.5mm</td> <td>10mm</td> <td>60--100mm</td> <td>M14;5/8"-11;1/2Gas</td> </tr> <tr> <td>HWPCW40</td> <td>40</td> <td>1.5mm</td> <td>10mm</td> <td>60--100mm</td> <td>M14;5/8"-11;1/2Gas</td> </tr> <tr> <td>5HWPCW0</td> <td>50</td> <td>1.5mm</td> <td>10mm</td> <td>60--100mm</td> <td>M14;5/8"-11;1/2Gas</td> </tr>	HWPCW32	32	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas	HWPCW35	35	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas	HWPCW38	38	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas	HWPCW40	40	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas	5HWPCW0	50	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HWPCW32	32	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW35	35	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW38	38	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
HWPCW40	40	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												
5HWPCW0	50	1.5mm	10mm	60--100mm	M14;5/8"-11;1/2Gas																												



### Continuous Rim Dry Core Bits with VB Side Protection

Dry core bits with 4" drilling length and 4 strips of vacuum brazed diamond coating surface. Suitable for drilling all kinds of granite.

Art.No	Dia.(mm)	Segment Thickness	Segment Height	Total Length	Adaptor
HWCGCD25	25	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD30	30	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD32	32	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD35	35	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD38	38	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD40	40	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas
HWCGCD50	50	1.5-3.0mm	10mm	60-100mm	M14;5/8"-11;1/2Gas



### Dry Core Bits with Sintered Side Protection

Dry core bits with 4" drilling length and side protection teeth. Suitable for drilling all kinds of granite.

Art.No	Dia.(mm)	Segment Thickness	Segment Height	Total Length	Adaptor
HESPCD25	25	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD30	30	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD32	32	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD35	35	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD38	38	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD40	40	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas
HESPCD50	50	1.5-3.0mm	10mm	60--100mm	M14;5/8"-11;1/2Gas



## Ordinary Welded Dry Core Bits With Side Protection-Turbo Segment

Dry core bits with 4" drilling length and 2 strips of diamond coating outside for drilling all kinds of granite, marble.

Art.No	Bit Diameter	Segment Width	Segment Height	Total Bit Length	Adaptor
HWCGSD28	1-1/8"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD32	1-1/4"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD35	1-3/8"	2.5mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD38	1-1/2"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD45	1-3/4"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD50	2"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD58	2-1/4"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD63	2-1/2"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD76	3"	3mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD88	3-1/2"	3.5mm	10mm	4"	M14;5/8"-11;1/2Gas
HWCGSD100	4"	3.5mm	10mm	4"	M14;5/8"-11;1/2Gas



## Ordinary Welded Wet Core Bits With Side Holes/ Slots

Fast drilling, long lifespan and very competitive price

Art.No	Bit Diameter	Segment Width	Segment Height	Total Bit Length	Adaptor
HWCGSW28	1-1/8"	2.5mm	10mm	70mm	M10;M14
HWCGSW32	1-1/4"	2.5mm	10mm	70mm	M10;M14
HWCGSW35	1-3/8"	2.5mm	10mm	70mm	M10;M14
HWCGSW38	1-1/2"	3mm	10mm	70mm	M10;M14
HWCGSW45	1-3/4"	3mm	10mm	70mm	M10;M14
HWCGSW50	2"	3mm	10mm	70mm	M10;M14
HWCGSW58	2-1/4"	3mm	10mm	70mm	M10;M14
HWCGSW63	2-1/2"	3mm	10mm	70mm	M10;M14
HWCGSW76	3"	3mm	10mm	70mm	M10;M14
HWCGSW88	3-1/2"	3.5mm	10mm	70mm	M10;M14
HWCGSW100	4"	3.5mm	10mm	70mm	M10;M14



## Vacuum Brazed Drill Bits For Granite/Ceramic/Glass

**80% longer lifespan compared average VB drill bits on the market, and only 10% rise on the price. Suitable for quality-focused buyers.**

Art.No	Dia.	diamond width	total length	Adaptor
VBCB06	6	10mm	60mm	M14;5/8"-11;triangle handle
VBCB08	8	10mm	60mm	M14;5/8"-11;triangle handle
VBCB10	10	10mm	60mm	M14;5/8"-11;triangle handle
VBCB12	12	10mm	60mm	M14;5/8"-11;triangle handle
VBCB14	14	10mm	60mm	M14;5/8"-11;triangle handle
VBCB16	16	10mm	60mm	M14;5/8"-11;triangle handle
VBCB18	18	10mm	60mm	M14;5/8"-11;triangle handle
VBCB20	20	10mm	60mm	M14;5/8"-11;triangle handle
VBCB22	22	10mm	60mm	M14;5/8"-11;triangle handle
VBCB	22upper	10mm	60mm	M14;5/8"-11;triangle handle



## Vacuum Brazed Drill Bits For Granite/Ceramic/Glass-Line-Up

Line-up technology increases the sharpness of the core bit and the quality of the drilling edge.

Art.No	Dia.	diamond width	total length	Adaptor
VBICB06	6	10mm	60mm	M14;5/8"-11;triangle handle
VBICB08	8	10mm	60mm	M14;5/8"-11;triangle handle
VBICB10	10	10mm	60mm	M14;5/8"-11;triangle handle
VBICB12	12	10mm	60mm	M14;5/8"-11;triangle handle
VBICB14	14	10mm	60mm	M14;5/8"-11;triangle handle
VBICB16	16	10mm	60mm	M14;5/8"-11;triangle handle
VBICB18	18	10mm	60mm	M14;5/8"-11;triangle handle
VBICB20	20	10mm	60mm	M14;5/8"-11;triangle handle
VBICB22	22	10mm	60mm	M14;5/8"-11;triangle handle
VBICB	22upper	10mm	60mm	M14;5/8"-11;triangle handle



### Vacuum Brazed Core Bit for Sink Drains

This drill makes it possible to perform two different machining operations in one step, thus saving time.



Art.No	Dia.	Diamond Width	Grit#	Thread
VBCBS45	45/65mm	6-10mm	35-80	Handle;M14;5/8"-11
VBCBS50	50/70mm	6-10mm	35-80	Handle;M14;5/8"-11

### Vacuum Brazed Finger Bit

Designed to enlarge and/or shape existing holes in products such as ceramics, porcelain, single-fired, klinker, terracotta, granite and marble. Also useful for improving the edge finish of exposed holes



Art.No	Dia.	Grit#	Thread
VFBF6	6mm	35-40;50-60;80-100	Handle;M14;5/8"-11
VFBF20	20mm	35-40;50-60;80-100	Handle;M14;5/8"-11

### Vacuum Brazed Diamond Cone

Designed to enlarge and/or shape existing holes in products such as ceramics, porcelain, granite and marble. Also useful for improving the edge finish of exposed holes.



Art.No	Dia.	Grit#	Thread
VBCN38	2/38mm	35-40;50-60;80-100	Handle;M14;5/8"-11
VBCN48	24/48mm	35-40;50-60;80-100	Handle;M14;5/8"-11
VBCN75	35/75mm	35-40;50-60;80-100	Handle;M14;5/8"-11

# DIAMOND TOOLS FOR CONSTRUCTION



### Vacuum Brazed Rescue Blade

VB blade with side protection on the steel core, suitable for cutting in complicated situations. High speed cutting for steel, concrete, granite, metal.



Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDSR105	4"105mm	3-6mm	35-40	20mm
VBDSR115	4.5"115mm	3-6mm	35-40	22.23mm
VBDSR125	5"125mm	3-6mm	35-40	22.23mm
VBDSR152	6"152mm	3-6mm	35-40	25.4mm
VBDSR180	7"180mm	3-6mm	35-40	25.4mm
VBDSR200	8"200mm	3-6mm	35-40	25.4mm
VBDSR230	9"230mm	3-6mm	35-40	25.4mm

### Laser Welded-Vacuum Brazed Cutting Blade

VB teeth laser welded on steel core. Economical for large size blade.



Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDLW230	9"230mm	3-6mm	35-40	25.4mm
VBDLW300	10"300mm	3-6mm	35-40	25.4mm
VBDLW350	14"350mm	3-6mm	35-40	25.4mm
VBDLW400	16"400mm	3-6mm	35-40	25.4mm

## Vacuum Brazed Cutting Blade for Steel

High speed cutting for steel rebar, long lifespan.

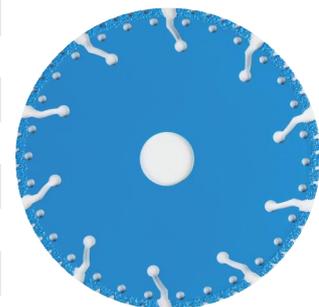
Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDSM076	3"76mm	3-6mm	25-30	10mm
VBDSM105	4"105mm	3-6mm	25-30	20mm
VBDSM115	4.5"115mm	3-6mm	25-30	22.23mm
VBDSM125	5"125mm	3-6mm	25-30	22.23mm
VBDSM152	6"152mm	3-6mm	25-30	25.4mm
VBDSM180	7"180mm	3-6mm	25-30	25.4mm
VBDSM200	8"200mm	3-6mm	25-30	25.4mm
VBDSM300	9"230mm	3-6mm	25-30	25.4mm



## Vacuum Brazed Cutting Blade for General

Suitable for steel pipe, metal, plastic, stone, brick cutting

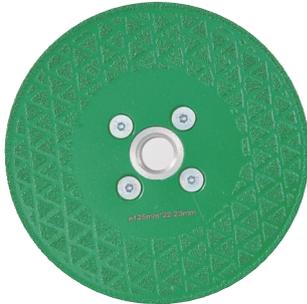
Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDSG76	3"76mm	3-6mm	35-40	10mm
VBDSG105	4"105mm	3-6mm	35-40	20mm
VBDSG115	4.5"115mm	3-6mm	35-40	22.23mm
VBDSG125	5"125mm	3-6mm	35-40	22.23mm
VBDSG152	6"152mm	3-6mm	35-40	25.4mm
VBDSG180	7"180mm	3-6mm	35-40	25.4mm
VBDSG200	8"200mm	3-6mm	35-40	25.4mm
VBDSG230	9"230mm	3-6mm	35-40	25.4mm



FOR CONSTRUCTION

## Vacuum Brazed Grinding Cutter

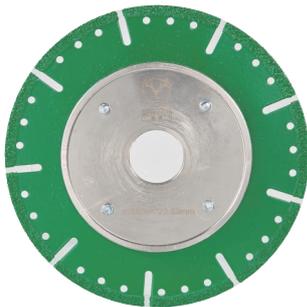
High speed cutting/grinding of granite, long lifespan.



Art.No	Dia.	Diamond Width	Grit#	Thread
VBGCG076	3"76mm	20mm	35-40	M14;5/8"-11
VBGCG105	4"105mm	20mm	35-40	M14;5/8"-11
VBGCG115	4.5"115mm	20mm	35-40	M14;5/8"-11
VBGCG125	5"125mm	20mm	35-40	M14;5/8"-11
VBGCG152	6"152mm	20mm	35-40	M14;5/8"-11

## Vacuum Brazed Cutting/profiling Blade for granite

High speed cutting/edge grinding for granite.



Art.No	Dia.	Diamond Width	Grit#	Thread
VBMSG076	3"76mm	3-6mm	35-40	M14;5/8"-11
VBMSG105	4"105mm	3-6mm	35-40	M14;5/8"-11
VBMSG115	4.5"115mm	3-6mm	35-40	M14;5/8"-11
VBMSG125	5"125mm	3-6mm	35-40	M14;5/8"-11
VBMSG152	6"152mm	3-6mm	35-40	M14;5/8"-11

## Vacuum Brazed Carbide Blade for Wood/Plastic

For dry cutting wood with nail, concrete, plaster board, plastic tube



Art.No	Dia.	Arbor
VBDSW076	3"76mm	10mm
VBDSW105	4"105mm	20mm
VBDSW115	4.5"115mm	22.23mm
VBDSW125	5"125mm	22.23mm
VBDSW152	6"152mm	25.4mm

## Vacuum Brazed Cutting Blade for Glass

Dry/wet cutting of glass. Maximum cutting thickness: 20mm. Clean cut without chipping.

Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDCL076	3"76mm	8-20mm	120-140	10mm
VBDCL105	4"105mm	8-20mm	120-140	20mm
VBDCL115	4.5"115mm	8-20mm	120-140	22.23mm
VBDCL125	5"125mm	8-20mm	120-140	22.23mm
VBDCL152	6"152mm	8-20mm	120-140	25.4mm



FOR CONSTRUCTION

## Vacuum Brazed Cutting Blade for Porcelain

Dry/wet cutting of porcelain. Maximum cutting thickness: 20mm. Clean cut without chipping.

Art.No	Dia.	Diamond Width	Grit#	Arbor
VBDPC076	3"76mm	8-30mm	80-100	10mm
VBDPC105	4"105mm	8-30mm	80-100	20mm
VBDPC115	4.5"115mm	8-30mm	80-100	22.23mm
VBDPC125	5"125mm	8-30mm	80-100	22.23mm
VBDPC152	6"152mm	8-30mm	80-100	25.4mm



### Hot Pressed Saw Blade for Reinforced Concrete -Dry Cutting



Art.No	Dia.	Thickness	Height	Arbor
HPDRC04	4"105mm	1.6mm	12mm	20mm
HPDRC4.5	4.5"115mm	2mm	12mm	22.23mm
HPDRC05	5"125mm	2mm	12mm	22.23mm
HPDRC06	6"152mm	2mm	12mm	25.4mm
HPDRC07	7"180mm	2.5mm	15mm	25.4mm
HPDRC08	8"200mm	2.5mm	15mm	25.4mm
HPDRC09	9"230mm	2.5mm	15mm	25.4mm
HPDRC10	10"250mm	2.5mm	15mm	25.4mm
HPDRC12	12"300mm	3mm	15mm	25.4mm
HPDRC14	14"350mm	3.2mm	15mm	25.4mm

### Sintered Crack Chasers

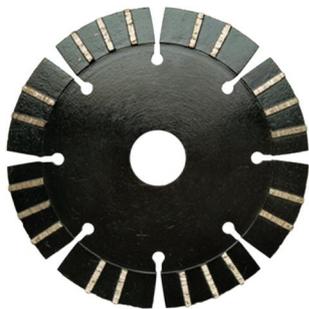
For routing, cleaning cracks and joints in concrete and other materials.



Art.No	Dia.	Thickness	Diamond Height	Arbor
HPTKRC0406	4"(105mm)	0.250"(6.35mm)	10mm	20mm-5/8"
HPTKRC0409	4"(105mm)	0.375"(9.50mm)	10mm	20mm-5/8"
HPTKRC4.506	4-1/2"(115mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC4.509	4-1/2"(115mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
HPTKRC0506	5"(125mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC0509	5"(125mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
HPTKRC0606	6"(150mm)	.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC0609	6"(150mm)	.375"(9.50mm)	10mm	7/8"-20mm-5/8"
HPTKRC0706	7"(180mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC0709	7"(180mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
HPTKRC0806	8"(200mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC0809	8"(200mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
HPTKRC0906	9"(230mm)	.250"(6.35mm)	10mm	7/8"-20mm-5/8"
HPTKRC0909	9"(230mm)	.375"(9.50mm)	10mm	7/8"-20mm-5/8"

### Inverse-Turbo Sintered Crack Chasers

For routing, cleaning cracks and joints in concrete and other materials. Inverse turbo reduces the cost and helps cooling and dust-removal



Art.No	Dia.	Thickness	Height	Arbor
HPTKRC4.503	4-1/2"(115mm)	3.5mm	13.5	7/8"-20mm-5/8"
HPTKRC0504	5"(125mm)	4.0mm	12	7/8"-20mm-5/8"
HPTKRC5.504	5"(130mm)	4.0mm	12	7/8"-20mm-5/8"

## Hot Pressed Saw Blade for Brick/Concrete

Art.No	Dia.	Thickness	Height	Arbor
HPDCB105	4"105mm	1.6mm	8mm	20mm
HPDCB115	4.5"115mm	2mm	10mm	22.23mm
HPDCB125	5"125mm	2mm	10mm	22.23mm
HPDCB152	6"152mm	2mm	11mm	25.4mm
HPDCB180	7"180mm	2.5mm	10mm	25.4mm
HPDCB200	8"200mm	2.5mm	11mm	25.4mm
HPDCB230	9"230mm	2.5mm	10mm	25.4mm
HPDCB250	10"250mm	2.5mm	10mm	25.4mm
HPDCB300	12"300mm	3mm	12mm	25.4mm
HPDCB350	14"350mm	3.2mm	11mm	25.4mmA



FOR CONSTRUCTION

## Hot Pressed Saw Blade for Reinforced Concrete - Wet cutting

Art.No	Dia.	Thickness	Height	Arbor
HPWRC105	4"105mm	1.6mm	12mm	20mm
HPWRC115	4.5"115mm	2mm	12mm	22.23mm
HPWRC125	5"125mm	2mm	12mm	22.23mm
HPWRC152	6"152mm	2mm	12mm	25.4mm
HPWRC180	7"180mm	2.5mm	15mm	25.4mm
HPWRC200	8"200mm	2.5mm	15mm	25.4mm
HPWRC230	9"230mm	2.5mm	15mm	25.4mm
HPWRC250	10"250mm	2.5mm	15mm	25.4mm
HPWRC300	12"300mm	3mm	15mm	25.4mm
HPWRC350	14"350mm	3.2mm	15mm	25.4mm



# Laser welded saw blade

## Laser Welded Green Concrete & Asphalt Blade

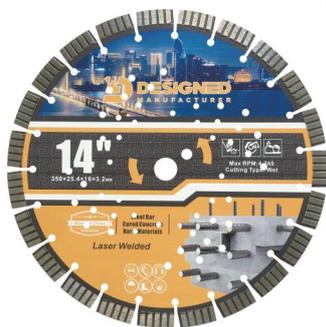
Designed for green concrete, asphalt, and cinder block. Laser welded segments have less risk of dropping.



Art.No	Diameter	Thickness	Diamond Height	Arbor	Undercut protection type
LWAS30016	12"(300mm)	.125"(3.2mm)	16mm	7/8"-60mm	Vertical Inserts
LWAS35016	14"(350mm)	.125"(3.2mm)	16mm	7/8"-60mm	Vertical Inserts
LWAS40016	16"(400mm)	.125"(3.4mm)	16mm	7/8"-60mm	Vertical Inserts
LWAS45016	18"(450mm)	.140"(3.6mm)	16mm	7/8"-60mm	Recess segments
LWAS50016	20"(500mm)	.155"(4.0mm)	16mm	7/8"-60mm	Recess segments
LWAS60016	24"(600mm)	.165"(4.2mm)	16mm	7/8"-60mm	Recess segments
LWAS65016	26"(650mm)	.187"(4.8mm)	16mm	7/8"-60mm	Recess segments
LWAS70016	28"(700mm)	.187"(4.8mm)	16mm	7/8"-60mm	Recess segments
LWAS75016	30"(750mm)	.187"(4.8mm)	16mm	7/8"-60mm	Recess segments

## Laser Welded Reinforced Concrete Blade

Designed for high grade concrete (C25 upper) with rebar. Laser welded segments have less risk of dropping.



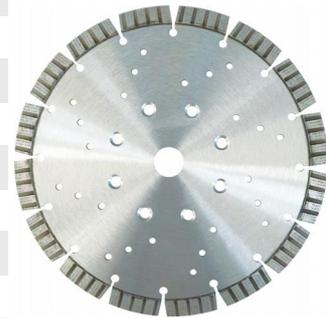
Art.No	Diameter	Thickness	Diamond Height	Arbor	Material
LWRC18016	7"(180mm)	2.5mm	15mm	7/8"-60mm	Cured Concrete
LWRC20016	8"(200mm)	2.6mm	15mm	7/8"-60mm	Cured Concrete
LWRC23016	9"(230mm)	2.6mm	16mm	7/8"-60mm	Cured Concrete
LWRC25016	10"(250mm)	3.0mm	16mm	7/8"-60mm	Cured Concrete
LWRC30016	12"(300mm)	3.2mm	16mm	7/8"-60mm	Cured Concrete
LWRC35016	14"(350mm)	3.2mm	16mm	7/8"-60mm	Cured Concrete
LWRC40016	16"(400mm)	3.4mm	16mm	7/8"-60mm	Cured Concrete
LWRC45016	18"(450mm)	3.6mm	16mm	7/8"-60mm	Cured Concrete
LWRC50016	20"(500mm)	4.0mm	16mm	7/8"-60mm	Cured Concrete

FOR CONSTRUCTION

## Laser Welded Reinforced Concrete Blade-PDA

Designed for high grade concrete(C25 upper) with rebar.  
Laser welded segment have less risk of dropping.  
PDA technology increase the lifespan and cutting speed.

Art.No	Diameter	Thickness	Daimond Height	Arbor	Material
LWRC18012PDA	7"(180mm)	2.5mm	12mm	7/8"-60mm	Cured Concrete
LWRC20012PDA	8"(200mm)	2.6mm	12mm	7/8"-60mm	Cured Concrete
LWRC23012PDA	9"(230mm)	2.6mm	12mm	7/8"-60mm	Cured Concrete
LWRC25012PDA	10"(250mm)	3.0mm	12mm	7/8"-60mm	Cured Concrete
LWRC30012PDA	12"(300mm)	3.2mm	12mm	7/8"-60mm	Cured Concrete
LWRC35012PDA	14"(350mm)	3.2mm	12mm	7/8"-60mm	Cured Concrete
LWRC40012PDA	16"(400mm)	3.5mm	12mm	7/8"-60mm	Cured Concrete
LWRC45012PDA	18"(450mm)	3.6mm	12mm	7/8"-60mm	Cured Concrete
LWRC50012PDA	20"(500mm)	4.0mm	12mm	7/8"-60mm	Cured Concrete



## Laser Welded Reinforced Concrete Blade-Slient Basement

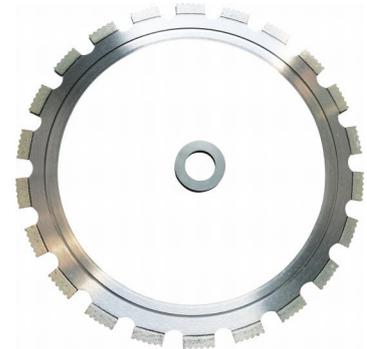
Designed for high grade concrete(C25 upper) with rebar.  
Laser welded segment have less risk of dropping.  
Silent basement will reduce the noise while cutting

Art.No	Diameter	Thickness	Daimond Height	Arbor	Material
LWRC18012SIL	7"(180mm)	2.2mm	12mm	7/8"-60mm	Cured Concrete
LWRC20012SIL	8"(200mm)	2.4mm	12mm	7/8"-60mm	Cured Concrete
LWRC23012SIL	9"(230mm)	2.4mm	12mm	7/8"-60mm	Cured Concrete
LWRC25012SIL	10"(250mm)	2.6mm	12mm	7/8"-60mm	Cured Concrete
LWRC30012SIL	12"(300mm)	2.8mm	12mm	7/8"-60mm	Cured Concrete
LWRC35012SIL	14"(350mm)	2.8mm	12mm	7/8"-60mm	Cured Concrete
LWRC40012SIL	16"(400mm)	3.4mm	12mm	7/8"-60mm	Cured Concrete
LWRC45012SIL	18"(450mm)	3.6mm	12mm	7/8"-60mm	Cured Concrete
LWRC50012SIL	20"(500mm)	4.0mm	12mm	7/8"-60mm	Cured Concrete



## Ring Saw Blade

Art. No.	Ring Dia.(mm)	Seg. Size	Seg. No.	Seg. Shape
LWRS28010	280	32*3.8*10	20	V-slot
LWRS35012	350	32*4*12	22	Turbo
LWRS37010	370	32*4*10	26	V-slot
LWRS37012	370	32*4.2*12	26	Turbo
LWRS38610	386	26*4*10	30	V-slot
LWRS40012	400	32*4*12	25	Waves
LWRS48010	480	32*4.3*10	36	V-slot
LWRS59010	590	32*4.8*10	44	3V-slot



FOR CONSTRUCTION

# TUCK POINT BLADE

## Laser Welded Tuck Point Blades

Designed dry use for routing and cleaning of mortar joints.

Art.No	Diameter	Thickness	Diamond Height	Arbor
175001	4"(105mm)	0.250"(6.35mm)	10mm	20mm-5/8"
175002	4"(105mm)	0.375"(9.50mm)	10mm	20mm-5/8"
175003	4-1/2"(115mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
175004	4-1/2"(115mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
175005	5"(125mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
175006	5"(125mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
175007	7"(180mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
175008	7"(180mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
175009	8"(200mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
175010	8"(200mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
175011	9"(230mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
175012	9"(230mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"



## Laser Welded Crack Chasers

V-shape segments for routing, cleaning cracks and joints in concrete and other materials.

Art.No	Diameter	Thickness	Diamond Height	Arbor
176001	4"(105mm)	0.250"(6.35mm)	10mm	20mm-5/8"
176002	4"(105mm)	0.375"(9.50mm)	10mm	20mm-5/8"
176003	4-1/2"(115mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
176004	4-1/2"(115mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
176005	5"(125mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
176006	5"(125mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
176007	7"(180mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
176008	7"(180mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
176009	8"(200mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
176010	8"(200mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"
176011	9"(230mm)	0.250"(6.35mm)	10mm	7/8"-20mm-5/8"
176012	9"(230mm)	0.375"(9.50mm)	10mm	7/8"-20mm-5/8"



FOR CONSTRUCTION

# Silver Soldered Core Bit

## Silver Soldered Wet Core Bit For Concrete

Turbo segmented core bits for faster drilling cured concrete, brick wall, green concrete.



Art.No	Bit Dia.	Adaptor Type	Drilling Length
HWWCB370018	18	1-1/4"-7UNC/M22	14"-48"
HWWCB370020	20	1-1/4"-7UNC/M22	14"-48"
HWWCB370022	22	1-1/4"-7UNC/M22	14"-48"
HWWCB370025	25	1-1/4"-7UNC/M22	14"-48"
HWWCB370027	27	1-1/4"-7UNC/M22	14"-48"
HWWCB370030	30	1-1/4"-7UNC/M22	14"-48"
HWWCB370032	32	1-1/4"-7UNC/M22	14"-48"
HWWCB370036	36	1-1/4"-7UNC/M22	14"-48"
HWWCB370038	38	1-1/4"-7UNC/M22	14"-48"
HWWCB370040	40	1-1/4"-7UNC/M22	14"-48"
HWWCB370044	44	1-1/4"-7UNC/M22	14"-48"
HWWCB370046	46	1-1/4"-7UNC/M22	14"-48"
HWWCB370051	51	1-1/4"-7UNC/M22	14"-24"
HWWCB370056	56	1-1/4"-7UNC/M22	14"-24"
HWWCB370063	63	1-1/4"-7UNC/M22	14"-24"
HWWCB370066	66	1-1/4"-7UNC/M22	14"-24"
HWWCB370071	71	1-1/4"-7UNC/M22	14"-24"
HWWCB370076	76	1-1/4"-7UNC/M22	14"-24"
HWWCB370083	83	1-1/4"-7UNC/M22	14"-24"
HWWCB370089	89	1-1/4"-7UNC/M22	14"-24"
HWWCB370096	96	1-1/4"-7UNC/M22	14"-24"
HWWCB370102	102	1-1/4"-7UNC/M22	14"-24"
HWWCB370108	108	1-1/4"-7UNC/M22	14"-24"
HWWCB370114	114	1-1/4"-7UNC/M22	14"-24"
HWWCB370116	116	1-1/4"-7UNC/M22	14"-24"
HWWCB370120	120	1-1/4"-7UNC/M22	14"-24"
HWWCB370127	127	1-1/4"-7UNC/M22	14"-24"
HWWCB370132	132	1-1/4"-7UNC/M22	14"-24"
HWWCB370140	140	1-1/4"-7UNC/M22	14"-24"
HWWCB370152	152	1-1/4"-7UNC/M22	14"-24"
HWWCB370159	159	1-1/4"-7UNC/M22	14"-24"
HWWCB370168	168	1-1/4"-7UNC/M22	14"-24"
HWWCB370180	180	1-1/4"-7UNC/M22	14"-24"
HWWCB370200	200	1-1/4"-7UNC/M22	14"-24"
HWWCB370220	220	1-1/4"-7UNC/M22	14"-24"
HWWCB370245	245	1-1/4"-7UNC/M22	14"-24"
HWWCB370300	300	1-1/4"-7UNC/M22	14"-24"

FOR CONSTRUCTION

## Diamond Cup Saw

Art.No	Bit Diameter	Adaptor Type	Drilling Length
HWWCB170019	19mm	Round Handle	170mm
HWWCB170020	20mm	Round Handle	170mm
HWWCB170025	25mm	Round Handle	170mm
HWWCB170030	30mm	Round Handle	170mm
HWWCB170040	40mm	Round Handle	170mm
HWWCB170050	50mm	Round Handle	170mm



## Diamond Dry Core Bits for Electric Hammer Drill

Art.No	Bit Diameter	Adaptor Type	Drilling Length
HWDCB150027	27	SDS-plus/Triangle Handle	150mm
HWDCB150032	32	SDS-plus/Triangle Handle	150mm
HWDCB150034	34	SDS-plus/Triangle Handle	150mm
HWDCB150050	50	SDS-plus/Triangle Handle	150mm
HWDCB150055	55	SDS-plus/Triangle Handle	150mm
HWDCB150060	60	SDS-plus/Triangle Handle	150mm
HWDCB150063	63	SDS-plus/Triangle Handle	150mm



FOR CONSTRUCTION

## Diamond Dry Core Bits for Railway Construction

**2-seperated barrel design, enables quick construction when coring railway tie holes.**

Art.No	Bit Diameter	Adaptor Type	Drilling Length
HWDCB150037	37	M22	150mm



# Laser Welded core bit

## Laser Welded Wet Core Bit For Concrete

Laser Welded, soft bond V-segment segments.  
Ultra fast wet coring for densely reinforced concrete.



Art.No	Bit Dia.	Adaptor Type	Drilling Length
LWWCB300051	32	1-1/4"-7UNC/M21	299mm
LWWCB300051	51	1-1/4"-7UNC/M22	300mm
LWWCB300058	58	1-1/4"-7UNC/M22	300mm
LWWCB300063	63	1-1/4"-7UNC/M22	300mm
LWWCB300076	76	1-1/4"-7UNC/M22	300mm
LWWCB300089	89	1-1/4"-7UNC/M22	300mm
LWWCB300102	102	1-1/4"-7UNC/M22	300mm
LWWCB300114	114	1-1/4"-7UNC/M22	300mm
LWWCB300127	127	1-1/4"-7UNC/M22	300mm
LWWCB300152	152	1-1/4"-7UNC/M22	300mm
LWWCB300178	178	1-1/4"-7UNC/M22	300mm
LWWCB300203	203	1-1/4"-7UNC/M22	300mm
LWWCB300228	228	1-1/4"-7UNC/M22	300mm
LWWCB300254	254	1-1/4"-7UNC/M22	300mm
LWWCB300305	305	1-1/4"-7UNC/M22	300mm

## Laser Welded Dry Core Bit For Concrete

Conical & Spiral core barrel design, soft bond turbo segments. Suitable for dry coring of hard bricks, concrete and lightly reinforced concrete.



Art.No	Bit Dia.	Adaptor Type	Drilling Length
LWDCB300051	51	1-1/4"-7UNC/M22	300mm
LWDCB300058	58	1-1/4"-7UNC/M22	300mm
LWDCB300063	63	1-1/4"-7UNC/M22	300mm
LWDCB300076	76	1-1/4"-7UNC/M22	300mm
LWDCB300089	89	1-1/4"-7UNC/M22	300mm
LWDCB300102	102	1-1/4"-7UNC/M22	300mm
LWDCB300114	114	1-1/4"-7UNC/M22	300mm
LWDCB300127	127	1-1/4"-7UNC/M22	300mm
LWDCB300152	152	1-1/4"-7UNC/M22	300mm
LWDCB300178	178	1-1/4"-7UNC/M22	300mm
LWDCB300203	203	1-1/4"-7UNC/M22	300mm
LWDCB300228	228	1-1/4"-7UNC/M22	300mm
LWDCB300254	254	1-1/4"-7UNC/M22	300mm
LWDCB300305	305	1-1/4"-7UNC/M22	300mm

FOR CONSTRUCTION

## Metric Hard Held Dry Core Bits for Concrete

For drilling cured concrete, reinforced concrete wall, green concrete.

Art.No	Bit Dia.	Adaptor Type	Driling Length
LWDMB32	32mm	5/8"-11/M16	70mm
LWDMB68	68mm	5/8"-11/M16	70mm
LWDMB82	82mm	5/8"-11/M16	70mm
LWDMB200	200mm	5/8"-11/M16	70mm



FOR CONSTRUCTION

## Threaded Barrel Wet Core Bits

Threaded barrel core bit allow excessively deep drilling. The diamond drilling head is easy to exchange for client's. It is for drilling all kinds of concrete, reinforced concrete, and asphalt.

Art.No	Bit Diameter	Adaptor Type	Driling Length
LWWTB51	51mm	1-1/4"-7UNC	18"
LWWTB63	63mm	1-1/4"-7UNC	18"
LWWTB76	76mm	1-1/4"-7UNC	18"
LWWTB83	83mm	1-1/4"-7UNC	18"
LWWTB102	102mm	1-1/4"-7UNC	18"
LWWTB120	120mm	1-1/4"-7UNC	18"



# DIAMOND WIRE

MBB94

BD2329

MBB98

## Diamond Wire For Granite Quarries

Art.No.	Specification(mm)	Beads/m	reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWGQS	φ10.5	40	Plastic	Soft granite	24-28m/s	4-9m <sup>2</sup> /h	20-30m <sup>2</sup> /m	270±5
DWGQM	φ11.0	40	Plastic	Medium granite	22-24m/s	3-6m <sup>2</sup> /h	12-20m <sup>2</sup> /m	280±5
DWGQH	φ11.5	40	Rubber	Hard granite	18-22m/s	2-4m <sup>2</sup> /h	6-12m <sup>2</sup> /m	345±5
DWGQA	φ11.5	40	Plastic	Abrasive granite	26-30m/s	4-9m <sup>2</sup> /h	15-25m <sup>2</sup> /m	345±5

## Diamond Wire For Granite Block Squaring

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWGBS	φ10.5	37	Plastic	Soft granite	24-28m/s	1.8-3.0m <sup>2</sup> /h	15-25m <sup>2</sup> /m	270±5
DWGBM	φ11.0	37	Plastic	Medium granite	22-26m/s	1.2-1.8m <sup>2</sup> /h	10-17m <sup>2</sup> /m	270±5
DWGBH	φ11.0	40	Plastic	Hard granite	20-24m/s	0.75-1.35m <sup>2</sup> /h	8-12m <sup>2</sup> /m	280±5
DWGBA	φ11.0	40	Plastic	Abrasive granite	24-28m/s	1.8-3.0m <sup>2</sup> /h	15-25m <sup>2</sup> /m	

## Diamond Wire For Granite Profiling

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWGPS	φ8.0	37	Plastic	Soft granite	24-28m/s	1.8-3.0m <sup>2</sup> /h	15-25m <sup>2</sup> /m	270±5
DWGPM	φ8.0	37	Plastic	Medium granite	22-26m/s	1.2-1.8m <sup>2</sup> /h	10-17m <sup>2</sup> /m	270±5
DWGPH	φ8.0	40	Plastic	Hard granite	20-24m/s	0.75-1.35m <sup>2</sup> /h	8-12m <sup>2</sup> /m	280±5
DWGPA	φ8.0	40	Plastic	Abrasive granite	24-28m/s	1.8-3.0m <sup>2</sup> /h	15-25m <sup>2</sup> /m	

## Diamond Wire For Marble / Limestone Quarries

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWMQS	φ11.0	28	Spring	Low density marble	25.0-45.0(m/s)	9.0-12.0m <sup>2</sup> /h	30-35m <sup>2</sup> /m	300±5
DWMQM	φ10.5	37	Rubber	Mid-hard marble	15.0-25.0(m/s)	7.0-10.0m <sup>2</sup> /h	28-32m <sup>2</sup> /m	280±5
DWMQH	φ11.0	33	Rubber	Hard marble	10.0-20.0(m/s)	4.0-8.0m <sup>2</sup> /h	26-30m <sup>2</sup> /m	300±5

## Diamond Wire For Marble / Limestone Block Squaring

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWMB5	φ10.5	30	Plastic	Soft marble	30-35m/s	2.7-3.9m <sup>2</sup> /h	40-60m <sup>2</sup> /m	245±5
DWMBM1	φ10.5	33	Plastic	Medium marble	28-32m/s	2.1-3.0m <sup>2</sup> /h	25-40m <sup>2</sup> /m	260±5
DWMBH1	φ10.5	37	Plastic	Hard marble	26-30m/s	1.8-2.4m <sup>2</sup> /h	20-30m <sup>2</sup> /m	280±5

## Diamond Wire For Marble / Limestone Block Squaring

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWMBL	10.5	33	Plastic	Low density marble	30-35(m/s)	90-130cm/h	30-35 (m <sup>2</sup> /m)	245±5
DWMBM2	11	37	Rubber	Mid-hard marble	28-32(m/s)	70-100cm/h	28-32 (m <sup>2</sup> /m)	300±5
DWMBH2	11	40	Rubber	Hard marble	26-30(m/s)	60-80cm/h	26-30 (m <sup>2</sup> /m)	345±5

## Diamond Wire Saw For Marble / Limestone Block Profiling

Art.No.	Specification(mm)	Beads/m	Reinforcement	Cutting material	Line speed	Cutting speed	Wire life	N.W./m (g)
DWMPPL	φ8.0	33	Plastic	Low density marble	30-34(m/s)	100-150cm/h	30-34 (m <sup>2</sup> /m)	165±5
DWMPM	φ9.0	33	Plastic	Mid-hard marble	28-32(m/s)	80-120cm/h	28-32 (m <sup>2</sup> /m)	190±5
DWMPH	φ9.0	33	Plastic	Hard marble	26-30(m/s)	70-100cm/h	26-30 (m <sup>2</sup> /m)	



## Diamond Wire-Saws For Granite Multi-Wire Machines

Art. Number	Specification (mm)	Beads/m	Reinforcement	Cutting Material	Line Speed (m/s)	Cutting Speed (m <sup>2</sup> /h)	Wire life (m <sup>2</sup> /m)	N.W./m (g)
MWG56	φ5.6	37	Plastic	Low-rigidity granite	22-26(m/s)	25-35cm/h	11.0-14.0(m <sup>2</sup> /m)	150±5
MWG63	φ6.3	37	Plastic	Mid-rigidty granite	22-26(m/s)	20-30cm/h	8.0-12.0(m <sup>2</sup> /m)	150±5
MWG75	φ7.5	37	Plastic	Hard granite	22-26(m/s)	15-25cm/h	5.0-8.0(m <sup>2</sup> /m)	150±5
MWG90	φ9.0	37	Plastic	Abrasive granite	22-26(m/s)	25-35cm/h	9.0-13.0(m <sup>2</sup> /m)	150±5



DIAMOND WIRE

## Diamond Wire for Concrete

item number	Specification(mm)	Beads/m	Assembling	Cutting material	Line speed
DW11.8CB	φ11.8	40	Plastic	C30-C40 Concrete	24-28m/s
DW11.8CA	φ11.8	40	Plastic	C30-C50 Concrete	22-24m/s
DW10.8CS	φ10.8	40	Rubber	C30-C80 Concrete	18-22m/s



## Vacuum Brazed Diamond Wire for Concrete

Art.No.	Specification(mm)	Beads/m	Assembling	Recommended Application	Line speed
VBW10.540RS	10.5	40	Rubber+Spring	Metal, Heavy Reinforced Concrete	16-20m/s
VBW10.544RSC	10.5	44	Rubber+Spring	Metal, Heavy Reinforced Concrete Reinforced Concrete	16-20m/s
VBW10.544RSB	10.5	44	Rubber+Spring	Metal, Heavy Reinforced Concrete Reinforced Concrete	16-20m/s
VBW10.544RSA	10.5	44	Rubber+Spring	Metal, Heavy Reinforced Concrete Reinforced Concrete"	16-20m/s



# SURFACE PREPARATION



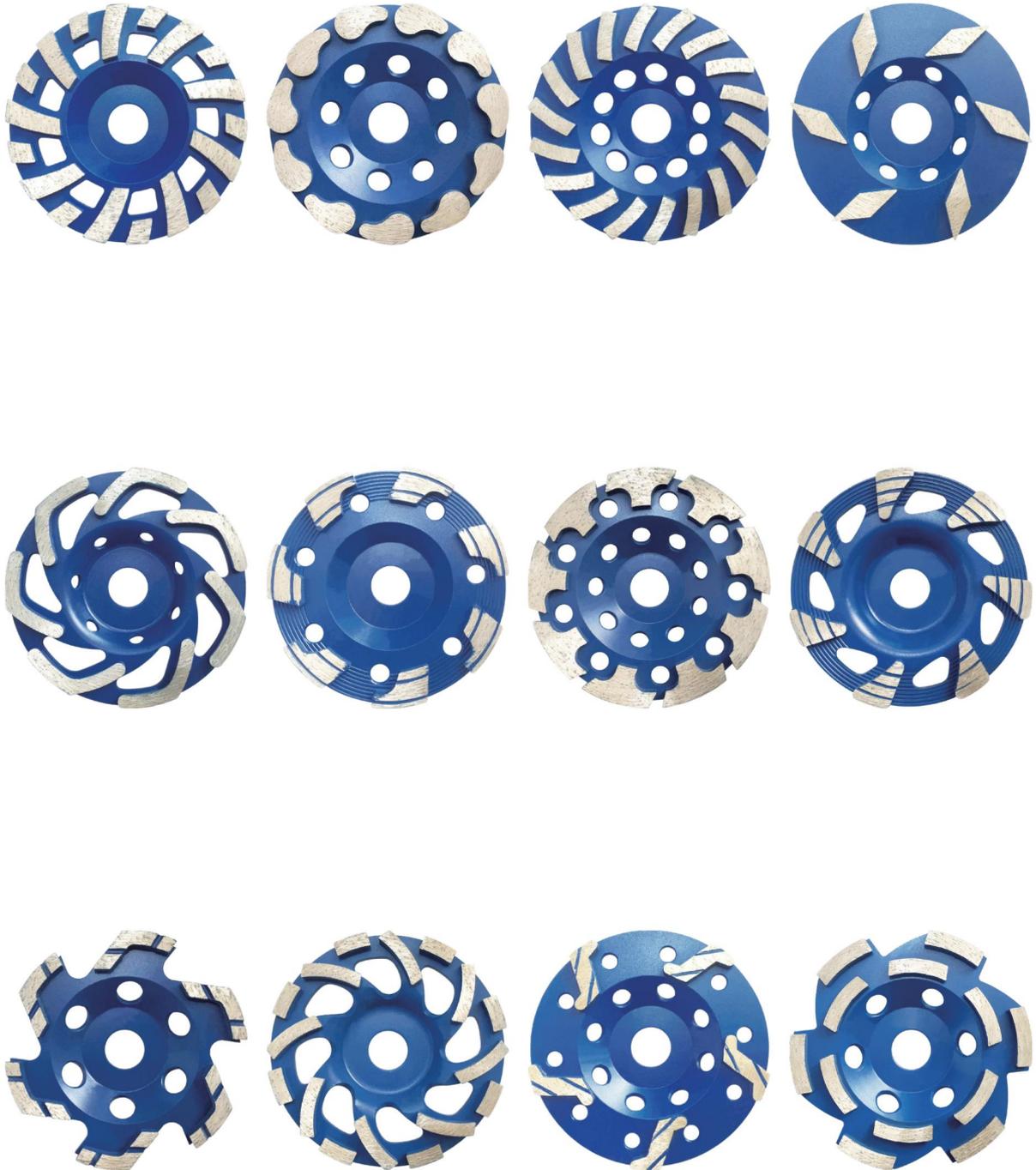
# GRINDING CUP WHEELS

Very aggressive grinding in a wide range of materials of concrete, masonry and stone.

Art.No.	Diameter	Segment Height	Arbor
GIMH4	4"(100mm)	6mm	7/8"-5/8"
GIMT4	4"(100mm)	6mm	5/8"-11 Thread
GIMH4.5	4-1/2"(115mm)	6mm	7/8"-5/8"
GIMT4.5	4-1/2"(115mm)	6mm	5/8"-11 Thread
GIMH5	5"(125mm)	6mm	7/8"-5/8"
GIMT5	5"(125mm)	6mm	5/8"-11 Thread
GIMH6	6"(150mm)	6mm	7/8"-5/8"
GIMT6	6"(150mm)	6mm	5/8"-11 Thread
GIMH7	7"(180mm)	6mm	7/8"-5/8"
GIMT7	7"(180mm)	6mm	5/8"-11 Thread

SURFACE PREPARATION





SURFACE PREPARATION

## PCD Cup Wheels

For removal of epoxy coating with long life and perfect performance

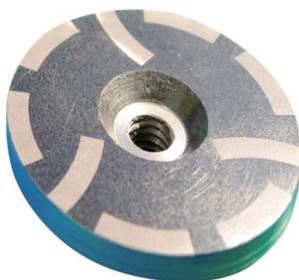
Art. No.	Diameter	PCD SIZE	Segment No.	Arbor
GPCDH4	4"(100mm)	1/4 Round	4	7/8"-5/8"
GPCDT4	4"(100mm)	1/4 Round	4	5/8"-11 Thread
GPCDH4.5	5"(125mm)	1/4 Round	4	7/8"-5/8"
GPCDT4.5	5"(125mm)	1/4 Round	4	5/8"-11 Thread
GPCDH5	5"(125mm)	1/4 Round	5	7/8"-5/8"
GPCDT5	5"(125mm)	1/4 Round	5	5/8"-11 Thread
GPCDH6	6"(150mm)	1/4 Round	6	7/8"-5/8"
GPCDT6	6"(150mm)	1/4 Round	6	5/8"-11 Thread
GPCDH7	7"(180mm)	1/4 Round	9	7/8"-5/8"
GPCDT7	7"(180mm)	1/4 Round	9	5/8"-11 Thread



## Resin Filled Cup Wheels

Balanced and resin-filled, very aggressive grinding in a wide range of materials of concrete, masonry and stone.

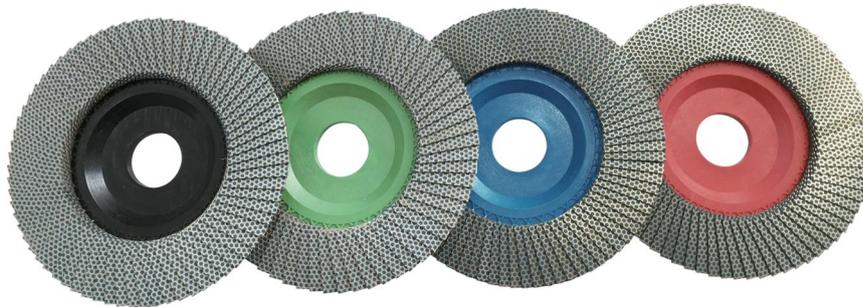
Art. No.	Diameter	Segment Height	Grit	Arbor
GRFH4C	4"(100mm)	6mm	Coarse	7/8"-5/8"
GRFH4M	4"(100mm)	6mm	Medium	7/8"-5/8"
GRFH4F	4"(100mm)	6mm	Fine	7/8"-5/8"
GRFT4C	4"(100mm)	6mm	Coarse	5/8"-11 Thread
GRFT4M	4"(100mm)	6mm	Medium	5/8"-11 Thread
GRFT4F	4"(100mm)	6mm	Fine	5/8"-11 Thread



## Diamond Flapping Disc

High efficiency polishing/grinding for porcelain, marble, granite, concrete.

Art.No	Diameter	Number of Flaps	Flap Material	Basement Material	Grit	Arbor
DMPUFP105	Φ105	40,45,50,60,62,80	diamond	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMPUFP115	Φ115	40,45,50,60,62,80	diamond	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMPUFP125	Φ125	40,45,50,60,62,80	diamond	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMPLFP115	Φ115	40,45,50,60,62,80	diamond	Plastic	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMPLFP125	Φ125	40,45,50,60,62,80	diamond	Plastic	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMALFP115	Φ105	40,45,50,60,62,80	diamond	Aluminum	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DMALFP125	Φ115	40,45,50,60,62,80	diamond	Aluminum	60#,120#,200#,400#	22.23mm,M14,5/8"-11



## Diamond-Silicon Carbide Flapping Disc

SiC Flaps reduced the cost and improved dust-removal.

Art.No	Diameter	Number of Flaps	Flap Material	Basement Material	Grit	Arbor
DSPUFP105	Φ105	40,45,50,60,62,80	50% diamond 50%SiC	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSPUFP115	Φ115	40,45,50,60,62,80	50% diamond 50%SiC	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSPUFP125	Φ125	40,45,50,60,62,80	50% diamond 50%SiC	Glass Fiber	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSPLFP115	Φ115	40,45,50,60,62,80	50% diamond 50%SiC	Plastic	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSPLFP125	Φ125	40,45,50,60,62,80	50% diamond 50%SiC	Plastic	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSALFP115	Φ105	40,45,50,60,62,80	50% diamond 50%SiC	Aluminum	60#,120#,200#,400#	22.23mm,M14,5/8"-11
DSFP125	Φ115	40,45,50,60,62,80	50% diamond 50%SiC	Aluminum	60#,120#,200#,400#	22.23mm,M14,5/8"-11



[www.dm-tools.cn](http://www.dm-tools.cn)

# Grinding Plates

For Grinding Concrete And Asphalt Floor

Art.No	Diameter	Segment Size	Segment No	Grit
GPC1010C	10"(250mm)	50×10×10mm	10N	30/40#
GPC2010C	10"(250mm)	50×10×10mm	20N	30/40#
GPC1012C	12"(300mm)	50×10×10mm	10N	30/40#
GPC2012C	12"(300mm)	50×10×10mm	20N	30/40#
GPC2010M	10"(250mm)	50×10×10mm	20N	60/80#
GPC2012F	12"(300mm)	50×10×10mm	20N	80/100#
GPC2410C	10"(250mm)	15N-HEAGON 9N-40*12*12mm	24N	30/40#
GPC3012C	12"(300mm)	18N-HEAGON 12N-40*12*12mm	30N	



SURFACE PREPARATION

## Steel Universal Quick Change Plates

Art.No	Diameter	Description
GPM10	10"(250mm)	With pins and magnets
GTM10	10"(250mm)	With magnets and machined dovetail tapered fitting
GST10	10"(250mm)	With screw tightened dovetail tapered fitting



[www.dm-tools.cn](http://www.dm-tools.cn)

# GRINDING SHOES

Very aggressive grinding in hard, medium and soft concrete floor.



## Bond

Bond Mark	Floor Mark	Hardness of Bond	color
HB	SF	Hardest	Yellow
HB2	SF2	15% softer than HB	Gold
MB	MF	15% softer than HB2	Black
SB	SF	15% softer than MB	Purple
SB2	SF2	15% softer than SB	Green

## Connector Style

### Husqvarna/Scanmaskin/Klindex

#### Iavina

#### Blastrac

Newgrind	Aritec
HTC	3*9mm/prep master

## Segment Style

Shape	Size
Rain Drop	2T*10mm
Round	2T*40*10*10mm
Rectangle	2T*40*12*12mm
Arrow	2Arrow*12mm
Hexagon	2T*34*16*13mm

## Grit#

16#	30#	60#	120#
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# ROUND GRINDING HEADS

## PCD Round Heads

2 PCD Dry and wet grinding for concrete with perfect performance.



Art.No	Diameter	PCD Segment
RG2PCD80	80mm	1/4*2PCS, Triangle tungsten carbide segment
RG2PCD80	80mm	1/4*2PCS, Triangle tungsten carbide segment



## Other types of PCD heads are available

Art.No	Diameter	PCD Segment
RG1PCD80	80mm	1/4 & Whole PCD
RG1PCD80	80mm	1/4 & Whole PCD

## Round Metal Bond Heads With Threaded Adaptor

10 segments dry and wet grinding for concrete with perfect performance. Designed with medium to hard bond for different concrete with long life and aggressive action.



Art. No	Diameter	Segment Height	Back Pattern	Grit
RMT3016	80mm	7mm	5/8"-11	16/18#
RMT3030	80mm	7mm	5/8"-11	30/40#
RMT3060	80mm	7mm	5/8"-11	60/70#
RMT4016	100mm	7mm	5/8"-11	16/18#
RMT4030	100mm	7mm	5/8"-11	30/40#
RMT4060	100mm	7mm	5/8"-11	60/70#

## Round Metal Bond Heads With Threaded Adaptor

Continuous round segment with slots, wet grinding for concrete with fine grits, Designed with softer bonds for aggressive action.



Art. No	Diameter	Segment Height	Back Pattern	Grit
RMT3100	80mm	7mm	5/8"-11	100/120#
RMT3200	80mm	7mm	5/8"-11	200/230#
RMT3400	80mm	7mm	5/8"-11	400#
RMT4100	100mm	7mm	5/8"-11	100/120#
RMT4200	100mm	7mm	5/8"-11	200/230#
RMT4300	100mm	7mm	5/8"-11	400#

Diamond Blade Problem Solving		
Problem	Probable Causes	Solutions
Diamond Blade Wobbles	Diamond blade is too hard for material being cut, causing overheating	Replace diamond blade with softer bond
	Material jamming into blade	Ensure material is held securely (table saws) or do not force hand held saws into cut
	Excessive cutting pressure, or twisting /jamming of the blade.	use a steady,even pressure without twisting the blade in the cut.
	Overheating	Ensure adequate water supply on both sides of blade,or allow to air cool
	Blade "chatters" in cut as a result of loss of blank tension	See Loss of Tension section.
	Excessive force to start sawing	Replace blade and use saw without any stro force-allow the machine to do the work
	Blade is undercut	See separate entry
Diamond Blade Wobbles	Diamond blade runs at improper speed	Check engine/motor speed
	Diamond blade arbor hole size does not match shaft size	Check diamond blade arbor hole to make sure they are clean,flat and or correct diameter
	Diamond blade is bent as a result of dropping or twisting	Change to new diamond blade
Diamond Segment Loss	Overheating due to lack of water or continuous dry cutting	Ensure adequate water on both sides of blade. For dry cutting,allow the blade to run freely every few minutes
	Steel core is worn from undercutting	Replace blade and use sufficient water to flush out the cut
	Diamond blade is cutting out of round, causing a pounding motion	Replace blade and worn bearing, realign blade shaft or replace worn blade mounting arbor
	Twisting of blade while in the cut	Replace blade and securely hold saw,or ensure job is held firmly
Cracks in Steel Core	Diamond blade flutters in cut as a result of blade losing tension	Replace blade and tighten the blade shaft nut Replace blade and ensure it is running at correct speed and that drive pin is functioning properly
	Diamond blade specification is too hard for material being cut	Replace with correct diamond blade with softer bond to eliminate stresses
	Forcing or twisting the diamond blade in the cut	Replace blade and allow diamond blade to cut freely without force, keeping blade straight
Loss of Tension	Steel core had been overheating as a result of diamond blade spinning on arbor	Tighten the blade shaft nut. Make certain the drive pin is functioning (on concrete saws)
	Diamond blade being used at incorrect RPM	Make certain blade shaft is running at the proper RPM
	Material being cuts moves, twisting blade in cut	Secure material being cut
	Blade flanges too small, allowing blade to flex	Use correct flanges of equal size
	Incorrect mounting on shaft means flanges bend blade when tightened	Make sure blade is securely on arbor shoulder until outside flange and nut are firmly tightened
	Blade overheated	Ensure adequate water If overheating caused by blade spinning, ensure blade tightening nut is tight
	Diamond blade is excessively hard for the material being cut	Use softer bonded diamond blade to educe operating stress
	Short blade life	Replace diamond blade with blade with harder bond
See above for more details	Inadequate water supply	Ensure sufficient water to both sides of blade
Blade cut is wide	Blade is not aligned straight	See how to adjust,using Husqvarna bricksaw as example,here

Diamond Blade Problem Solving		
Problem	Probable Causes	Solutions
Blade cuts slowly	Too much coolant	Reduce coolant
	Bond too hard for material	Use a softer bond blade
	Blade has glazed up	Dress with abrasive material until diamond becomes exposed again
	Machine under powered	Upgrade machine or cut shallow step cuts
Blade Discoloration/Burning	Insufficient coolant	Check sufficient coolant reaching cutting zone.
Diamond Blade Will Not Cut	Diamond blade bond is too hard for material being cut	Select proper specification for material being cut
	Blade not mounted in correct direction	Check directional arrow on blade
	Failure to break in new blade on specific material being cut	Allow blade to open up on the material to be cut when first placing it on the saw.
	Speed too High	Reduce speed. If that's not possible, cut in several passes.
	Insufficient power	Check and tighten belts and make sure adequate horsepower is available
	Diamond blade had become glazed as a result of being used on hard material	Dress with abrasive material until diamond becomes exposed again
	Blade glazed from too much coolant	De glaze blade and reduce coolant
Diamond Blade Worn Out of Round	Shaft Bearings are worn	Replace bearings as required
	Engine is not properly tuned on concrete saws, causing surges in blade rotation	Tune engine according to manufacturers manual
	Blade mounting arbor (hole) is worn or is the wrong size	Replace the worn arbor bushing (or blade if no bush) or arbor shaft.
	Bond is too hard for material, casing pounding	Use proper diamond blade specification
Diamond Blade Will Not Cut	Insufficient water in wet cutting	Ensure water distribution to both sides of diamond blade
	Saw is misaligned	Check saw head alignment and shaft alignment
Blade worn to knife edge	Blade shaft is out of alignment	See how to adjust, using Husqvarna brick saw as example, here
Diamond Blade Arbor Hole Out of Round	Blade flange is not properly tightened	Make certain that the blade is adequately secured
	Blade flange is worn or dirty, not allowing proper blade clamping	Clean blade flanges, making sure they are not worn
	Diamond blade is not properly mounted	Make certain the blade is mounted on the correct shaft diameter before tightening shaft nut. Ensure the pin hole slides over the drive pin
Undercutting the Steel Core	Caused by abrasive debris in the cut wearing away steel core. Will eventually cause segment loss.	Use a blade with proper undercut protection
		Provide adequate water to the steel core, especially for deep cuts
		Avoid cutting into sub base

# Factory Overview

## Automatic Pressing



## Hot Pressed Sintering



## Dr.Fisher Laser Welding Machinery



## Diamond Blade Speed (RPM) Recommendations

Diameter	M/S					
	40	50	63	80	100	125
105	7630	9540	12000	15200	19000	23800
115	6640	8300	10400	13200	16600	20700
125	6110	7630	9620	12200	15200	19000
150	5090	6360	8020	10100	12700	15900
180	4240	5300	6680	8480	10600	13200
200	3810	4770	6010	7630	9540	11900
230	3320	4150	5230	6640	8300	10300
250	3050	3810	4810	6110	7630	9540
300	2540	3180	4010	5090	6360	7950
350	2180	2720	3430	4360	5450	6820
400	1900	2380	3000	3810	4770	5960
450	1690	2120	2670	3390	4240	5300
500	1520	1900	2400	3050	3810	4770
600	1270	1590	2000	2540	3180	3970

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