

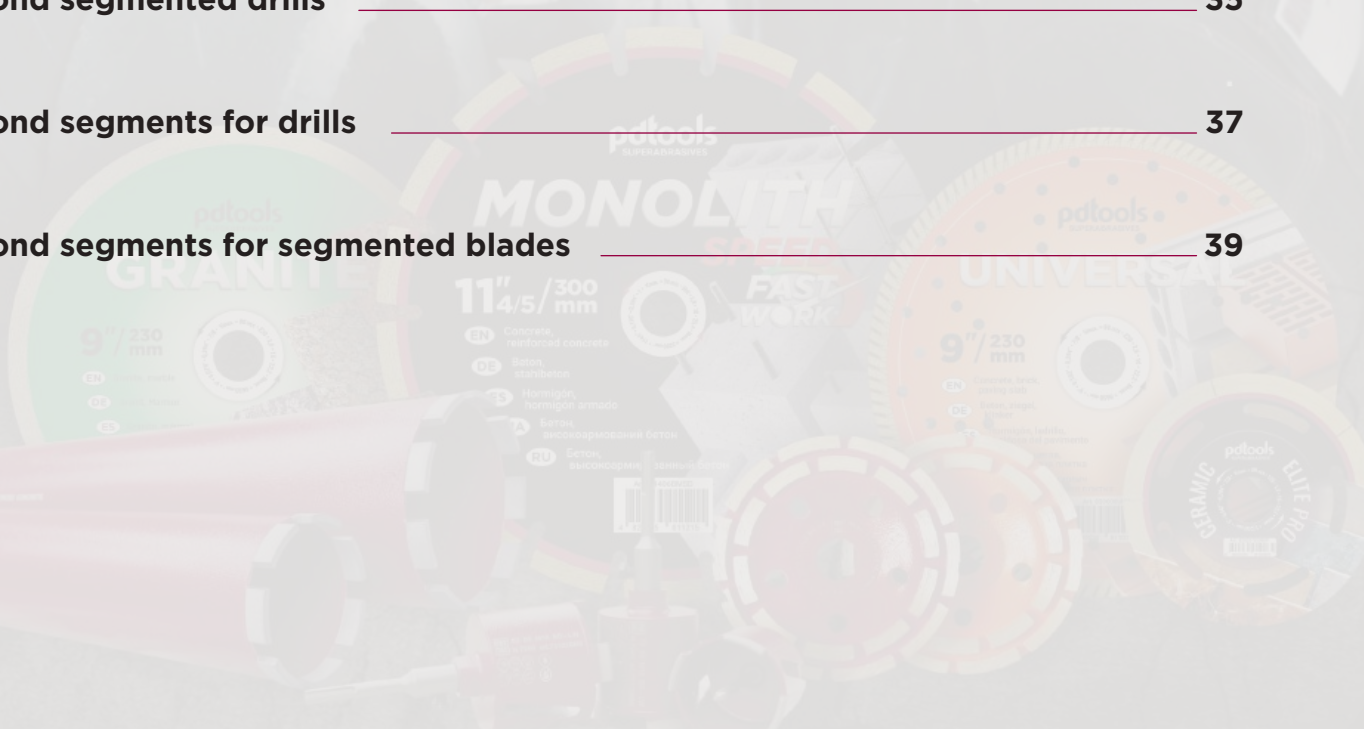
pdtools
SUPERABRASIVES

DIAMOND TOOLS

for construction
and stone processing

CATALOG CONTENTS

General recommendations for the use of cutting wheels	5
Signs and designations on the tool label	6
Diamond Tool Packaging	7
Blades for cutting ceramic and porcelain tiles	9
Blades for cutting reinforced and highly reinforced concrete	17
Blades for cutting concrete, brick, tiles, paving slabs	25
Blades for cutting highly abrasive materials	27
Blades for cutting natural stone - granite, marble, sandstone	29
Diamond core drills for electric drills. Diamond cutters CONCRETE	33
Diamond segmented drills	35
Diamond segments for drills	37
Diamond segments for segmented blades	39

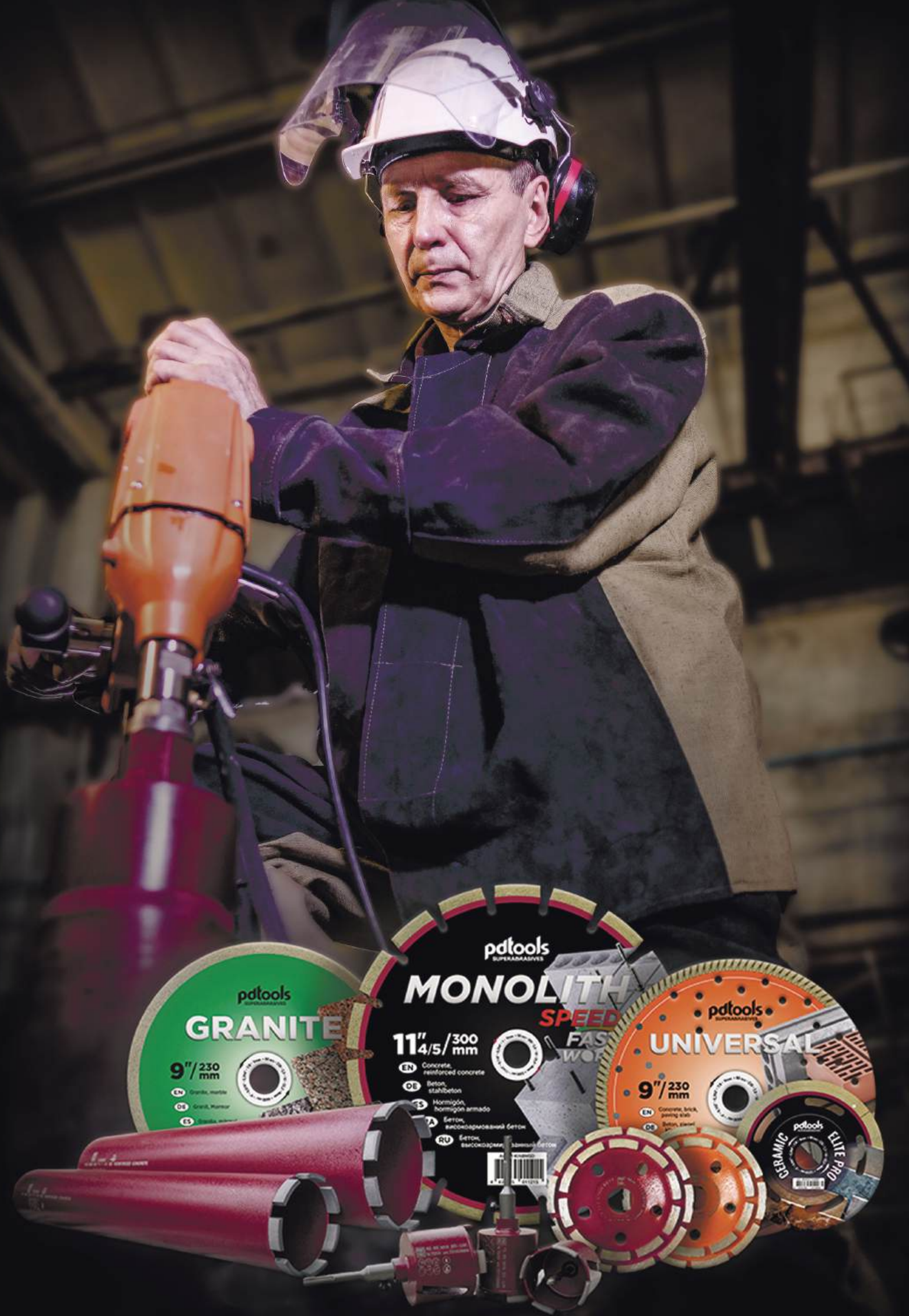


MISSION:

Our mission is to be an asset to our clients by supplying them with the highest quality professional diamond and CBN tools that maximize benefits due to innovative production technology and impeccable service provided by our professional team.



Every year our company produces hundreds of thousands of product units and supplies them to more than 70 countries worldwide.



pdtools
GRANITE
9" / 230 mm

- EN Granite, marble
- DE Granit, Marmor
- ES Granito, mármol

pdtools
MONOLITH
SPEED
FAS WORK
11 4/5" / 300 mm

- EN Concrete, reinforced concrete
- DE Beton, Stahlbeton
- ES Hormigón, hormigón armado
- RU Бетон, армированный бетон

pdtools
UNIVERSAL
9" / 230 mm

- EN Concrete, brick, paving slab
- DE Beton, Ziegel

pdtools
CERAMIC
ELITE PRO



GENERAL RECOMMENDATIONS FOR THE USE OF CUTTING BLADES

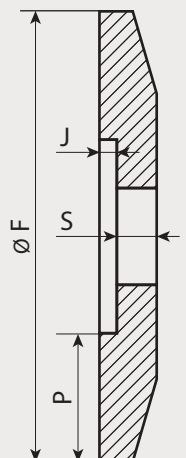
1. A correctly selected tool significantly reduces the cost of work. It is necessary to proceed not from the price of the tool, but from all the restrictions on carrying out work with the tool.
2. If productivity decreases, it is necessary to open the diamond layer (sharpen the wheel). Work briefly on any abrasive material - abrasive wheel, sand-lime brick, asphalt.
3. Despite the fact that diamond is the hardest material in nature, it nevertheless has increased fragility. When working with a diamond tool, shock loads that may occur if the tool is used incorrectly are not allowed.

Conversion table of speeds for blades with a diameter of 300-600 mm.

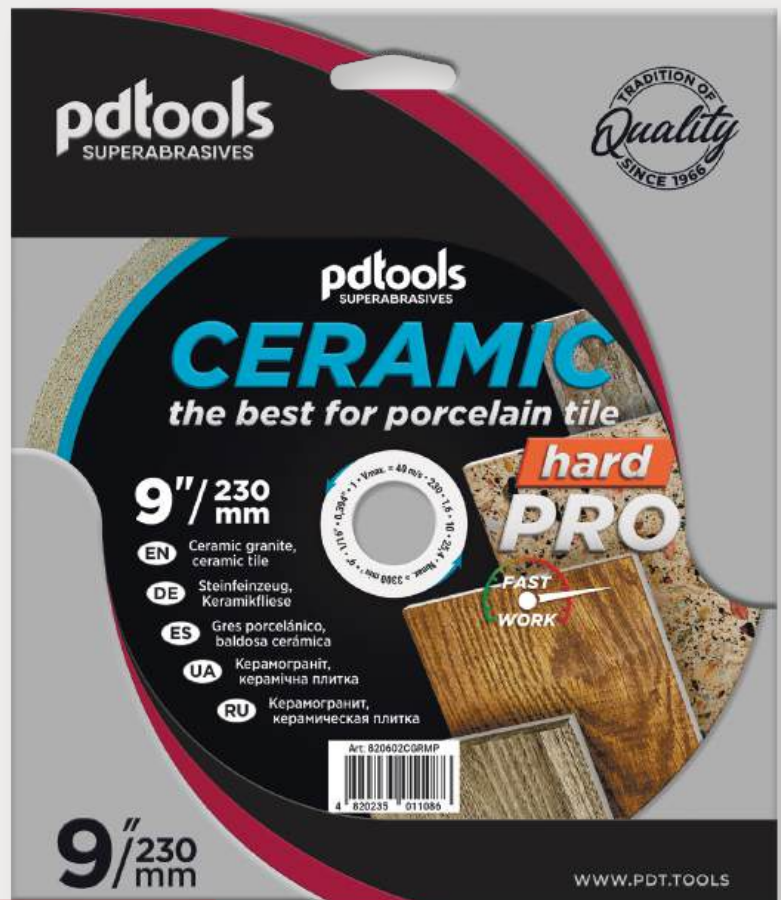
Blades diameter		Linear speed, m/s						
		35	40	45	50	60	80	100
mm	inch	Working shaft speed, rpm						
300	12	2200	2500	2860	3200	3800	5090	6360
350	14	1900	2200	2450	2700	3250	4360	5450
400	16	1650	1900	2140	2400	2850	3820	4770
450	18	1500	1700	1910	2100	2500	3390	4240
500	20	1600	1500	1710	1900	2300	3050	3820
600	24	1100	1250	1430	1600	1900	2550	3180

To achieve maximum operating efficiency on stationary equipment, the following recommendations must be observed:

Blades diameter		Water supply, l/min	Maximum cutting depth		Flange dimensions							
					min \varnothing F		P		S		J	
					mm	inch	mm	inch	mm	inch	mm	inch
300	12	10 - 15	110	4,331	80	3,150	15	0,591	15	0,591	2	0,078
350	14	10 - 15	115	4,527	120	4,724	15	0,591	15	0,591	2	0,078
400	16	10 - 15	130	5,118	140	5,512	15	0,591	15	0,591	2	0,078
450	18	15 - 20	155	6,102	140	5,512	15	0,591	15	0,591	2	0,078
500	20	15 - 20	170	6,693	160	6,299	20	0,787	16	0,630	2	0,078
600	24	20 - 30	210	8,268	180	7,087	20	0,787	16	0,630	2	0,078



We care about the correct and safe use of our tools, so all the reference information on the use of the tool and information on compliance with safety regulations when working with diamond tools is set in the instructions that are inside the package.

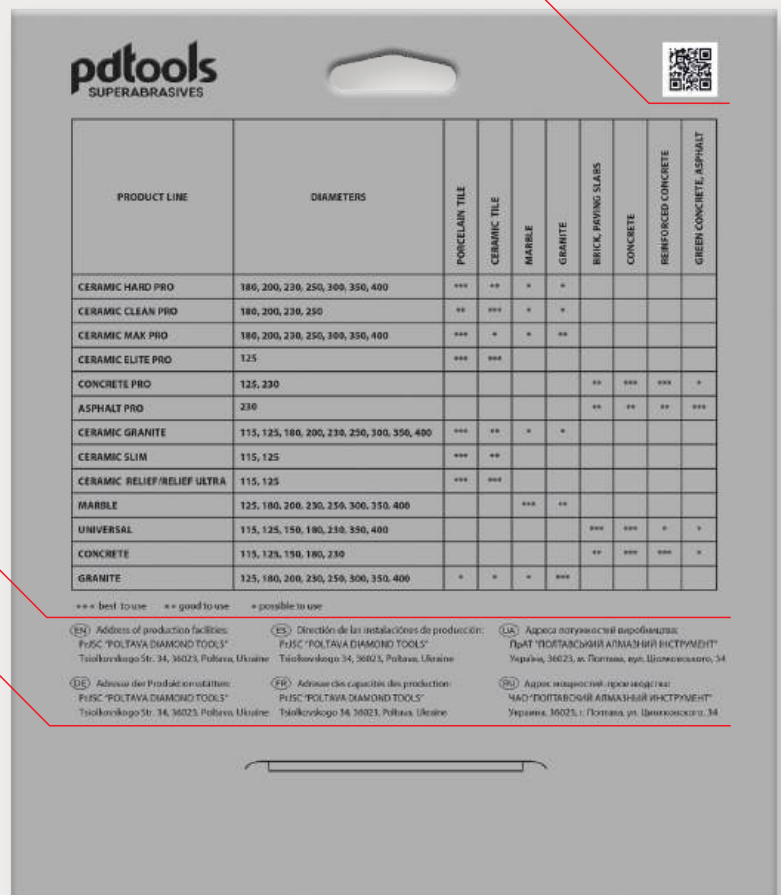


1

2

3

4



1. Diameter of the blade.

2. Additional information from the manufacturer's website.

3. General information on all types and product lines of wheels.

4. Address of production facilities.



CERAMIC GRANITE:

- high performance;
- stable performance;
- optimal for cutting tiles up to 12 mm thick.

CUTTING CERAMIC AND PORCELAIN TILES



MATERIALS:

- Porcelain tiles, ceramic tiles, granite.

APPLICATION:

- Stationary equipment, tile cutters.

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820401CRMG	180	7	1,6	1/16	10	0,394	25,4	1	3400
820501CRMG	200	8	1,6	1/16	10	0,394	25,4	1	3050
820602CRMG	230	9	1,6	1/16	10	0,394	25,4	1	3300
820701CRMG	250	10	1,6	1/16	10	0,394	25,4	1	3050
820804CRMG	300	12	2,2	0,087	10	0,394	32	1,260	3200
820904CRMG	350	14	2,2	0,087	10	0,394	32	1,260	3450
820905CRMG	400	16	2,2	0,087	10	0,394	32	1,260	3000
820803CRMG	300	12	2,2	0,087	10	0,394	60	2,362	3200
820901CRMG	350	14	2,2	0,087	10	0,394	60	2,362	3450
820903CRMG	400	16	2,2	0,087	10	0,394	60	2,362	3000

*Coolant is mandatory

Achieve maximum productivity and the best quality with the PDTools superabrasives range of diamond cutting wheels.

Innovation in every blade:

We constantly monitor the latest trends and engineering developments to ensure that our blades always remain at the forefront of technological progress.

With us you will have the most modern tools, and minimal effort will provide you with the best results. Our wide range of blades will allow you to choose exactly what you need, and will also certainly show unsurpassed quality and efficiency.



CERAMIC HARD PRO:

- high productivity when working with hard materials;
- increased cut cleanliness;
- smooth operation.

CERAMIC MAX PRO:

- high speed of operation;
- prevention of overheating;
- stable work;
- versatility;
- allows you to work with tiles up to 20 mm thick.

CERAMIC CLEAN PRO:

- thin and clean cut of coated ceramic tiles;
- segmented layer;
- housing reinforced with flanges.

CUTTING CERAMIC AND PORCELAIN TILES



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Stationary equipment, tile cutters.

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820401CRMHP	180	7	1,6	1/16	10	0,394	25,4	1	3400
820501CRMHP	200	8	1,6	1/16	10	0,394	25,4	1	3050
820602CRMHP	230	9	1,6	1/16	10	0,394	25,4	1	3300
820701CRMHP	250	10	1,6	1/16	10	0,394	25,4	1	3050
820804CRMHP	300	12	2,2	0,087	10	0,394	32	1,260	3200
820904CRMHP	350	14	2,2	0,087	10	0,394	32	1,260	3450
820905CRMHP	400	16	2,2	0,087	10	0,394	32	1,260	3000

*Coolant is mandatory



MATERIALS:

- Porcelain tiles, marble, granite.

APPLICATION:

- Stationary equipment, tile cutters.

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820404CRMmP	180	7	1,6	1/16	10	0,394	25,4	1	3400
820504CRMmP	200	8	1,6	1/16	10	0,394	25,4	1	3050
820604CRMmP	230	9	1,6	1/16	10	0,394	25,4	1	3300
820704CRMmP	250	10	1,6	1/16	10	0,394	25,4	1	3050
820807CRMmP	300	12	2,2	0,087	10	0,394	32	1,260	3200
820908CRMmP	350	14	2,2	0,087	10	0,394	32	1,260	3450
820909CRMmP	400	16	2,2	0,087	10	0,394	32	1,260	3000

*Coolant is mandatory



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Stationary equipment, tile cutters.

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820403CCP	180	7	1,2	0,047	7	0,276	25,4	1	3400
820503CCP	200	8	1,2	0,047	7	0,276	25,4	1	3050
820603CCP	230	9	1,2	0,047	7	0,276	25,4	1	3300
820703CCP	250	10	1,2	0,047	7	0,276	25,4	1	3050

*Coolant is mandatory

A close-up photograph of a hand wearing a black and white work glove operating an angle grinder. The angle grinder has a grey body and an orange handle. The cutting disc is in contact with a piece of wood on a workbench. The background is blurred, showing a workshop environment with wooden planks.

CERAMIC SLIM:

- fast and thin cut;
- minimal load on the tool;
- layer thickness 1,2 mm.

CERAMIC RELIEF:

- stability of work;
- thin and fast cut;
- increased cooling.

CERAMIC RELIEF ULTRA:

- increased cooling;
- saving time;
- variety of applications;
- fine cut.

CUTTING CERAMIC AND PORCELAIN TILES



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820101CRMSu	115	4,5	1,2	0,047	10	0,394	22,2	7/8	13300
820203CRMSu	125	5	1,2	0,047	10	0,394	22,2	7/8	12250

*Operation without cooling



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820108RLF	115	4,5	1,4	0,055	10	0,394	22,2	7/8	13300
820204RLF	125	5	1,4	0,055	10	0,394	22,2	7/8	12250

*Operation without cooling



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820109RLFU	115	4,5	1,2	0,047	10	0,394	22,2	7/8	13300
820205RLFU	125	5	1,2	0,047	10	0,394	22,2	7/8	12250

*Operation without cooling



CERAMIC GRANITE:

- high performance;
- high cutting speed;
- optimal for cutting tiles up to 12 mm thick.

CERAMIC ELITE PRO:

- layer thickness 1,2 mm;
- segmented layer;
- high cutting speed;
- cleanliness of the cut;
- reinforced body;
- applicability to different types of tiles.

CLEAN EDGE:

- layer height 25 mm;
- efficient angles cutting up to 45°;
- fast and clean cutting;
- stable operation.

CUTTING CERAMIC AND PORCELAIN TILES



MATERIALS:

- Porcelain tiles, ceramic tiles, granite.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820100CRMGU	115	4,5	1,4	0,055	10	0,394	22,2	7/8	13300
820200CRMGU	125	5	1,4	0,055	10	0,394	22,2	7/8	12250
820402CRMGU	180	7	1,6	1/16	10	0,394	22,2	7/8	8600
820601CRMGU	230	9	2,0	0,079	10	0,394	22,2	7/8	6650

*Operation without cooling



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820102CGREP	115	4,5	1,2	0,047	10	0,394	22,2	7/8	13300
820207CGREP	125	5	1,2	0,047	10	0,394	22,2	7/8	12250

*Operation without cooling

Achieve maximum performance

with the **Ceramic Elite PRO** line of ceramic blades.

These innovative wheels feature a segmented grit size of 1.2 mm, for fast cutting speeds and clean results.



MATERIALS:

- Porcelain tiles, ceramic tiles.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820206CRMCA	125	5	1,8	0,070	25	1	22,2	7/8	12250

*Operation without cooling

Achieve the highest level of performance with the **CLEAN EDGE** line.

These blades provide incredible cutting speed and clean results even when chamfering up to 45°.



MONOLITH FORCE:

- high concrete working efficiency;
- long service life;
- reliable segment connection;
- hardened metal casing.

MONOLITH SPEED:

- increased working speed;
- segments secured by laser welding;
- enhanced durability.

MONOLITH AIR:

- improved blade cooling;
- multi-purpose;
- improved shape of the segment;
- balanced efficiency.



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71406BMFC	300	12	2,8	0,110	10	0,394	25,4	1	5-9
71407BMFC	350	14	3,2	1/8	10	0,394	25,4	1	5-9
71408BMFC	400	16	3,5	0,138	10	0,394	25,4	1	9-12
71409BMFC	450	18	3,8	0,150	10	0,394	25,4	1	9-12
71410BMFC	500	20	3,8	0,150	10	0,394	25,4	1	13-15
71411BMHD	600	24	4,5	0,177	10	0,394	25,4	1	15-20

*Coolant is mandatory



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71406BMSD	300	12	2,8	0,110	10	0,394	25,4	1	5-9
71407BMSD	350	14	3,2	1/8	10	0,394	25,4	1	5-9
71408BMSD	400	16	3,5	0,138	10	0,394	25,4	1	9-12
71409BMSD	450	18	3,8	0,150	10	0,394	25,4	1	9-12

*Coolant is mandatory



MATERIALS:

- Concrete, brick, highly reinforced concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
61533BAIR	600	24	4,5	0,177	12	0,472	35	1,378	15-20
61539BAIR	700	28	4,5	0,177	12	0,472	35	1,378	15-20
61545BAIR	800	32	4,5	0,177	12	0,472	35	1,378	15-20
61551BAIR	900	35	4,5	0,177	12	0,472	35	1,378	20-25
61557BAIR	1000	39	4,5	0,177	12	0,472	35	1,378	20-25
61563BAIR	1100	43	4,5	0,177	12	0,472	35	1,378	22-30
61569BAIR	1200	47	4,5	0,177	12	0,472	35	1,378	22-30

*Coolant is mandatory



MONOLITH HARD MAX:

- high concrete working efficiency;
- long service life;
- reliable segment connection;
- core made of hardened steel.

MONOLITH HARD PRO:

- increased working speed;
- laser welded segments;
- enhanced durability.

MONOLITH SOFT PRO:

- efficient cooling of the wheel;
- laser welded segments;
- improved shape of the segments;
- balanced performance.



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71102BMHM	410	16	3,5	0,138	15	0,591	25,4	1	9-12
71103BMHM	460	18	3,8	0,150	15	0,591	25,4	1	9-12
71104BMHM	510	20	3,8	0,150	15	0,591	25,4	1	13-20
71105BMHM	610	24	4,5	0,177	15	0,591	25,4	1	15-20

*Coolant is mandatory



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71102B	410	16	3,5	0,138	15	0,591	25,4	1	12-15
71403B	460	18	3,8	0,150	15	0,591	25,4	1	12-15
71104B	510	20	3,8	0,150	15	0,591	25,4	1	25-40
71405B	610	24	4,5	0,177	15	0,591	25,4	1	25-40

*Coolant is mandatory



MATERIALS:

- Concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71402B	410	16	3,5	0,138	15	0,591	25,4	1	12-15
71403B	460	18	3,8	0,150	15	0,591	25,4	1	12-15
71404B	510	20	3,8	0,150	15	0,591	25,4	1	25-40
71405B	610	24	4,5	0,177	15	0,591	25,4	1	25-40

*Coolant is mandatory



CONCRETE PRO TURBO:

- effective cutting of reinforced concrete;
- improved productivity;
- quick task execution;
- maximum ease of use with manual tools.

CONCRETE PRO 1A1RSS:

- increased resource;
- improved segment;
- laser welded segments.



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
810202TCRPu	125	5	2,2	0,087	10	0,394	22,2	7/8	12250
810602TCRPu	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

*Operation without cooling



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
71603BCPRO	230	9	2,6	0,102	12	0,472	22,2	7/8	6650

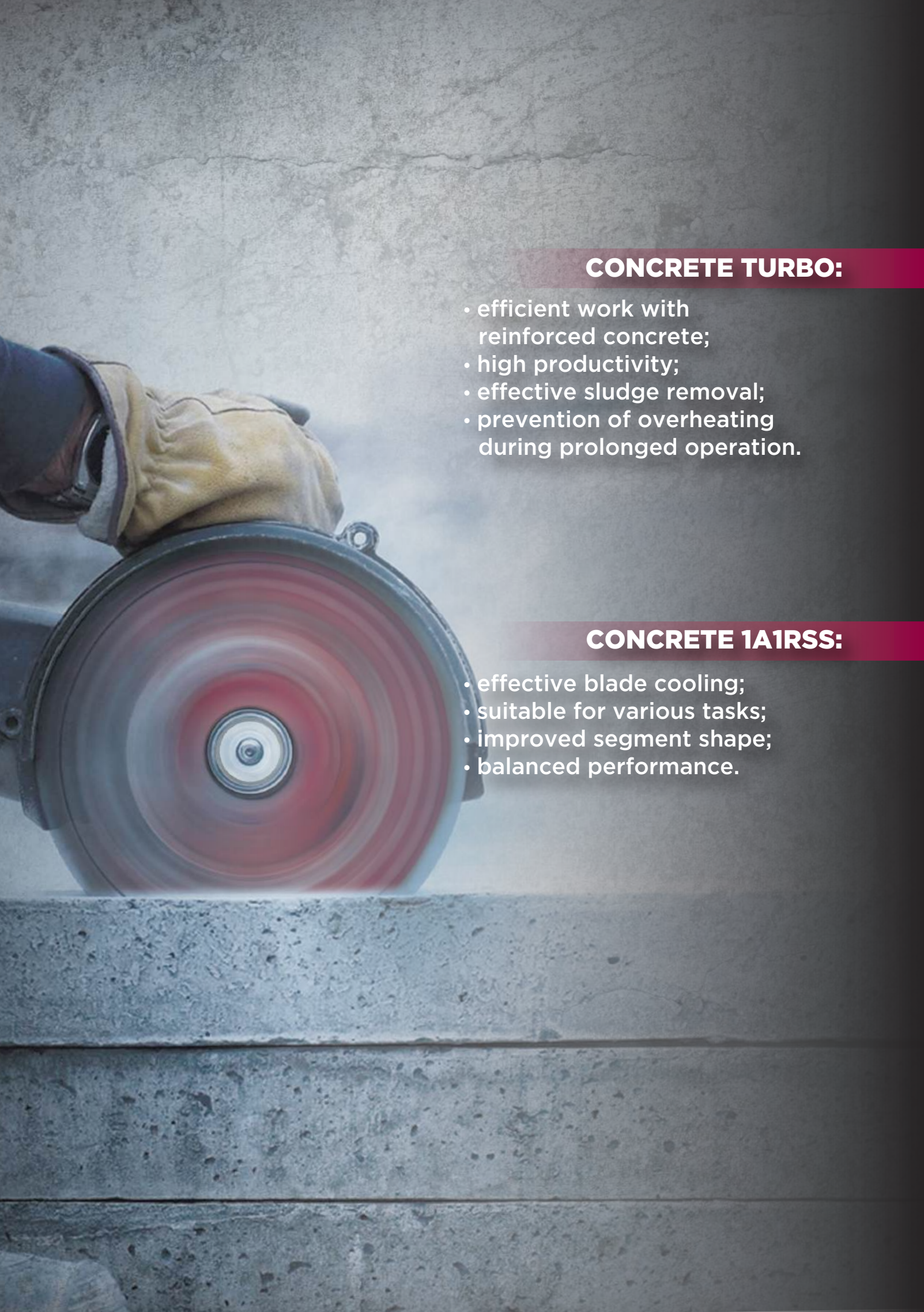
*Operation without cooling

Achieve maximum productivity and the best quality with the PDTools superabrasives range of diamond cutting wheels.

Innovation in every blade:

We constantly monitor the latest trends and engineering developments to ensure that our blades always remain at the forefront of technological progress.

With us you will have the most modern tools, and minimal effort will provide you with the best results. Our wide range of blades will allow you to choose exactly what you need, and will also certainly show unsurpassed quality and efficiency.



CONCRETE TURBO:

- efficient work with reinforced concrete;
- high productivity;
- effective sludge removal;
- prevention of overheating during prolonged operation.

CONCRETE 1A1RSS:

- effective blade cooling;
- suitable for various tasks;
- improved segment shape;
- balanced performance.



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
810100TCRTu	115	4,5	2,2	0,087	8	0,315	22,2	7/8	13300
810200TCRTu	125	5	2,2	0,087	8	0,315	22,2	7/8	12250
810300TCRTu	150	6	2,2	0,087	10	0,394	22,2	7/8	10200
810400TCRTu	180	7	2,6	0,102	10	0,394	22,2	7/8	8600
810600TCRTu	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

**Operation without cooling*



MATERIALS:

- Concrete, highly reinforced concrete.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
830100CRTu	115	4,5	2,2	0,087	10	0,394	22,2	7/8	13300
830200CRTu	125	5	2,2	0,087	10	0,394	22,2	7/8	12250
830601CRTSu	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

**Operation without cooling*

Achieve maximum productivity and the best quality with the PDTools superabrasives range of diamond cutting wheels.

Innovation in every blade:

We constantly monitor the latest trends and engineering developments to ensure that our blades always remain at the forefront of technological progress.

With us you will have the most modern tools, and minimal effort will provide you with the best results. Our wide range of blades will allow you to choose exactly what you need, and will also certainly show unsurpassed quality and efficiency.



UNIVERSAL 1A1RSS:

- universal application;
- segments are attached to the body by laser welding;
- high segment density;

UNIVERSAL TURBO:

- optimized layer shape;
- cutting of reinforcement up to 10 mm;
- effective sludge discharge;
- perforated housing for cooling.

UNIVERSAL 1A1RSS:

- improved segment shape;
- additional perforation and slots for cooling;
- versatility in application.

9" / 230 mm

EN Concrete, brick, paving slab
DE Beton, Ziegel, Klinker
ES Hormigón, ladrillo, baldosa del pavimento
UA Бетон, цегла, тротуарна плитка
RU Бетон, кирпич, тротуарная плитка

Art. 830600UNV
830235 011079

CUTTING CONCRETE, BRICK, ROOF TILES, AND PAVERS



MATERIALS:

- Concrete, roof tiles, brick, pavers.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71406BUNV	300	12	2,8	0,110	10	0,394	25,4	1	5-9
71407BUNV	350	14	3,2	1/8	10	0,394	25,4	1	5-9
71408BUNV	400	16	3,5	0,138	10	0,394	25,4	1	9-12
71409BUNV	450	18	3,8	0,150	10	0,394	25,4	1	9-12
71410BUNV	500	20	3,8	0,150	10	0,394	25,4	1	13-15
71411BUNV	600	24	4,5	0,177	10	0,394	25,4	1	15-20

*Coolant is mandatory



MATERIALS:

- Concrete, roof tiles, brick, pavers.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
810100TUNVU	115	4,5	2,2	0,087	8	0,315	22,2	7/8	13300
810200TUNVU	125	5	2,2	0,087	8	0,315	22,2	7/8	12250
810300TUNVU	150	6	2,2	0,087	10	0,394	22,2	7/8	10200
810400TUNVU	180	7	2,6	0,102	10	0,394	22,2	7/8	8600
810600TUNVU	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

*Operation without cooling



MATERIALS:

- Concrete, roof tiles, brick, pavers.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
830100UNVU	115	4,5	2,2	0,087	10	0,394	22,2	7/8	13300
830200UNVU	125	5	2,2	0,087	10	0,394	22,2	7/8	12250
830300UNVU	150	6	2,2	0,087	10	0,394	22,2	7/8	10200
830400UNVU	180	7	2,4	0,094	10	0,394	22,2	7/8	8600
830600UNVU	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

*Operation without cooling



ASPHALT 1A1RSS:

- segments are secured by laser welding;
- optimal blade for cutting abrasive materials;
- protective segments to prevent casing wear.

ASPHALT PRO 1A1RSS:

- working with highly abrasive materials;
- increased durability and cutting speed;
- improved segment design.

CUTTING MATERIALS WITH HIGH ABRASIVENESS



MATERIALS:

- Asphalt, fresh concrete.

APPLICATION:

- Gasoline cutoff saws, concrete saws.

Code	Diameter		Thickness		Height		Arbor size		p kW
	mm	inch	mm	inch	mm	inch	mm	inch	
71300BASP	300	12	2,8	0,110	10	0,394	25,4	1	5-9
71301BASP	350	14	3,2	1/8	10	0,394	25,4	1	5-9
71302BASP	400	16	3,5	0,138	10	0,394	25,4	1	9-12
71303BASP	450	18	3,8	0,150	10	0,394	25,4	1	9-12
71304BASP	500	20	3,8	0,150	10	0,394	25,4	1	13-15
71305BASP	600	24	4,5	0,177	10	0,394	25,4	1	15-20

*Coolant is mandatory



MATERIALS:

- Asphalt, fresh concrete.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
71603BAPRO	230	9	2,6	0,102	12	0,472	22,2	7/8	6650

*Operation without cooling

Professionals in need of reliable tools for working with highly abrasive materials, attention!

We introduce diamond blades for cutting asphalt with outstanding characteristics. A diamond-rich composition and an improved segment design ensure the highest durability and increased cutting speed. Regardless of the scale of the task, our blades will allow you to work more efficiently and with ease.

Trust in innovation and achieve incredible results with our diamond blades for cutting asphalt!

MARBLE:

- high cutting speed;
- stability of operation;
- minimal wear.

GRANITE

- cutting speed;
- stability of operation;
- high durability.

GRANITE PRO TURBO:

- high efficiency
in processing granite;
- quick task execution;
- minimal wear.



CUTTING NATURAL STONE: GRANITE, MARBLE, SANDSTONE



MATERIALS:

- Marble, sandstone.

APPLICATION:

- Stationary equipment, tile cutters.

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820401CMR	180	7	1,6	1/16	10	0,394	25,4	1	3400
820501CMR	200	8	1,6	1/16	10	0,394	25,4	1	3050
820602CMR	230	9	1,6	1/16	10	0,394	25,4	1	3300
820701CMR	250	10	1,6	1/16	10	0,394	25,4	1	3050
820804CMR	300	12	2,2	0,087	10	0,394	32	1,260	3200
820904CMR	350	14	2,2	0,087	10	0,394	32	1,260	3450
820905CMR	400	16	2,2	0,087	10	0,394	32	1,260	3000
820803CMR	300	12	2,2	0,087	10	0,394	60	2,362	3200
820901CMR	350	14	2,2	0,087	10	0,394	60	2,362	3450
820903CMR	400	16	2,2	0,087	10	0,394	60	2,362	3000

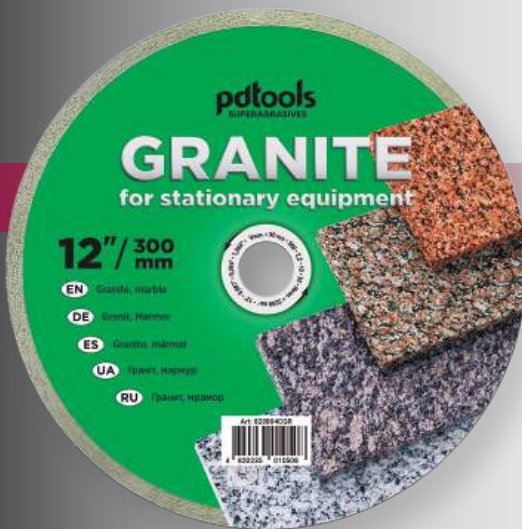
*Cooling is recommended

MATERIALS:

- Granite, marble.

APPLICATION:

- Stationary equipment, tile cutters.



Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820401CGR	180	7	1,6	1/16	10	0,394	25,4	1	3400
820501CGR	200	8	1,6	1/16	10	0,394	25,4	1	3050
820602CGR	230	9	1,6	1/16	10	0,394	25,4	1	3300
820701CGR	250	10	1,6	1/16	10	0,394	25,4	1	3050
820804CGR	300	12	2,2	0,087	10	0,394	32	1,260	3200
820904CGR	350	14	2,2	0,087	10	0,394	32	1,260	3450
820905CGR	400	16	2,2	0,087	10	0,394	32	1,260	3000
820803CGR	300	12	2,2	0,087	10	0,394	60	2,362	3200
820901CGR	350	14	2,2	0,087	10	0,394	60	2,362	3450
820903CGR	400	16	2,2	0,087	10	0,394	60	2,362	3000

*Cooling is recommended

MATERIALS:

- Granite.

APPLICATION:

- Working with hand tools (angle grinders).



Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
810202TGRPu	125	5	2,2	0,087	10	0,394	22,2	7/8	12250
810602TGRPu	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

*Operation without cooling



GRANITE TURBO:

- well-designed blades;
- optimized layer shape;
- ideal for all types of granite.

MARBLE:

- reliability and efficiency;
- minimal wear;
- ideal for all types of marble.

GRANITE:

- versatility;
- stability of operation;
- productivity.

CUTTING NATURAL STONE: GRANITE, MARBLE, SANDSTONE



MATERIALS:

- Granite, marble.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
810100TGRu	115	4,5	2,2	0,087	8	0,315	22,2	7/8	13300
810200TGRu	125	5	2,2	0,087	8	0,315	22,2	7/8	12250
810300TGRu	150	6	2,2	0,087	10	0,394	22,2	7/8	10200
810400TGRu	180	7	2,6	0,102	10	0,394	22,2	7/8	8600
810600TGRu	230	9	2,6	0,102	10	0,394	22,2	7/8	6650

*Operation without cooling



MATERIALS:

- Marble, sandstone.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820100CMRu	115	4,5	1,4	0,055	10	0,394	22,2	7/8	13300
820200CMRu	125	5	1,4	0,055	10	0,394	22,2	7/8	12250
820402CMRu	180	7	1,6	1/16	10	0,394	22,2	7/8	8600
820601CMRu	230	9	2,0	0,079	10	0,394	22,2	7/8	6650

*Operation without cooling



MATERIALS:

- Granite, marble.

APPLICATION:

- Working with hand tools (angle grinders).

Code	Diameter		Thickness		Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch	mm	inch	mm	inch	mm	inch	
820100CGRu	115	4,5	1,4	0,055	10	0,394	22,2	7/8	13300
820200CGRu	125	5	1,4	0,055	10	0,394	22,2	7/8	12250
820402CGRu	180	7	1,6	1/16	10	0,394	22,2	7/8	8600
820601CGRu	230	9	2,0	0,079	10	0,394	22,2	7/8	6650

*Operation without cooling



CORE DRILL BITS:

- high drilling speed;
- drilling at an angle;
- long service life;
- minimal formation of cracks and chips.



CONCRETE MILLING CUTTER:

- productivity;
- versatility;
- efficient removal of concrete build-ups;
- effective removal of old coatings.

CONCRETE PLUS MILLING CUTTER:

- increased durability;
- professional results;
- high productivity;
- effective removal of old coatings.

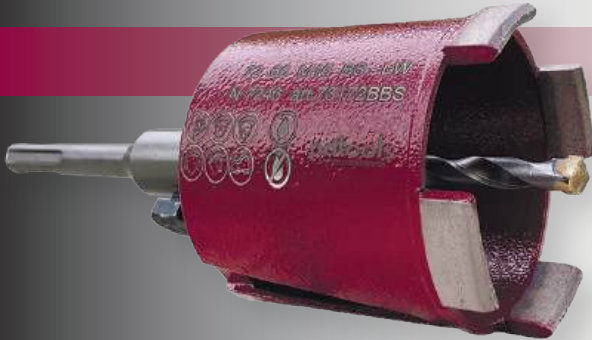
DIAMOND DRILLS FOR ELECTRIC DRILLS DIAMOND MILLING CUTTERS FOR CONCRETE

MATERIALS:

- Brick, reinforced concrete, and etc.

APPLICATION:

- Working with hand tools (angle grinders).



Code	Drill Diameter		Mounting
	mm	inch	
73068BBS	68	2,677	M16
73072BBS	72	2,835	M16
73082BBS	82	3,228	M16
With SDS adapter and carbide drill			
73168BBS	68	2,677	SDS plus
73172BBS	72	2,835	SDS plus
73182BBS	82	3,228	SDS plus

**Operation without cooling*

MATERIALS:

- Concrete (grinding).

APPLICATION:

- Working with hand tools (angle grinders).



Code	Diameter		Number of segments, pcs	Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch		mm	inch	mm	inch	
65101ACRT	100	4	20	6	0,236	22,2	7/8	12250
65002ACRT	125	5	20	6	0,236	22,2	7/8	12250
65151ACRT	150	6	24	6	0,236	22,2	7/8	10200
65181ACRT	180	7	28	6	0,236	22,2	7/8	8600
65231ACRT	230	9	36	6	0,236	22,2	7/8	6650

**Operation without cooling*

MATERIALS:

- Concrete (grinding).

APPLICATION:

- Working with hand tools (angle grinders).



Code	Diameter		Number of segments, pcs	Height		Arbor size		N _{max} (min ⁻¹)
	mm	inch		mm	inch	mm	inch	
65100ACRTP	100	4	20	8	0,315	22,2	7/8	12250
65001ACRTP	125	5	20	8	0,315	22,2	7/8	12250
65150ACRTP	150	6	24	8	0,315	22,2	7/8	10200
65180ACRTP	180	7	28	8	0,315	22,2	7/8	8600
65230ACRTP	230	9	36	8	0,315	22,2	7/8	6650

**Operation without cooling*



SEGMENTED DRILLS:

- high drilling speed;
- productivity on complex surfaces;
- quality work with highly reinforced concrete.



MATERIALS:

- Concrete, reinforced concrete.

APPLICATION:

- Work on medium-power drilling rigs.

NOTE:

- For drills with laser-welded segments, short-term drilling without cooling is permissible.

Segment type	Application
BH	Drill with high-speed drilling segments for reinforced concrete.
BS	Drill with high-speed drilling segments for strong highly reinforced concrete. It has an increased working lifespan.
BSH	Drill with high-speed drilling segments for strong highly reinforced concrete. It has the highest working lifespan.

Code	Drill diameter		Number of segments	Drill length		Segment size		Mounting
	mm	inch		mm	inch	mm	inch	
73003BBS	52	2.047	5	450	18	24x3,5x11	0,9x0,14x0,4	1 1/4"
73005BBS	62	2.441	6	450	18	24x3,5x11	0,9x0,14x0,4	
73006BBS	68	2.677	6	450	18	24x3,5x11	0,9x0,14x0,4	
73007BBS	72	2.835	6	450	18	24x3,5x11	0,9x0,14x0,4	
73008BBS	77	3.032	7	450	18	24x3,5x11	0,9x0,14x0,4	
73009BBS	82	3.228	7	450	18	24x3,5x11	0,9x0,14x0,4	
73010BBS	92	3.622	8	450	18	24x3,5x11	0,9x0,14x0,4	
73011BBS	102	4.016	9	450	18	24x3,5x11	0,9x0,14x0,4	
73012BBS	112	4.409	9	450	18	24x3,5x11	0,9x0,14x0,4	
73013BBS	122	4.803	10	450	18	24x3,5x11	0,9x0,14x0,4	
73014BBS	132	5.197	10	450	18	24x4x11	0,9x0,16x0,4	
73015BBS	142	5.591	12	450	18	24x4x11	0,9x0,16x0,4	
73016BBS	152	5.984	12	450	18	24x4x11	0,9x0,16x0,4	
73017BBS	162	6.378	12	450	18	24x4x11	0,9x0,16x0,4	
73018BBS	172	6.772	13	450	18	24x4x11	0,9x0,16x0,4	
73019BBS	182	7.165	13	450	18	24x4x11	0,9x0,16x0,4	
73020BBS	200	7.874	14	450	18	24x4,5x11	0,9x0,18x0,4	
73021BBS	225	8.858	15	450	18	24x4,5x11	0,9x0,18x0,4	
73022BBS	250	9.843	20	450	18	24x4,5x11	0,9x0,18x0,4	
73023BBS	302	11.890	24	450	18	20x5x11	0,8x0,20x0,4	
73024BBS	320	12.598	24	450	18	20x5x11	0,8x0,20x0,4	
73025BBS	350	13.780	24	450	18	20x5x11	0,8x0,20x0,4	
73026BBS	400	15.748	30	450	18	20x5x11	0,8x0,20x0,4	

WITH BOTTOM LAYER:

- high productivity;
- increased durability;
- stability of operation;
- aggressive cutting edge.



DIAMOND SEGMENTS WITH BOTTOM LAYER

MATERIALS:

- Concrete, highly reinforced concrete.



Code	Segment size		Drill diameter	
	mm	inch	mm	inch
64011BBH (BS; BSH)	24x3,5x11	0,9x0,14x0,4	D 62-72	D 2,44-2,83
64012BBH (BS; BSH)	24x3,5x11	0,9x0,14x0,4	D 77-92	D 3,03-3,62
64013BBH (BS; BSH)	24x3,5x11	0,9x0,14x0,4	D 102-127	D 4,01-5,00
64014BBH (BS; BSH)	24x4x11	0,9x0,16x0,4	D 132-152	D 5,19-5,98
64015BBH (BS; BSH)	24x4x11	0,9x0,16x0,4	D 162-182	D 6,37-7,16
64016BBH (BS; BSH)	24x4,5x11	0,9x0,18x0,4	D 200-275	D 7,87-10,82
64019BBH (BS; BSH)	20x5x11	0,8x0,20x0,4	D 300-600	D 11,81-23,62

This type of product is manufactured using equipment and technology from Dr. Fritsch (Germany).

The bond ensures optimal retention of diamonds and refreshes the cutting part of the segment during work.

The optimally selected diamond concentration in the segment provides high performance and durability when processing concrete, reinforced concrete, as well as all types of stone.

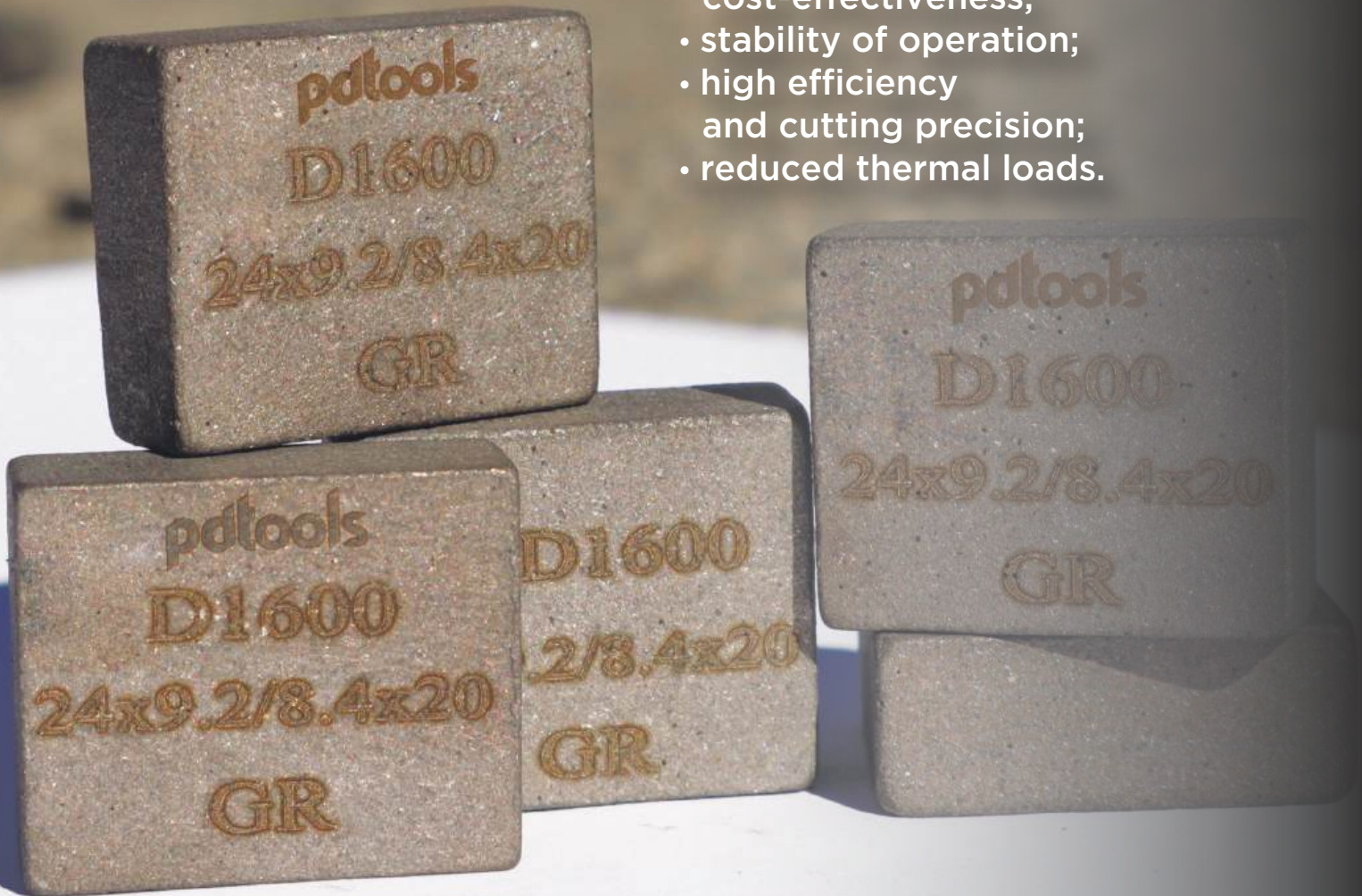
The segment cone ensures the centering of the drill during drilling into the processed material.

Thanks to the aggressive opening of the segment cone tip, high drilling speed is achieved.

The segment bottom layer allows it to be attached to the casing, either by laser welding or by soldering with silver solders.

DIAMOND SEGMENTS FOR GRANITE:

- durability and cost-effectiveness;
- stability of operation;
- high efficiency and cutting precision;
- reduced thermal loads.



DIAMOND SEGMENTS FOR SEGMENTED BLADES 1A1RSS GRANITE

MATERIALS:

- All types of granite.



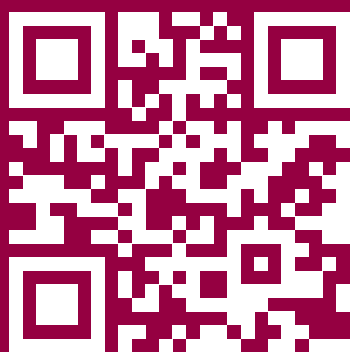
Code	Segment size		Blades diameter	
	mm	inch	mm	inch
62100CGR	40x3,1x15	1,6x0,12x0,6	310-350	12-14
62101CGR	40x3,5x15	1,6x0,14x0,6	360-400	14-16
62102CGR	40x3,8x15	1,6x0,15x0,6	410-450	16-18
62103CGR	40x4,1x15	1,6x0,16x0,6	460-500	18-20
62104CGR	40x4,1x15	1,6x0,16x0,6	510-550	20-22
62105CGR	40x4,8x15	1,6x0,19x0,6	560-610	22-24
62202CGR	40x6x15	1,6x0,25x0,6	820	32
62203CGR	40x7x15	1,6x0,27x0,6	914	36

Our company specializes in manufacturing segments of various sizes and configurations that are suitable for a wide range of applications.

We create high-quality segments that exceed all expectations and meet the highest standards of requirements.

Contact us now to learn more about our segments and how they can enhance your business!

We are ready to help you reach new heights and successfully complete your projects!



WWW.PDT.TOOLS