



MK Diamond Products, Inc.



 **Diamond Products, Inc**

mkdiamond.com

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American Rental Association
Associate Member



California Rental Association



The Council of North America, Inc.



Mason Contractors
Association of America



National Tile
Contractors Association



Specialty Tools & Fasteners
Distributors Association

ICONS Symbol Guide



WET
CUTTING



DRY
CUTTING



HANDHELD
SAW



TILE SAW



HAND
GRINDER/
POLISHER



HAND
DRILL



BRIDGE
SAW



MASONRY
SAW



BLOCK
SAW



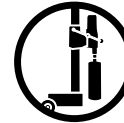
CUTOFF
SAW



CONCRETE
SAW



SURFACE
GRINDER



CORE RIG

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– MK Diamond History

MK Diamond's state-of-art facility provides better, faster service to our customers



MK Diamond Products, Inc. has a heritage that stretches back to the mid 1860's when Joseph Musto came from Italy to fulfill his dream of building fine structures of beautiful Italian marble. He opened the Musto Brothers Steam Marble Mill in San Francisco, California.

In the late 1919, Joseph's son, Clarence, came to Los Angeles. By 1949, the newly named Musto-Kennan Company had gained a reputation for making top quality diamond tools to cut marble and tile faster

and more efficiently. In 1963, MK Diamond Products became a division of Musto Industries.

Since incorporation in 1983, MK Diamond Products, Inc. has grown into a world wide force in the industry as the leading manufacturer of high quality, precision diamond saw blades, equipment and accessories. Today, we are still researching and developing new, innovative products which will deliver excellence in the field and value for our customers.

– MK Diamond World-Wide

Customers all over the globe know that MK Diamond Products Inc. brings you the finest quality products... wherever you work.



Alaska
Argentina
Armenia
Australia
Bahamas
Bermuda
Canada

Chile
Costa Rica
Colombia
Denmark
England
Germany
Hawaii

Hong Kong
Indonesia
Iraq
Ireland
Israel
Japan
Madagascar

Malaysia
Mexico
New Zealand
Norway
Panama
Peru
Philippines

Puerto Rico
Saudi Arabia
Singapore
South Africa
Spain
Sweden
Switzerland

Taiwan
Thailand
United States
Uruguay
Venezuela
Zimbabwe

Today's Leadership



Robert J. Delahaut's leadership began in 1976, he expanded the company by creating a line of precision power cutting saws that began with a tile saw line and now includes masonry, concrete, and coring equipment. Now with his son, Brian Delahaut, as Vice President the family tradition continues.

In 2006 MK Diamond purchased Canoga Equipment, opening new opportunities of business in the rental and construction supply market. In 2008 Barranca Diamond became part of the MK Diamond family, focusing on the stone and lapidary industry. Barranca Diamond continues to expand into the mining industry with a line of core saws. Then in 2009 MK Diamond acquired the Sawtec® brand that provides contractors with a range of dust-free tools and grinding accessories for surface preparation and concrete repair.

Worldwide distribution and an expanded product mix gives MK Diamond the strength needed in this ever changing economic environment. With generations of experience and new technology, MK Diamond is manufacturing the best products ever.

Now celebrating over 150 years, the tradition continues today as this American-owned company continues to produce quality products that lead the industry and answer the needs of skilled craftsmen everywhere.

— Customer Service —

MK Diamond Products, Inc. has thrived on the principle that “good enough” is never really good enough. The Company has remained in the forefront of the marketplace by consistently engaging in product research and development. The same philosophy carries over to customer service. Each product is backed by a service policy that is second to none in the industry. We have only one goal...to give our customers the best products and service possible, and nothing less. Customer Service is the key to the sales department. We are easy to reach with our nationwide toll free numbers, e-mail, live help, facebook, and fax machines. We are committed to being helpful, friendly and capable.



At a Glance



The MK Diamond catalog is divided by types of equipment – Tile & Stone, Lapidary, Masonry, Concrete, Floor Prep, Mixers and Coring. Within each of these sections are blades and accessories.

Diamond Blades Selection

The most important consideration when selecting a diamond blade is to match the diamond blade to the application/material. Diamond blade requirements vary depending on frequency of use and the material being cut. For smaller jobs or occasional use, a standard blade may be suitable. For larger jobs or more regular use, the premium or supreme blade will actually be less expensive to use.

Diamond Blade Classifications

MK Diamond has four classifications of diamond blades.

- Standard Grade - Great value for contractors that do minimal sawing that want the advantages of a diamond blade.
- Premium Grade - Increased diamond quality makes the premium series more efficient. For contractors that demand fast-cutting and long life.
- Supreme Grade - The same great product as our Premium series only higher. The additional cuts of the supreme grade easily surpasses the additional cost.
- Professional Grade - A great combination of segment height and high diamond concentration make these blades the choice of professionals. The lowest cost per inch foot that money can buy.

In order to select the right diamond blade you need to determine a few important factors.

Questions to ask:

1. What type of material do you want to cut?
2. Wet or dry cutting?
3. What cutting length and depth?
4. What kind of equipment is being used?
5. How big is the job?

– Online Tools at MKDiamond.com



<http://www.mkdiamond.com>

The MK Diamond web site is your best resource. It has product information including specs on our complete line of equipment and diamond blades. Browse it for product videos, sell sheets for printing or emailing, merchandising options and view our flip-through catalog.

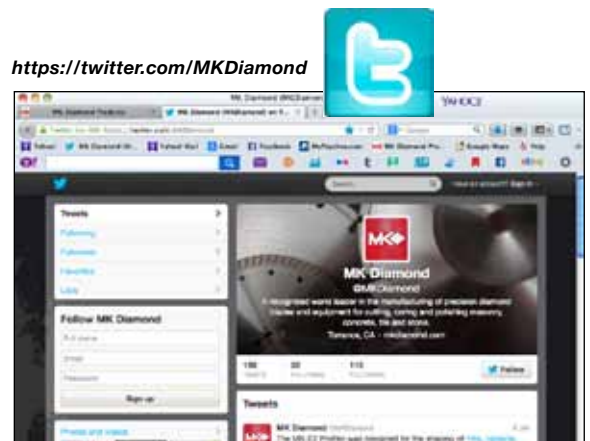


The MK Diamond Mobile Web Site (m.mkdiamond.com) provides smart phone access to product information, owner's manuals, contact information and more.

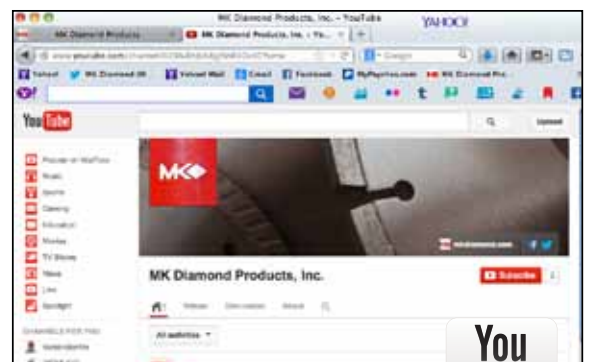
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<https://www.facebook.com/mkdiamondproducts>



<https://twitter.com/MKDiamond>



www.youtube.com/user/mkdiamondproducts





Tile & Stone



MK Diamond's line of tile saws and diamond blades have been designed for versatility, durability and precision cutting. Whether you are a Do-it-Yourselfer, Contractor or Tile Professional, MK Diamond has the tools to get the job done right.



MK-145 4-1/2" Wet Cutting Benchtop Tile Saw

The MK-145 portable Tile Saw features a large cutting surface designed to accommodate a 12" tile. Immersion blade cooling system requires no pump. The MK-145 cuts, rips, bevels, miters and cuts diagonals. One-year limited warranty.

Motor Electric

Power 1/2 Hp, 120V

RPM 5,500

Blade Capacity 4-1/2" (114 mm)

Arbor Size 5/8" (16 mm)

Depth of Cut 1" (25 mm)

L x W x H (inches) 18" x 16" x 7"

L x W x H (mm) 457 x 406 x 178

Weight 12 lbs. (5.4 kg)

Includes

- 4-1/2" Wet Cutting Diamond Blade
- Rip Guide
- 45° Rip Guide
- Table Stop

Part# 158252



45° rip guide for diagonal cuts



Detachable table stop prevents saw from moving away from operator when pushing material into blade



Built-in 45° table for precision miter cuts



MK-170 7" Wet Cutting Tile Saw

The MK-170 is perfect for the homeowner and weekend craftsman. The tabletop design makes it versatile and compact. It comes complete with a diamond blade and submersible water pump. One-year limited warranty.

Motor	Electric
Power	560W 120V
Amps	5
RPM	5,500
Blade Capacity	7" (178 mm)
Arbor Size	5/8" (16 mm)
Length of Cut	12" (300 mm)
Depth of Cut	2" (51 mm)
L x W x H (inches)	17" x 14" x 12"
L x W x H (mm)	423 x 356 x 305
Weight	15 lbs. (6.8 kg)
Includes	<ul style="list-style-type: none"> • 7" Wet Cutting Diamond Blade • Water Pump • Rip Guide
Part#	157222
Optional	Dressing Stone GFCI
Part#	152792 152610



Hinged blade guard for easy blade changes and maintenance inspection



MK-Safeswitch™ prevents saw from being operated when locking key is removed



MK-377 1/2 Hp, 7" Wet Cutting Tile Saw

The MK-377 ensures precision cutting of ceramic, travertine and slate with its linear guide bar system. A hinged blade guard allows for easy blade changes and its thermoplastic water reservoir will not rust or bend out of shape. MK-377 includes a 7" diamond blade, water pump, wrenches and a rip guide. One-year limited warranty

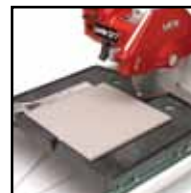
Motor	Electric		
Power	1/2 Hp, 120V		
Blade Capacity	7" (178 mm)		
Arbor Size	5/8" (16 mm)		
Depth of Cut	2" (51 mm)		
Length of Cut	14"		
Diagonally Cuts	10" Tile		
L x W x H (inches)	26" x 17" x 12"		
L x W x H (mm)	660 x 423 x 305		
Weight	21 lbs. (9.6kg)		
Includes	<ul style="list-style-type: none"> • 7" Wet Cutting Diamond Blade • Water Pump • Rip Guide 		
Part#	160028		
Optional	90° Protractor	45° Angle Guide	GFCI
Part#	134569-MK	134577-MK	152610



MK Safeswitch™ prevents saw from operating without switch key in place



Hinged blade guard for easy blade changes



Conveyor cart runs on chrome plated guide bar

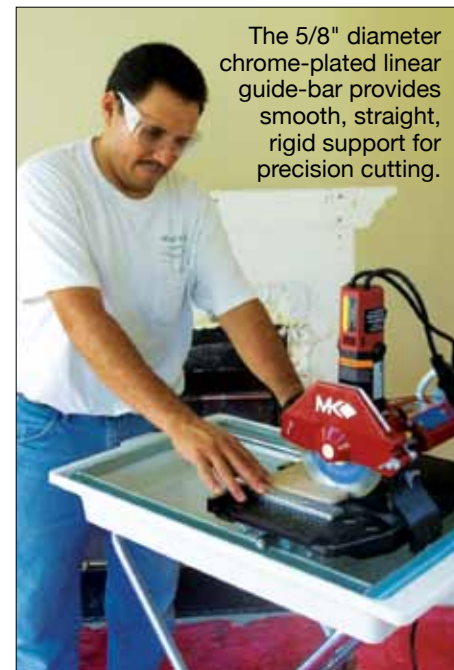


MK-370EXP™ 1-1/4 Hp, 7" Wet Cutting Tile Saw

The lightweight and portable MK-370EXP Tile Saw is made to the highest professional specifications. It features a built-in adjustable 45° cutting head that allows for quick and accurate miter cuts. One-year limited warranty.

Motor	Electric
Power	1-1/4 Hp, 120V
Blade Capacity	7" (178 mm)
Arbor Size	5/8" (16 mm)
Depth of Cut	2" (51 mm)
Depth of Cut at 45°	1-1/8" (32 mm)
Length of Cut	18" (457 mm)
Diagonally Cut	13" (330 mm)
L x W x H (inches)	33" x 19" x 20"
L x W x H (mm)	838 x 483 x 508
Weight	33 lbs. (15 kg)
Includes	<ul style="list-style-type: none"> • 7" Wet Cutting Diamond Blade • Water Pump • Rip Guide
Part#	159943

Optional	Stand	Cutting Kit	GFCI	Side Table
Part#	160131-MK	155954	152610	160488



The 5/8" diameter chrome-plated linear guide-bar provides smooth, straight, rigid support for precision cutting.



Hinged blade guard for easy blade changes and maintenance inspection



Built-in 45° miter system



Plunge capability makes cutting outlets and other openings quick and easy



MK-660 3/4 Hp, 7" Wet Cutting Tile Saw

The MK-660's innovative direct drive motor technology is whisper quiet and powerful enough to deliver fast cutting on any type of tile up to 14" in length. The MK-660 is made with solid steel frame for durability, yet is lightweight and portable so it can be easily be taken to any jobsite. One-year limited warranty.

Motor	Electric		
Power	3/4 Hp, 120V		
Blade Capacity	7" (178 mm)		
Arbor Size	5/8" (16 mm)		
Depth of Cut	2" (51 mm)		
Length of Cut	14" (356 mm)		
Diagonally Cut	10" (254 mm) Tile		
L x W x H (inches)	27" x 21" x 16"		
L x W x H (mm)	686 x 533 x 406		
Weight	48 lbs. (27.1 kg)		
Includes	<ul style="list-style-type: none"> • 7" Wet Cutting Diamond Blade • Water Pump • Rip Guide 		
Part#	153330		
Optional	Stand	Stand w/ Casters	GFCI
Part#	151889	160197	152610



Ultra-quiet 3/4 Hp direct drive DC motor with blade braking system



Plunge capacity makes cutting outlets and other openings quick and easy



Chrome plated guide-bar and linear-bearing assembly ensure precise alignment and precision cutting



MK-770EXP™ 1-1/4 Hp, 7" Wet Cutting Tile Saw

The MK-770EXP Tile Saw uses a powerful 1-1/4 Hp motor which delivers high torque and consistent RPM during all cutting operations. The MK-770EXP is built with a unitized steel frame. It features a pivoting cutting head for precision 45° miter cuts. One-year limited warranty.

Motor	Electric		
Power	1-1/4 Hp, 120V		
Blade Capacity	7" (178 mm)		
Arbor Size	5/8" (16 mm)		
Depth of Cut	2" (51 mm)		
Depth of Cut at 45°	1-1/8" (32 mm)		
Length of Cut	20" (508 mm)		
Diagonally Cut	14" (356 mm)		
L x W x H (inches)	37" x 22" x 23"		
L x W x H (mm)	940 x 559 x 584		
Weight	57 lbs. (26 kg)		
Includes	<ul style="list-style-type: none"> • 7" Wet Cutting Diamond Blade • Water Pump • Rip Guide 		
Part#	160267		
Optional	Stand	Stand w/ Casters	Side Table
Part#	151889	160197	160488



Hinged blade guard for easy blade changes and maintenance inspection



Built-in fully adjustable miter system easily orients the cutting head assembly from 0° to 45° in seconds



Chrome plated guide-bar and linear-bearing assembly ensure precise alignment and precision cutting



MK-101



MK-101-24



MK-101 Series 1-1/2 Hp, 10" Wet Cutting Tile Saw

The MK-101 Series of saws features a powerful, high torque motor for improved performance to tackle all cutting jobs. The one-piece unitized steel frame is built for increased durability. The covered linear guide bar system provides precise cutting on the entire length of the cut. The blade guard has been engineered to provide optimal water flow and is wide enough to accommodate a profile wheel. One-year limited warranty.

Motor	Electric		
Power	1-1/2 Hp, 120V		
Blade Capacity	10" (254 mm)		
Arbor Size	5/8"		
Depth of Cut	3" (76 mm)		
Model	MK-101	MK-101-24	
Length of Cut	20" (508 mm)	24" (610 mm)	
Diagonally Cut	14" (356 mm)	18" (457 mm)	
L x W x H	36" x 22" x 23"	42" x 22" x 23"	
L x W x H (mm)	914 x 559 x 584	1,067 x 546 x 584	
Weight	92 lbs. (42 kg)	105 lbs. (48 kg)	
Includes	<ul style="list-style-type: none"> • 10" Wet Cutting Tile Blade • Water Pump • Rip Guide • 45° Miter 	<ul style="list-style-type: none"> • 10" Wet Cutting Tile Blade • Water Pump • Rip Guide 	
Part#	151991	169612	
Optional	Folding Stand	Folding Stand w/ Casters	GFCI
Part#	168244	169243	152610

Motor available in other electrical configurations.



Multi-position motor post and cutting head for convenient cutting of various tile sizes



Locking blade shaft for easy blade removal



Accommodates 6" and 8" profile wheels



MK-101 Pro24 JCS
with Integrated Stand
U.S. Patent No. 7,419,538



MK-101 Pro24

MK-101 Pro Series 1-1/2 Hp, 10" Wet Cutting Tile Saw

The MK-101 Pro Series has all the features of the MK-101; in addition it is equipped with a aluminum table with non-slip molded neoprene surface. The permanently lubricated blade shaft bearings provide years of maintenance-free operation. The blade guard has been engineered to provide optimal water flow and is wide enough to accommodate a profile wheel. The Pro24 has an extended length of cut to 24". One-year limited warranty.

Motor	Electric	
Power	1-1/2 Hp, 120V	
Blade Capacity	10" (254 mm)	
Depth of Cut	3" (76 mm)	
Includes	<ul style="list-style-type: none"> • 10" MK-225 Hot Dog Blade • Water Pump • Side Extension Table • 90° Protractor 	<ul style="list-style-type: none"> • Dressing Stone • Stand w/Casters • Dual 45° Flat Angle Guide
		<ul style="list-style-type: none"> • Rip Guide • 45° Miter • Tool Carrying Tray
Model	MK-101 Pro24	MK-101 Pro24 JCS (Integrated Stand)
Length of Cut	24" (610 mm)	24" (610 mm)
Diagonally Cut	18" (457 mm) Tile	18" (457 mm) Tile
L x W x H (inches)	41" x 22" x 23"	48" x 24" x 28"
L x W x H (mm)	1,041 x 559 x 584	1,219 x 610 x 711
Weight	130 lbs. (59 kg)	156 lbs. (71 kg)
Part#	153243	153243-JCS

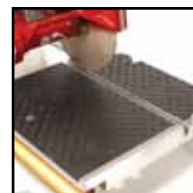
Motor available in other electrical configurations.



Multi-position motor post and cutting head for convenient cutting of various tile sizes



Locking blade shaft for easy blade removal



Equipped with cast aluminum table with non-slip molded neoprene surface



TX-3™ 1-3/4 Hp, 10" Wet Cutting Tile Saw

The TX-3™ features a patent pending misting system that keeps the dust down, allowing for indoor applications. The 55 psi misting pump generates an extra fine water spray through two nozzles to keep the blade cool during cutting. The newly designed Air Flow Module protects the motor from mist during operation. The innovative maintenance free guide bar system eliminates the need for regular lubrication. The tilting head allows 22.5 and 45 degree miter cuts. One-year limited warranty.

Motor	Electric	
Power	1-3/4 Hp, 120V	
Blade RPM	3,500	
Blade Capacity	10" (254 mm)	
Arbor Size	1" (25 mm)	
Depth of Cut	3-1/2" (89 mm)	
Depth of Cut at 45°	2-3/8" (60 mm)	
Length of Cut	24" (610 mm)	
Diagonally Cut	18" (457 mm)	
L x W x H (inches)	44" x 25" x 20"	
L x W x H (mm)	1,118 x 635 x 508	
Weight	85 lbs. (39 kg)	
Includes	<ul style="list-style-type: none"> • 10" Wet Cutting Tile Blade • Misting Pump • Rip Guide w/Protractor • Side Table 	
Model	TX-3 Misting System	TX-3 Flood System
Part#	164800	166634
Optional	Stand w/ Casters	
Part#	166445	



At 85 lbs., the TX-3™ is easy to set up and transport.



Patent pending misting system significantly reduces amount of dust during cutting



Large table allows for greater support of material during all cutting operations



22°-45°-90° cutting capability

TX DIAMOND BLADES SERIES The TX Blade Series have a 1" arbor that differentiates them from typical wet cutting tile blades available in the market. The TX Blade Series are premium blades that match the high quality standards that professionals expect. Please note: standard 5/8" Arbor Tile Blades will NOT fit the TX-3 tile saw.



TX-20 Premium Tile

TX-20 provides dependable performance and long life when cutting ceramic tile and marble.

Diameter	Width	Arbor	Part#
10" (254 mm)	.060	1"	166966

Rim Height: 7 mm



TX-30 Porcelain Pro

TX-30 offers a thicker kerf version of MK Diamond's popular Hot Dog blade. The unique "J" cooling slots deliver fast, "chip free" cutting of porcelain tile and other hard dense materials.

Diameter	Width	Arbor	Part#
10" (254 mm)	.060	1"	166967

Rim Height: 8 mm



TX-40 Tile and Stone Pro

TX-40 delivers what you'd expect from a top of the line diamond blade. This is MK Diamond's very best for cutting tile & stone. From marble to granite, you can count on the TX-40 to get the job done. The thicker blade kerf and high rim height makes it the ideal choice for jobs that require miter cutting.

Diameter	Width	Arbor	Part#
10" (254 mm)	.080	1"	166968

Rim Height: 10 mm



TX-50 Premium Glass

TX-50 is simply the best all around glass blade on the market. This diamond matrix formulation for cutting glass produces consistent results time after time. Often glass cutting requires regular "dressing" to remove debris from the rim of the blade. Try the MK Diamond dressing stone (#152792) to get the best performance and life from your TX-50 blade.

Diameter	Width	Arbor	Part#
10" (254 mm)	.060	1"	166969

Rim Height: 7 mm



TX-60 Supreme Masonry Pro

TX-60 is ideally suited for all kinds of masonry materials, the TX-60 is a continuous rim "turbo style" diamond blade that produces fast clean cuts. Take advantage of the power and versatility of your TX-3 Tile saw to complete other projects involving brick and pavers!

Diameter	Width	Arbor	Part#
10" (254 mm)	.090	1"	167317

Rim Height: 10 mm



MK-212-4



MK-212-6

MK-212 Series Tile & Stone Saw

The MK-212 Professional Tile and Stone Saws are built rugged and portable for use on any jobsite. The powerful 2 Hp direct drive motor is fully enclosed for greater protection. The adjustable built-in miter system allows cuts at all angles from 45° to 90°. The plunge cutting head has a pivoting blade guard for easy blade changes. One-year limited warranty.

Motor	Electric		
Power	2 Hp, 120V		
Model	MK-212-4	MK-212-6	
Blade Capacity	10" (254 mm)	12" (305 mm)	
Arbor Size	5/8" (16 mm)	5/8" (16 mm)	
Depth of Cut	2" (51 mm)	3" (76 mm)	
Length of Cut	36" (914 mm)	72" (1,829 mm)	
Diagonally Cut	24" (610 mm)	42" (1,067 mm)	
Depth of Cut at 45°	1-1/2" (38 mm)	2-1/2" (57 mm)	
L x W x H (inches)	58" x 21" x 52"	82" x 21" x 52"	
L x W x H (mm)	1,473 x 533 x 1,321	2,083 x 533 x 1,321	
Weight	226 lbs. (103 kg)	270 lbs. (122 kg)	
Includes	<ul style="list-style-type: none"> Water Pump Rip Guide 12" Adjustable Cutting Guide 	<ul style="list-style-type: none"> Water Pump Rip Guide 12" Adjustable Cutting Guide 	
Part#	159414	167882	
Optional	Side Table (23" x 9")	Side Table (33" x 24")	Transport Wheels
Part#	165884	167986	160172



Roller-bearing carriage runs on a stainless steel rail



Tilting Head allows easy and precise 22° and 45° miter cuts



Plunge cut capability for scoring or cutting large tile



Optional Side Table provides support for larger tiles and stone

Available with 220V/50Hz motor:
 MK-212-4 Part #159986
 MK-212-6 Part #169284
 Blade not included.



MK-1590 1-3/4 Hp, 12" Stone Rail Saw

The MK-1590 Stone Rail Saw has been designed and built to exacting standards. The extruded aluminum rail system provides straight and accurate cutting. The vibration-free rail system is fitted with anti-wear nylon slides to prevent damage to the work piece during all cutting operations. The unique hold-down system also permits slab cuts both vertically and horizontally, and maintenance-free steel rollers provide effortless tracking. The MK-1590 has an adjustable depth of cut and plunge cutting capability. Miter cutting ability is built-in with a cutting head that tilts from 0° to 45°. One-year limited warranty.

Motor	Electric	
Power	1-3/4 Hp, 120V	
Amps	15	
Blade Capacity	12" (305 mm)	
Arbor Size	1" (25 mm)	
Depth of Cut	2-7/8" (73 mm)	
Depth of Cut at 45°	2-1/4" (57 mm)	
Length of Cut	130" (3,202 mm)	
L x W x H (inches)	144" x 16" x 13"	
L x W x H (mm)	3,658 x 406 x 330	
Weight	95 lbs. (43 kg)	
Includes	<ul style="list-style-type: none"> • 2 Sets 72" Rails • Rail Connector Plate • 4 Parallel Spreader 	<ul style="list-style-type: none"> • 2 Hold Down Clamps • GFCI
Model	MK-1590	MK-1590V Vacuum Clamp System included
Part#	166105	166398
Optional	Vacuum Clamp System	
Part#	166200	



Heavy-duty hold-down clamps for use with slabs



Aluminum track connector plate for extending the length of cut



Steel Rollers for accurate tracking



Optional: Vacuum clamp system secures the rail system to the work surface without mechanical clamps or fasteners

Blade not included.
 Note: For granite and marble blades, see page 31.



MK-5000 Super-Matic Series Wet Cutting Industrial Stone Saws

The MK-5000 Series of heavy-duty industrial stone saws have been designed to meet the demands of industrial production. 1" self-aligning pillow block bearings, along with a host of innovative operator conveniences and safety features, boost productivity and efficiency. One-year limited warranty.

Motor Baldor (Electric)

Length of Cut 20" (508 mm)

L x W x H (inches) 53" x 26" x 63"

L x W x H (mm) 1,346 x 660 x 1,600

Includes

- Electric Water Pump
- Rip Guide

	Model MK-5010S Super-Matic		Model MK-5010T Super-Matic
Power	10 Hp, 230V 1PH		10 Hp, 230V 3PH 10 Hp, 460V 3PH 10 Hp, 575V 3PH
Weight	513 lbs. (233 kg)		513 lbs. (233 kg)
Blade Guard	24"		24"
Depth of Cut	10" (254 mm)		10" (254 mm)
230V Part#	166929 (1PH)	•	166930 (3PH)
460V Part#	•	•	166931 (3PH)
575V Part#	•	•	169335 (3PH)
Optional	Stainless Steel Rails		Higgins Jig
			Higgins Jig w/ Riser
Part#	166934		169548
			170158

Motor available in other electrical configurations.
Blade not included.



Heavy-duty 6 wheel conveyor cart to support additional weight



Heavy-duty bearing arbor shaft



NEMA 12 waterproof enclosure with heavy-duty starter. Safety Switch prevents accidental restart if electrical current is disrupted



Patent Pending



MK-EZ Profiler™

MK-EZ Profiler™

The MK-EZ Profiler makes profiling tile, granite, marble and limestone easy. It is highly portable and is designed to provide fabrication quality performance on any jobsite. There is a complete range of standard profile shapes available as accessories. Convenient access to the arbor shaft makes for easy profile tool changes. The adjustable head allows profiling materials up to 1-1/4" thick. The profiler is housed in a thermoplastic pan for water containment and easy cleanup. Water pump and a 3/8" radius, half bullnose diamond profile bit are included.

Motor	1-1/4 Hp, 120V
Amps	7.4
Motor RPM	6,000
Shaft	5/8"-18
Weight	23 lbs. (10kg)
L x W x H	36" x 24" x 11"
L x W x H (mm)	914 x 610 x 279
Part #	170565



Engineered for superior performance



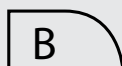
Convenient access to arbor shaft for shaping tool changes



Built-in spray brush to minimize over-spray from water feed

Recommended Profile Bits MK-400BDB Segmented Diamond Profile Bits

Half Bullnose
Profile: B Radius: 1/2"

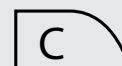


Nut	Part #
5/8"-18	480012-18



45° Bevel
Profile: E Radius: 45° Bevel

Nut	Part #
5/8"-18	400040-18



Half Bullnose
Profile: C Radius: 3/4"

Nut	Part #
5/8"-18	400034-18



MKDX 2 Hp, Bullnose and Profiler

The MKDX Bullnose and Profiler machine has been designed to provide fabrication capability on any jobsite. Equipped with a powerful 2 Hp motor, the MKDX can rough shape and polish, bevel and bullnose finishes on tile, marble and granite. With a heavy-duty reinforced steel frame, the MKDX has been built for accuracy and high productivity. Stainless steel slides ensure long life and are corrosion resistant. Micro-profile adjustments are simple and easy to make. One-year limited warranty.

Motor	Electric
Power	2 Hp, 120V
Motor RPM	3,400
Arbor RPM	2,125
Arbor	5/8"
Water Tank Capacity	3 gallons (14 liters)
Maximum Material Size	14" (356 mm)
Maximum Depth of Shaping	15 mm
Maximum Depth of Radius	15 mm
L x W x H (inches)	36" x 29" x 42"
L x W x H (mm)	914 x 736 x 1067
Weight	182 lbs. (83 kg)
Includes	<ul style="list-style-type: none"> • Stand • Material Slide • Foot Switch
Part#	165168
Optional	24" Material Slide
Part#	166409



Foot switch is provided for operator convenience and safety



Unique clamping system allows a variety of tile sizes and thicknesses to be shaped



Built-in water tank for cooling, features water filter system to stop debris from entering water pump system

Available with 220V/50Hz motor. Profile wheels not included.

Shaping and Polishing with the **MKDX**

MK Diamond Profile Wheels are designed to achieve a quality finish on all profile and bevel shapes. The unique design of the profile wheel allows for even removal rates with minimal effort. Shaping and polishing is a process which takes time and requires that each grit size be used properly to achieve a quality finish.

Important Points in the Polishing Process:

Never skip grit sizes during the shaping/polishing process. Skipping grit sizes will result in an unsatisfactory finish to the stone.

To finish the profile always use the same radius wheel as used for the initial shaping

POLISHING STEPS

1. Rough shape material to the desired profile using the Segmented 30/40 grit profile wheel.
2. Next change wheel to the Sintered Profile Wheel. Smooth the surface as much as possible with the 60/80 grit. Check the wheel height and depth to ensure full contact with the previously created profile.
3. Change to the Plated Wheel, 140/170 grit. The smoothing of the surface during this stage of polishing will determine the quality of the finish that will be achieved.
4. Once all large scratches have been sufficiently removed the finer grit resin bond wheels can be used to achieve the quality finish. The fine grit pads consist of 400, 800, 1,500, 1,800 and 3,500. If more luster/color from the polished surface is desired, use the Buff wheel.



MKDX
Segmented (Coarse)



MKDX
Sintered (Medium)



MKDX
Plated (Fine)



MKDX
Resin Bond (Polish)

MKDX Segmented (Coarse)

Grit	Description	Part#
30/40	10 mm Radius Bullnose B-Profile	165759
30/40	15 mm Radius Bullnose B-Profile	165760
30/40	10 mm 45° Bevel E-Profile	165762
30/40	15 mm 45° Bevel E-Profile	165763
30/40	90° Square Profile	166021

MKDX Sintered (Medium)

60/80	10 mm Radius Bullnose B-Profile	165764
60/80	15 mm Radius Bullnose B-Profile	165765
60/80	10 mm 45° Bevel E-Profile	165767
60/80	15 mm 45° Bevel E-Profile	165768

MKDX Plated (Fine)

140/170	10 mm Radius Bullnose B-Profile	166077
140/170	15 mm Radius Bullnose B-Profile	166078
140/170	10 mm 45° Bevel E-Profile	166079
140/170	15 mm 45° Bevel E-Profile	166080

MKDX Resin Bond (Polish)

400	10 mm Radius Bullnose B-Profile	165769
800	10 mm Radius Bullnose B-Profile	166082
1500	10 mm Radius Bullnose B-Profile	166083
1800	10 mm Radius Bullnose B-Profile	166084
3500	10 mm Radius Bullnose B-Profile	166085
Buff	10 mm Radius Bullnose B-Profile	166081
400	15 mm Radius Bullnose B-Profile	165770
800	15 mm Radius Bullnose B-Profile	166087
1500	15 mm Radius Bullnose B-Profile	166088
1800	15 mm Radius Bullnose B-Profile	166089
3500	15 mm Radius Bullnose B-Profile	166090
Buff	15 mm Radius Bullnose B-Profile	166086

PROFILE SHAPES



TILE & STONE ACCESSORIES

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

45° Miter



Part#
153201-MK

Dual Flat 45° Angle Guide



Part#
134577-MK

Protractor



90° Protractor

12" Protractor:
For use with MK-212

Part#
134569-MK

Part#
159572

Dressing Stone



60-grit dressing stone used to expose new cutting surfaces on glazed or dull diamond blades

Part#
152792

Large Rip Guide



Part#
159751

Cutting Kit



The cutting kit includes a 90° protractor, dressing stick, dual 45° flat angle guide, large rip guide, 45° miter and carrying tray

Part#
155954

Small Rip Guide



For use with MK-370, MK-370EXP, MK-660 & MK-770

Part#
134551-MK

15" Rip Guide



For use with MK-212

Part#
160288

Front Extension Table



For use with MK-100 & MK-101

Part#
158215

Side Extension Table



For use with
MK-100 & MK-101

Part#
162075

Side Extension Table



For use with
MK-370EXP & 770EXP

Part#
160488

Ground Fault Circuit Interrupter



15 AMP/120V



Part#
152610

Electric Water Pump



Saw Model:
Tile & Brick Saws
(except 370) 120V / 60Hz



Saw Model:
MK-370EXP
120V

Part#
151271-MK

Part#
155987-MK

Saw Tent



Size
47" x 60" x 62"

Part#
169658

Drain Plugs (2 Pack)



Part#
133025-MK

MK 1/2 Gas Adapters



(a)



(b)

Spindle Thread
(a) 5/8"-11 Male
(b) 10 mm Female

Part#
158916
159397

MK-925FC Adapter



Arbor
5/8"-11

Part#
159232

Steel Rails



Set of two stainless steel rails.
Fits all MK-5000 Series Saws

Part#
166934

5/8"-11 Shank Adapters



Description
Morse Taper Shaft

Part#
152213

TILE & MARBLE (WET)



MK-200 Premium Blades

Premium grade tile blade for fast, smooth, chip-free cutting on tile and other stone materials.

Diameter	Width	Arbor	Part#
4" (102 mm)	.060	20 mm-5/8"	151445
4-1/2" (114 mm)	.060	20 mm-5/8"	154972
6" (152 mm)	.060	5/8"	137141
7" (178 mm)	.060	5/8"	139295
8" (203 mm)	.060	5/8"	137158
10" (254 mm)	.060	5/8"	137166
12" (305 mm)	.080	1"	137174
14" (356 mm)	.080	1"	137182

Rim Height: 8 mm

MK-215 Supreme Blades

Supreme grade tile blade for hard materials, provides chip-free cutting and performance. Excellent on dense floor materials.

Diameter	Width	Arbor	Part#
4" (102 mm)	.060	5/8"	152553
4-1/2" (114 mm)	.060	20 mm-5/8"	154973
6" (152 mm)	.060	5/8"	131763
7" (178 mm)	.060	5/8"	139311
8" (203 mm)	.060	5/8"	131631
10" (254 mm)	.060	5/8"	128074
12" (305 mm)	.080	1"	128439
14" (356 mm)	.080	1"	133967



Rim Height: 8 mm

MARBLE (WET)



MK-315 Supreme Super Hi-Rim Blades

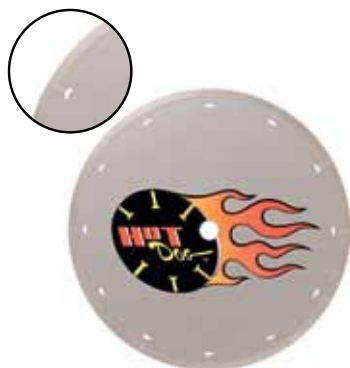
Supreme high rim tile blade is designed to retain the cutting edge in order to provide consistent high performance for high production jobs.

Diameter	Width	Arbor	Part#
6" (152 mm)	.060	5/8"	153250
7" (178 mm)	.060	5/8"	153293
8" (203 mm)	.060	5/8"	153251
10" (254 mm)	.080	5/8"	153252
12" (305 mm)	.080	1"	153509
14" (356 mm)	.090	1"	153548



Rim Height: 10 mm
Special arbors available upon request. Stock arbors can be bushed to smaller sizes; please specify at time of order.

**PORCELAIN &
VITREOUS TILE
(WET)**



MK-225 Hot Dog Premium Thin-Rim Blades

The MK-225 Hot Dog Diamond Blade has been designed to cut porcelain tile with no chipping. The stiffening/cooling slots have been designed to guarantee straight cutting in dense porcelain materials.

Diameter	Width	Arbor	Part#
4" (102 mm)	.050	20 mm-5/8"	159614
4-1/2" (114 mm)	.050	5/8"	160451
5" (127 mm)	.050	5/8"	160452
6" (152 mm)	.050	5/8"	160453
7" (178 mm)	.050	5/8"	158434
8" (203 mm)	.050	5/8"	158435
10" (254 mm)	.050	5/8"	158436
12" (305 mm)	.080	1"	169206
12" (305 mm)	.080	1-1/4"	158571
14" (356 mm)	.080	1"	158693



Rim Height: 7 mm
Hot Dog and the Hot Dog Logo are registered trademarks of MK Diamond Products, Inc.

QE2 Quiet Edge² Porcelain Tile Diamond Blade

The Quiet Edge2 diamond blade (QE2) has many technologies converging that create the perfect blade for cutting porcelain tile. The QE2 has a Patent Pending laser cut core and uses epoxy as silencing material that further reduces vibration and noise. The QE2 reduces the db level during cutting by at least 20 db. The thin kerf of the blade provides less resistance while cutting and provides a faster, more accurate, chip-free cut in porcelain, granite and vitreous tile. With the Patent Pending cooling slot design, the blade stays cooler throughout the cut.



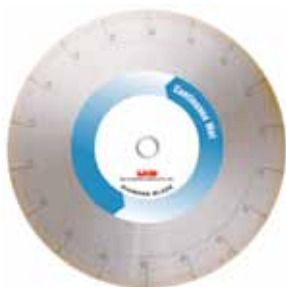
Diameter	Width	Arbor	Part#
10" (254 mm)	.060	5/8"	169550



Rim Height: 8 mm

MK-333JB Slot Supreme Blades

The MK-333JB slot porcelain tile blade is used for cutting all types of quarry tiles, stone, glass and other hard/dense materials.



Diameter	Width	Arbor	Part#
7" (178 mm)	.060	5/8"	164801
10" (254 mm)	.060	5/8"	160294



Rim Height: 7 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

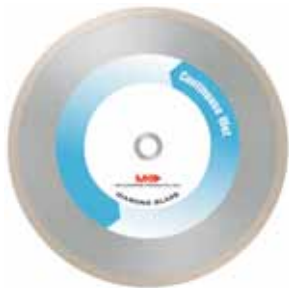
FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

PORCELAIN & VITREOUS TILE (WET)



GLASS (WET)



MK-415 Supreme Super Hi-Rim Blades

The MK-415 Diamond Blade has been designed with a thicker core for high production jobs that require straight and fast cuts.

Diameter	Width	Arbor	Part#
7" (178 mm)	.060	5/8"	157511
8" (203 mm)	.060	5/8"	155152
10" (254 mm)	.080	5/8"	153495
12" (305 mm)	.080	1"	155129
14" (356 mm)	.090	1"	155130
20" (508 mm)	.125	1"	170765

Rim Height: 10 mm
Special arbors available upon request. Stock arbors can be bushed to smaller sizes; please specify at time of order.

MK-RD100 Supreme Resin Bond Blades

Resin bond blades designed for chip-free production glass cutting and to eliminate breakout when cutting glass tubing and rod.

Diameter	Width	Arbor	Part#
7" (178 mm)	.062	5/8"	160831
10" (254 mm)	.062	5/8"	159326
14" (356 mm)	.070	1"	157812



Rim Height: 7 mm

MK-215GL Supreme Metal Bond Blades

Metal bond glass blades provide smooth chip free cutting and are ideal for production type applications.

Diameter	Width	Arbor	Part#
7" (178 mm)	.050	5/8"	156651
8" (203 mm)	.050	5/8"	155949
10" (254 mm)	.050	5/8"	155950
12" (305 mm)	.080	1"	155971
14" (356 mm)	.080	1"	160035



Rim Height: 7 mm

MK-215GL-XL Supreme Glass Blade

Engineered specifically for fine glass cutting. The MK-215GL-XL metal bond has each layer of diamond evenly spaced throughout.

Diameter	Width	Arbor	Part #
7" (178 mm)	.060	5/8"	168437
8" (203 mm)	.060	5/8"	168438
10" (254 mm)	.050	5/8"	168439
14" (356 mm)	.090	1"	170604



Rim Height: 7 mm

MK-315GL-XL Glass Blade

Specifically designed for cutting glass and mosaic glass tiles.

Diameter	Width	Arbor	Part#
7" (178 mm)	.060	5/8"	170665
10" (254 mm)	.065	5/8"	170666



Rim Height: 7 mm



TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



MK Diamond segmented stone blades have a worldwide reputation for superior cutting speed, maximum performance and exceptional blade life.



**LASER
WELDED**

MK-62M Premium Blades for Marble

Diameter	Width	Arbor	Part#
8" (203 mm)	.080	5/8"	139410
10" (254 mm)	.080	5/8"	137471
12" (305 mm)	.095	1"	151296
14" (365 mm)	.095	1"	135665
16" (406 mm)	.125	1"	135673
18" (457 mm)	.125	1"	135681
20" (508 mm)	.125	1"	135699

Segment Height: 8 mm

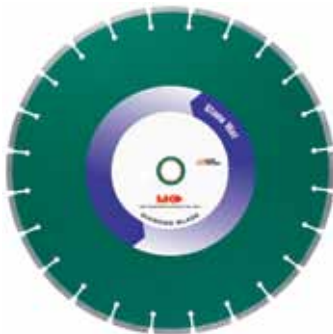
MK-62G Premium Blades for Granite

Diameter	Width	Arbor	Part#
7" (178 mm)	.080	7/8"-5/8"	150392
8" (203 mm)	.080	5/8"	151402
10" (254 mm)	.080	5/8"	151403
12" (305 mm)	.110	1"	150789
14" (365 mm)	.100	1"	152791
14" (365 mm)	.250	1"	153399
16" (406 mm)	.125	1"	135723
18" (457 mm)	.125	1"	135731
20" (508 mm)	.125	1"	135749

Segment Height: 8 mm

MK-62Q Professional Quartz Blades

Wet cutting segmented rim blades for quartz, volcanic rock and marble.



Diameter	Width	Arbor	Part #
10" (254 mm)	.095	1"	170764
12" (305 mm)	.110	1"	168557
14" (356 mm)	.095	1"	166293
16" (406 mm)	.125	1"	168599
20" (508 mm)	.135	1"	166325



Segment Height: 7 mm



Cost Effective Laser Cut Core shown



MK-62GSPV Professional Granite Silent Core Blades

The MK-62GSPV is available in both sandwich and laser cut core styles thus providing sound reduction. The alternate segment design combines smooth and turbo sections producing clean, fast cuts through hard stone.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	154591
20" (508 mm)	.142	1"	155902
24" (610 mm)	.187	1"	160326



Sandwich core available as special order only.
Segment Height: 12 mm

MARBLE & GRANITE (WET)

These sandwich core diamond blades are manufactured with two steel cores laminated with a copper center to provide the greatest sound reduction, producing only 95dB(A).



MK-62MSL Premium Silent Core Blades for Marble

Diameter	Width	Arbor	Part#
14" (365 mm)	.125	60-50 mm	159270
16" (406 mm)	.125	60-50 mm	159271
18" (457 mm)	.125	60-50 mm	159272
20" (508 mm)	.140	60-50 mm	159273

Segment Height: 10 mm

MK-62GSL Premium Silent Core Blades for Granite

Diameter	Width	Arbor	Part#
14" (365 mm)	.125	60-50 mm	156078
16" (406 mm)	.125	60-50 mm	156079
18" (457 mm)	.125	60-50 mm	158918
20" (508 mm)	.125	60-50 mm	153123



Segment Height: 10 mm

**PROFESSIONAL
(WET)**

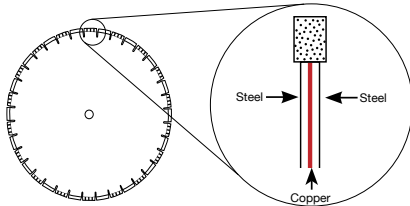


**LASER
WELDED**

MK-62GSL-P Professional Silent Core Blades for Granite

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	60-50 mm	157919
16" (406 mm)	.125	60-50 mm	157921
18" (457 mm)	.125	60-50 mm	159321

Segment Height: 20mm



Sandwich Laminated Silent Core Design
Sandwich laminated steel cores with copper center provide the greatest sound reduction.



Segment Height: 20mm

MK-62MSL-P Professional Silent Core Blades for Marble

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	60-50 mm	157920
16" (406 mm)	.125	60-50 mm	157922
18" (457 mm)	.125	60-50 mm	159323

**GRANITE
& MARBLE (DRY)**



SINTERED

MK-205 Professional Thin-Rim Blades

General purpose super-thin rim blade for dry cutting materials. The MK-205 has an integral steel hub stiffener to help minimize blade flexing. Ideal for sink holes, trimming slabs, and other difficult to cut applications in granite and marble.

Diameter	Width	Arbor	Part#
4" (102 mm)	.050	7/8"-5/8"	164912
4-1/2" (114 mm)	.050	7/8"-5/8"	164913
7" (178 mm)	.070	DM-7/8"-5/8"	164914



Rim Height: 8 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

**GRANITE &
PORCELAIN TILE (DRY)**

These are the perfect blades to finish an installation involving granite or porcelain tile. The MK-250 series 4" blade is designed for use on hand grinders and small circular saws and can be operated wet or dry. The GXC uses a "J" slot design leaving a smooth finish. The GXT offers the fast cutting features of a turbo rim design.



MK-250GXC Premium Continuous Rim Blade

Diameter	Width	Arbor	Part#
4" (102 mm)	.060	7/8"-5/8"	164111
4-1/2" (114 mm)	.060	7/8"-20 mm-5/8"	166368

Rim Height: 5 mm



MK-250GXT Premium Turbo Rim Blade

Diameter	Width	Arbor	Part#
4" (102 mm)	.050	7/8"-5/8"	160970



Rim Height: 7 mm

**HARD & VITREOUS
CERAMIC TILE (DRY)**

MK-304CR Premium Thin-Rim Blades

The MK-304CR dry tile diamond blade has been designed to ensure chip-free cutting of tile and hard, vitreous materials with minimal heat build-up.



Diameter	Width	Arbor	Part#
4" (102 mm)	.060	20 mm-5/8"	156090
4" (102 mm)	.060	7/8"-5/8"	156090Y
4-1/2" (114 mm)	.060	7/8"-5/8"	158139
5" (127 mm)	.060	7/8"-5/8"	157576
7" (178 mm)	.060	DM-5/8"	157770
10" (254 mm)	.060	DM-5/8"	159100



Rim Height: 7 mm

MK-404CR Supreme Thin-Rim Blades

The MK-404CR dry tile diamond blade has been designed to ensure chip-free cutting of tile and hard, vitreous materials with minimal heat build-up.



Diameter	Width	Arbor	Part#
4" (102 mm)	.060	20 mm-5/8"	140277
4-1/2" (114 mm)	.060	20 mm-5/8"	154975
4-1/2" (114 mm)	.060	7/8"-5/8"	154971
5" (127 mm)	.060	20 mm-5/8"	140285
6" (152 mm)	.060	DM-5/8"	140293
7" (178 mm)	.060	DM-5/8"	140301
8" (203 mm)	.060	DM-5/8"	140319



Rim Height: 7 mm



MK T/Segment Turbo Supreme

The MK T/Segment Turbo blade is designed for fast cutting of granite and other hard materials.

Diameter	Width	Arbor	Part#
4" (102 mm)	.085	7/8"-20 mm-5/8"	159437
4-1/2" (114 mm)	.085	7/8"-20 mm-5/8"	159438
5" (127 mm)	.085	7/8"-20 mm-5/8"	159439
7" (178 mm)	.095	DM-7/8"-5/8"	159440



MK T/Segment Contour Professional

The MK T/Segment Contour blade has been designed for fast, clean cutting of granite and hard construction materials and can be used wet or dry. The T/Segment has been specifically designed to prevent undercutting.

Diameter	Width	Arbor	Part#
4" (102 mm)	.149	7/8"-5/8"	159069
4-1/2" (114 mm)	.149	7/8"-5/8"	159070
5" (127 mm)	.155	7/8"-5/8"	159071



MKS-935D Supreme Turbo Blades

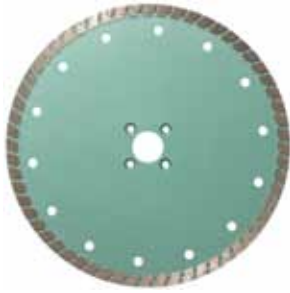
Turbo soft bond, best for granite, marble and other hard materials; good for construction materials including concrete and masonry.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8"-5/8"	167916
4-1/2" (114 mm)	.087	7/8"-5/8"	167917
5" (127 mm)	.087	7/8"-5/8"	167918
6" (152 mm)	.087	7/8"-5/8"	167919
7" (178 mm)	.095	DM-5/8"	167920
8" (203 mm)	.095	DM-5/8"	167921
9" (229 mm)	.102	DM-5/8"	167922
10" (254 mm)	.102	DM-5/8"	167923
12" (305 mm)	.125	1"-20mm	167924
14" (356 mm)	.125	1"-20mm	167925





MK-304FC Profile view



GRANITE & HARD MATERIAL (DRY)



MK-304FC Standard Flush Cutting Blades

The MK-304FC flush cut blade provides a depressed center to allow for cutting flush to vertical/horizontal surfaces. These blades are laser welded for dry cutting.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8"-5/8"	158821
5" (127 mm)	.080	7/8"-5/8"	158822
7" (178 mm)	.080	7/8"-5/8"	158823



Segment Height: 7 mm

MK-925FC Flush Cutting Blades

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20mm w/4 holes	159200
5" (127 mm)	.080	20mm w/4 holes	159475
7" (178 mm)	.090	20mm w/4 holes	159201

Optional blade adapter required to mount on 5/8"-11 arbor shafts, Part#159232
Rim Height: 10 mm

MK Cut & Grind Flush Cut/Grinding Blades

MK Cut & Grind cuts like a traditional diamond blade and grinds like a cup wheel. Designed for use on angle grinders, it can be used for straight cutting, flush cutting, grinding, edge grinding and shaping a variety of building materials including stone, marble, tile and granite.

Diameter	Width	Arbor	Part#
4" (102mm)	.100	5/8"-11	170472
5" (127mm)	.095	5/8"-11	170372

Shown with optional blade adapter. Part# 159232
Rim Height: 10 mm

MK-404PW Premium Grinding Cup Wheels

Premium cup wheels for granite and marble.

Diameter	Type	Nut	Part#
4" (102 mm)	Coarse	5/8"-11	159313
4" (102 mm)	Medium	5/8"-11	159306
4" (102 mm)	Fine	5/8"-11	159311
5" (127 mm)	Coarse	5/8"-11	159307
6" (152 mm)	Coarse	5/8"-11	159315
7" (178 mm)	Coarse	5/8"-11	159310



Snail Lock Grinding Wheels

For wet or dry on marble, stone and hard stone. Coarse grit for finer shaping, fine grit is used just before polishing.

Diameter	Type	Part#
4" (102 mm)	Coarse	157661
4" (102 mm)	Fine	157662



**DIAMOND
CORE BITS (WET)**

**MK-190 Premium Wet Diamond
Core Bits with Cyclone Technology™**



The MK-190 wet diamond core bits are ideal for drilling porcelain, granite, marble, tile, stone, glass and masonry. Designed to operate on any corded or cordless hand drill makes cutting clean holes quick and easy. The bits reduce drilling time by 50%, compared to traditional metal-bond core bits, as diamond particles work at peak performance at all times and there are no bonds to wear away. The reverse spiral thread delivers continuous water feed to the cutting surface areas, this extends bit life and improves drilling speed. Drilling is more efficient with the patent pending ejector slot since there is no need to stop the drilling process to clear plugs. Vacuum brazed technology provides the strongest bond between the diamond particles and the drilling surface of the core bit.

Diameter	Part#
3/16" (5 mm)	166641
1/4" (6 mm)	166642
9/32" (7 mm)	166972
5/16" (8 mm)	166643
3/8" (10 mm)	166644
1/2" (12 mm)	166645
5/8" (15 mm)	166646
3/4" (20 mm)	166647
1" (25 mm)	166648
1-1/4" (30 mm)	166973
1-3/8" (35 mm)	167169



1. Place the raised sintered edge of the bit at a 45 degree angle to the tile. Start drilling to create a half circle.



2. Continue drilling and raise the bit to 90 degrees to complete the hole in the tile.



3. Patent pending ejector slot clears the plug during repeated drilling operations.

The MK-190 core bits are the most effective tool in cutting a wide range of hard tiles.

	Porcelain	Glass	Quarry	Terracotta	Glazed	Terrazzo	Agglomerate	Cement
Ceramic Tile Hardness Grades								
Soft	◆	◆	◆	◆	◆	◆	◆	◆
Medium	◆	◆	◆	◆	◆	◆	◆	◆
Medium/Hard	◆	◆	◆	◆	◆		◆	
Hard	◆		◆				◆	
Extremely Hard	◆		◆				◆	

MK-290 Premium Tile/Marble Core Bits

Designed to cut clean, smooth holes through all ceramic tile and marble. Replaceable pilot drill prevents bit from wandering when starting hole. Diamond rim is turbo-style on sizes up to 2-1/4" and continuous on bits larger than 2-1/4". Can be used wet or dry. 10 mm shank.



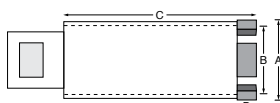
Diameter	Part#
1/2" (13 mm)	157605
5/8" (16 mm)	159430
3/4" (19 mm)	157606
7/8" (22 mm)	159431
1" (25 mm)	157607
1-1/8" (29 mm)	159432
1-1/4" (32 mm)	157808
1-3/8" (35 mm)	151019
1-1/2" (38 mm)	152793
1-5/8" (41 mm)	159433
1-3/4" (44 mm)	157706
1-7/8" (48 mm)	159434
2" (51 mm)	157608
2-1/4" (57 mm)	157911
2-1/2" (64 mm)	152794
2-3/4" (70 mm)	159435
3" (76 mm)	159436



Replacement pilot drill part# 151375-149



STONE CORE BITS (WET)



A: Outside dimension
B: Inside dimension
C: Drill depth
D: Diamond depth

MK-290GW Premium Granite Core Bits

These wet core bits with an aggressive segmented rim are designed for granite. The MK-290GW core bits are perfect for pipe and faucet holes.

A	B	C	D	Thread	Part#
1"	0.75"	3.25"	.25"	5/8" - 11	158919
1-1/8"	0.85"	3.25"	.25"	5/8" - 11	158920
1-1/4"	1.00"	3.25"	.25"	5/8" - 11	158921
1-3/8"	1.10"	3.25"	.25"	5/8" - 11	158922
1-1/2"	1.25"	3.25"	.25"	5/8" - 11	158923
1-5/8"	1.40"	3.25"	.25"	5/8" - 11	158924
1-7/8"	1.60"	3.25"	.25"	5/8" - 11	160118
2"	1.75"	3.25"	.25"	5/8" - 11	158925
2-1/4"	2.00"	3.25"	.25"	5/8" - 11	159424
2-1/2"	2.25"	3.25"	.25"	5/8" - 11	162578
2-7/8"	2.60"	3.25"	.25"	5/8" - 11	160119
3"	2.75"	3.25"	.25"	5/8" - 11	160096
4"	3.75"	3.25"	.25"	5/8" - 11	161177



CORE BITS



Pin Core Bits Oil Filled Core Bits

Excellent for drilling all porcelain and hard stone. Through the innovative use of oil, these pin bits do not require water. The hollow shank is filled with olive oil. The oil acts as a cutting lubricant, is water soluble and does not stain or drip. Utilizing brazing technology, these diamond tipped, pin bits provide fast and efficient drilling. Drilling depth 1-3/8". For use with battery powered drills.

Diameter	Shank	Type	Part#
3/16" (5 mm)	1/2"	Oil Filled	169611
1/4" (6 mm)	1/2"	Oil Filled	169660
9/32" (7 mm)	1/2"	Oil Filled	169661
5/16" (8 mm)	1/2"	Oil Filled	169662
3/8" (10 mm)	1/2"	Oil Filled	169663
1/2" (13 mm)	1/2"	Oil Filled	169664
5/8" (16 mm)	1/2"	Oil Filled	169665

Diameter	Nut	Type	Part#
3/4" (19 mm)	5/8"-11	No Oil	169666
1" (25 mm)	5/8"-11	No Oil	169667
1-1/4" (30 mm)	5/8"-11	No Oil	169668
1-3/8" (35 mm)	5/8"-11	No Oil	169669



Drills 20mm and larger required a 5/8"-11 shank adapter to use with 1/2" drill chucks.

Shank Adapters

Male Thread	Shaft	Part#
5/8"-11	Taper Shaft	152213
5/8"-11	1/2" Straight Shaft	154070



MK-1503-SS Stone Polishing Hand Tool

The MK-1503SS wet polisher is ideal for handheld grinding and polishing of gemstones, rock materials, marble and granite. The handheld grinder easily attaches to a standard hose to enable the unit to dispense a steady flow of water through a control valve to the work piece. The MK-1503-SS comes with water hose, GFCI, D-handle, side handle, gear box cover, carrying case and spanner wrenches. The MK-1503SS Kit also includes 4" resin polishing disc set and a 4" rubber backer pad. One-year limited warranty.

Engine/Motor MK Diamond (Electric)

Power 800 Watt, 120V

RPM 3200

Amps 7.9

Shaft 5/8"-11

Max Pad Diameter 5" (127 mm)

Weight 6 lbs. (2.7 kg)

Includes

- GFCI Switch
- Water Hose
- Spanner Wrenches
- Plastic Carrying Case

Kit also includes:

- 4" Resin Bond Polishing Disc Set
- 4" Rubber Backer Pad

Model	MK-1503-SS (120V)	MK-1503-SS (220V)	MK-1503-SS Kit (120V)
Part#	167556	167556-220	157493-MK



MK-1503-SS Kit

This polisher operates on standard house current and is designed with an ergonomic sure-grip handle.



MK-1503 Air Stone Polishing Hand Tool

Lightweight and compact, the MK-1503 Air Polisher is one of the most durable tools of its kind for polishing stone. The water-tight sealed bearings provide long life and smooth rotational speeds. This tool's versatility allows for 3, 4 and 5 inch discs to be used. The air vent is at rear of tool so that exhaust is carried away from operators' hands by the hose protector. One-year limited warranty.

Air Consumption 16 cfm / 0.45 cmm @ 90 psi

Speed Variable up to 5500 RPM

Shaft 5/8"-11

Length 10-1/4" (260 mm)

Max Pad Diameter 5" (127 mm)

Air Compressor 5 Hp (min.)

Weight 2.7 lbs. (1.2 kg)

Includes

- 25' Water Hose
- 5' Air Hose
- 3' Air / Water Hose Protector
- Side Handle

Kit also includes:

- 4" Resin Polishing Disc Set
- Hard Rubber Back Plate Disc
- Carrying Case

Model	MK-1503 Air	MK-1503 Air Kit
Part#	158686	158686-MK



Shown w/ optional backer and pad



Rear air vent exhaust

Aluminum Backer Plates



MK Diamond Aluminum Backer Plates reduce surface distortion and wavy results on straight edges. Max 4,000 RPM.

Pad Size	Nut	Part#
3" (76 mm)	5/8"-11	158773
4" (102 mm)	5/8"-11	158774
5" (127 mm)	5/8"-11	158775

Rubber Backer Plates



The MK Diamond Rubber Backer Plates provide a flexible and durable attaching surface for all resin and ceramic discs. Ideally suited for tough contours and inside curves, these backer plates allow the user to get in tight corners with ease and flexibility.

Pad Size	Nut	Part#
3" (76 mm)	5/8"-11	157107
4" (102 mm)	5/8"-11	155795
5" (127 mm)	5/8"-11	155878
7" (178 mm)	5/8"-11	155968

Rigid Backer Plates



Rigid Velcro® backed backer plate for attaching polishing pads to hand-held polishing tools. Max 4,000 RPM.

Pad Size	Nut	Part#
3" (76 mm)	5/8"-11	158771
4" (102 mm)	5/8"-11	157603
5" (127 mm)	5/8"-11	158772

Snail Lock Backer Plates



Velcro® backed disc for attaching polishing pads to Snail Lock Adapter.

Pad Size	Part#
4" (76 mm)	159236
5" (127 mm)	159237

SNAIL LOCK ADAPTER



Snail Lock Clamshell Adapter

Snail Lock Adapter has a rubber mounted back for improved isolation/dampening during polishing operations. Clamshell attaches male snail lock products to 5/8" - 11 shafts.

Pad Size	Thread	Part#
4" (102 mm)	5/8"-11	158432
5" (127 mm)	5/8"-11	158433

POLISHING PADS
(WET/DRY)

MK Diamond 5-step polishing pads improve efficiency of polishing by 20%. These pads are easy to use and provide greater flexibility.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



5-Step Dry Polishing Pads

The MK Diamond dry pads are specially formulated to reduce polishing granite to a time saving 5 step process. Maximum speed: 4000 RPM.

Diameter	Step	Grit	Part#
4" (102 mm)	1	50	166941
4" (102 mm)	2	400	166942
4" (102 mm)	3	800	166943
4" (102 mm)	4	1500	166944
4" (102 mm)	5	3000	166945
Polishing Pad Set (Includes one of each)			168027



5-Step Wet Polishing Pads

The MK Diamond wet pads are specially formulated to reduce polishing granite to a time saving 5 step process. Maximum speed: 4000 RPM.

Diameter	Step	Grit	Part#
4" (102 mm)	1	50	166949
4" (102 mm)	2	400	166950
4" (102 mm)	3	800	166951
4" (102 mm)	4	1500	166952
4" (102 mm)	5	3000	166953
Polishing Pad Set (Includes one of each)			168028



**POLISHING DISC
(WET)**

4" Convex Polishing Discs

Convex, Velcro® backed discs. Disc backs are color coded for easy grit size identification. Max 3,700 RPM. Set includes one disc of each grit and backer plate.



Grit	Part#
60	159033
150	159034
300	159035
500	159036
1000	159037
2000	159038
3000	159039
Buff	159040
Set 8 Discs & Backer Plate	159041



**POLISHING DISCS
(DRY)**

4" Flexible Polishing Discs

Flexible, Velcro® backed discs for dry polishing granite and marble. Disc backs are color coded for easy grit size identification. Max 3,700 RPM. Set includes one disc of each grit (50 to 3000), black buff and backer plate.

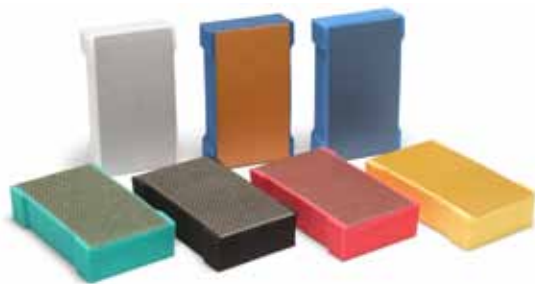


Grit	Part#
50	159060
100	159061
200	159062
400	159063
800	159064
1500	159065
3000	159066
Buff (Black)	159067
Set 8 Discs & Backer Plate	159068



Wet/Dry Foam-Block Polishing Pads

These specially designed pads make polishing small areas of marble and granite easy. Available grit sizes work from rough to final finish.

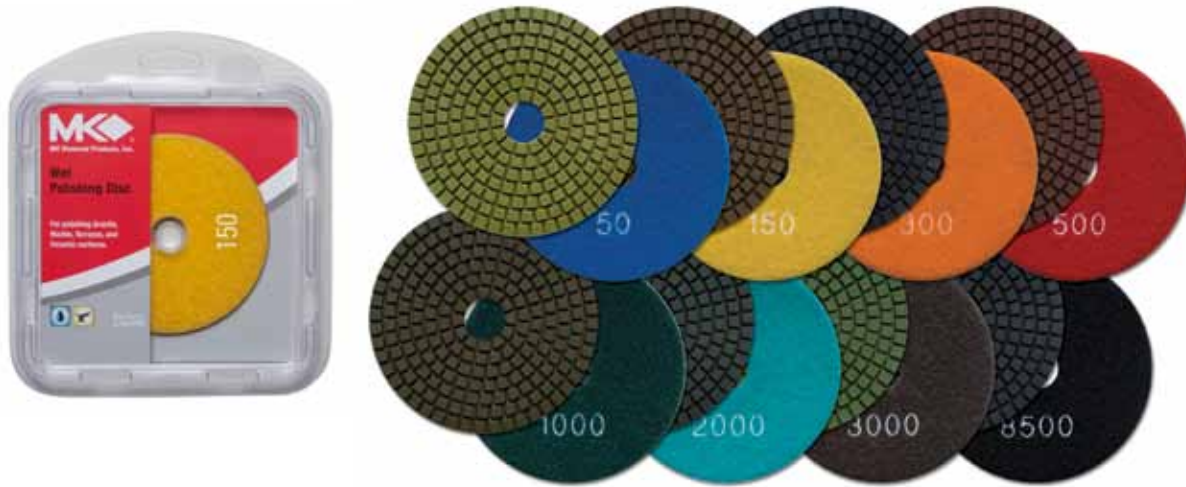


Grit	Part#
60	159050
120	159051
200	159052
400	159053
800	159055
1800	159056
3500	159057



Block size: 4" x 2-1/4"

POLISHING DISCS
(WET)



Resin Bond Polishing Discs

Flexible, Velcro® backed polishing discs have been designed to achieve a scratch-free, highly polished finish on all straight or contoured granite and marble edges. The Velcro® backing allows for fast disc changes, and each disc is color coded for easy grit size identification. Kit includes 50, 150, 300, 500, 1000, 2000 and 3000 grit discs, black buff disc and flexible rubber backer plate. Max 3,700 RPM.

Grit	Premium 3" / Part#	Premium 4" / Part#	Professional 4" / Part#	Premium 5" / Part#
50	157108	155796	158901	155876
150	157109	155797	158902	155877
300	157110	155798	158903	155955
500	157111	155799	158904	155956
1000	157112	155800	158905	155957
2000	157113	155801	158906	155958
3000	157114	155818	158907	155959
Black Buff (8500)	157115	157239	158908	155960
White Buff (8500)*	166421	157250	158909	166422
Polishing Kit (Discs & backer plate)	157116	153564	158910	157130



*Use for final buff on light colored stone without marking material and not included in kit.

POLISHING DISCS
(WET)



4" Snail Lock Polishing Discs

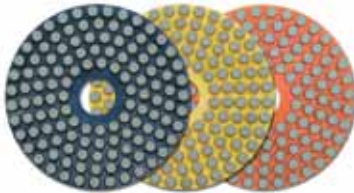
Long life, high quality, snail lock polishing discs for use on automatic edge-polishing machines. Max 3,700 RPM.

Grit	Part#
50	157616
100	157617
200	157618
500	157619
800	157621
2000	157622
3000	157623



Requires snail lock adaptor backer plate part# 158432

POLISHING DISCS
(WET)



4" Vitrified Polishing Discs

Flexible, Velcro® backed discs for light shaping, smoothing, and initial polishing of granite or marble. Max 3,700 RPM.

Grit	Part#
60	158898
150	158899
300	158900



GRINDING DISCS
(DRY)



PVQ Dry Grinding Discs



PVA Dry Grinding Discs

Dry Grinding Discs

Four-inch diameter Dry Grinding Discs, for dry marble polishing, have been specially designed for bullnose and flat edge polishing. PVA discs fit 4" Makita® angle grinders with 5/8" arbor. PVQ discs have a quick lock backer, Snail Lock attachment (not included) required. PVA set includes 2 discs of each grit. PVQ set includes 1 disc of each grit.

Grit	Description	PVQ	PVA
40	Extra Coarse	158835	157487
80	Coarse	158836	157488
220	Medium	158837	157489
400	Fine	158838	157490
600	Extra Fine	158839	157491
Set		158840	157492



PVQ: Maximum speed: 4,000 RPM. Sold in boxes of 5. Snail Lock attachment required, Part#158432.
PVA: Maximum speed: 12,000 RPM. Sold in boxes of 10. Fits on 4" Makita™ angle grinders.



MK Finger Bits Premium Cutting Finger Bits

MK Diamond finger bits are designed for rough grinding and shaping in granite and marble.

Diameter	Length	Shaft	Part#
1" (25 mm)	1-5/8"	1/2" Gas	159048
1" (25 mm)	2"	1/2" Gas	159049



MK Gear Wheels

Diameter	Length	Nut	Part#
2" (51 mm)	1-3/8"	5/8"-11	159042
2" (51 mm)	1-5/8"	5/8"-11	159043
3" (76 mm)	1-3/8"	5/8"-11	159044
3" (76 mm)	1-5/8"	5/8"-11	159045
4" (102 mm)	1-3/8"	5/8"-11	159046
4" (102 mm)	1-5/8"	5/8"-11	159047



MK Sintered Vanity Wheels

The MK Sintered Vanity Wheels have been designed for use on a wet-feed, right-angle grinder to grind sink openings in marble and granite. Specifically designed to provide reduced vibration and have a non-rusting body.

Grit	Diameter	Nut	Part #
36 (coarse)	2" (51 mm)	5/8"-11	159238
60 (medium)	2" (51 mm)	5/8"-11	159239
120 (fine)	2" (51 mm)	5/8"-11	159240

Length 2" (51 mm)



PROFILE MILLERS
(WET)

Segmented and sintered profile millers can be used on both granite and marble.
SHAFT 1/2 GAS.



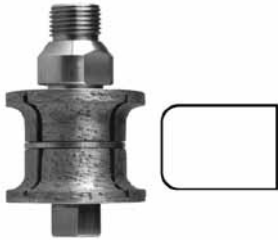
B-Profile Tool Half Bullnose

Size	Segmented	Sintered
20 mm	154843	155870
30 mm	154844	155871
40 mm	154845	155872



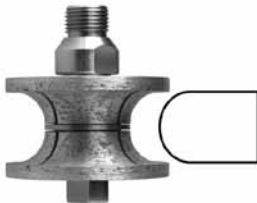
F-Profile Tool Ogee

Size	Segmented	Sintered
20 mm	159366	155864
30 mm	159367	155865
40 mm	159368	155866



T-Profile Tool

Size	Segmented	Sintered
20 mm	159384	155873
30 mm	159385	155874
40 mm	159386	155875



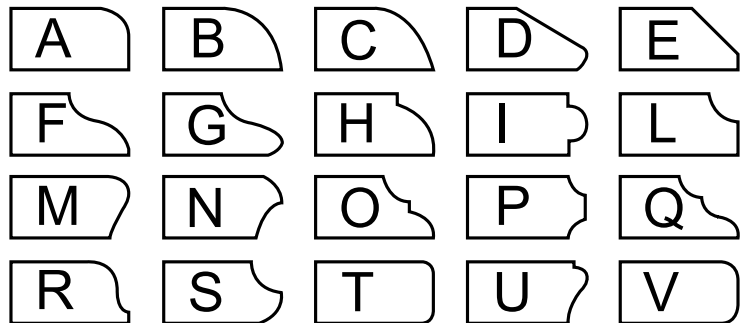
V-Profile Tool Full Bullnose

Size	Segmented	Sintered
20 mm	159390	155867
30 mm	159391	155868
40 mm	159392	155869



Sintered Profile
Tools Shown

AVAILABLE PROFILES



Profiles not listed above are available as special order items.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

PROFILE WHEELS MK-275 profile wheels provide a clean, professional contour for marble and granite. Both the electroplated and sintered profile wheels ensure high quality and uniformity. MK Diamond's profile wheels require no special saw modification and mount to most tile saws quickly and easily.



MK-275 Electroplated Profile Wheels for Marble

		3/8" Radius	1/2" Radius	45° Bevel	Ogee
Diameter	Arbor	Part#	Part#	Part#	Part#
6" (152 mm)	5/8"	151694	152613	152080	152614
8" (203 mm)	5/8"	154025	154026	154027	154028
10" (254 mm)	5/8"	152022	152616	152615	152617



MK-275G, MK-275GHP Sintered Profile Wheels for Granite

		3/8" Radius	1/2" Radius	45° Bevel	Ogee
Diameter	Arbor	Part#	Part#	Part#	Part#
6" (152 mm)	5/8"	155853	155854	155855/154931*	158377
8" (203 mm)	5/8"	155856	155857	•	•





MK-400BDB Brazed Diamond Profile Bits

For profiling granite, marble and limestone.

Shape	Profile/Radius	Diameter	Nut	Part#
Half Bullnose	A - 3/8"	3-1/2"	5/8"-11	400038
Half Bullnose	A - 3/16"	3-1/2"	5/8"-11	400039
Half Bullnose	B - 1/2"	3-1/2"	5/8"-11	400012
Half Bullnose	C - 3/4"	4"	5/8"-11	400034
45° Bevel	E - 45° Bevel	4"	5/8"-11	400040



MK-480SDR Segmented Diamond Router Bits

For profiling granite, marble and limestone.

Shapes	Profile/Size	Diameter	Nut	Part#
Half Bullnose	B-10mm	3-1/2"	5/8"-11	480010
Half Bullnose	B-15mm	3-1/2"	5/8"-11	480015
Half Bullnose	B-20mm	3-3/4"	5/8"-11	480020
Half Bullnose	B-25mm	4-1/4"	5/8"-11	480025
Half Bullnose	B-30mm	4-1/4"	5/8"-11	480030
Ogee	F-20mm	3-1/2"	5/8"-11	480120
Full Bullnose	V-30mm	3-3/4"	5/8"-11	480330
Full Bullnose	V-40mm	4"	5/8"-11	480340



EZ PROFILER Engineered specifically for the EZ-Profiler these wet cutting profile bits have a 5/8"-18 female thread.



MK-400BDB for EZ Profiler Brazed Diamond Profile Bits

These vacuum brazed diamond profile wheels provide a cost effective and efficient means for profiling marble, soft-granite, travertine and porcelain tile. Each wheel is designed for fast material removal and improved life providing a perfect profile. Each wheel has a rubber guide to protect the wheel from marring the material.

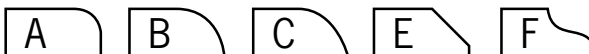
Shape	Profile/Radius	Diameter	Nut	Part #
Half Bullnose	A - 3/8"	3-1/2"	5/8" - 18	400038-18
Half Bullnose	A - 3/16"	3-1/2"	5/8" - 18	400039-18
Half Bullnose	B - 1/2"	3-1/2"	5/8" - 18	400012-18
Half Bullnose	C - 3/4"	4"	5/8" - 18	400034-18
45° Bevel	E - 45° Bevel	4"	5/8" - 18	400040-18



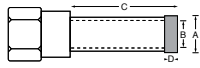
MK-480SDR for EZ Profiler Segmented Diamond Profile Bits

The segmented design provides aggressive shaping and longer life. The design of the profile bit allows fast, even removal rates with minimal effort.

Shape	Profile/Size	Diameter	Nut	Part #
Half Bullnose	B-10mm	3-1/2"	5/8" - 18	480010-18
Half Bullnose	B-15mm	3-1/2"	5/8" - 18	480015-18
Half Bullnose	B-20mm	3-3/4"	5/8" - 18	480020-18
Ogee	F-20mm	3-1/2"	5/8" - 18	480120-18



LAPIDARY CORE BITS (WET)

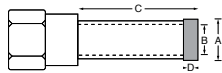


A: Outside dimension
B: Inside dimension
C: Drill depth
D: Diamond depth



MK Lapidary Core Bits Premium Core Bits

A	B	C	D	Nut	Part#
3/16"	.10"	2-1/4"	.25"	3/4"-16	156507
1/4"	.20"	2-1/4"	.25"	3/4"-16	156508
5/16"	.25"	2-1/4"	.25"	3/4"-16	156509
3/8"	.30"	2-1/4"	.25"	3/4"-16	156510
7/16"	.35"	2-1/4"	.25"	3/4"-16	156511
1/2"	.40"	2-1/4"	.25"	3/4"-16	156512
5/8"	.50"	2-1/4"	.25"	3/4"-16	156513
3/4"	.60"	2-1/4"	.25"	3/4"-16	156514



A: Outside dimension
B: Inside dimension
C: Drill depth
D: Diamond depth



MK Lapidary Core Bits Premium Core Bits

A	B	C	D	Nut	Part#
3/16"	.10"	1-1/2"	.25"	5/8"-11	159564
1/4"	.20"	1-1/2"	.25"	5/8"-11	159565
5/16"	.25"	1-1/2"	.25"	5/8"-11	159566
3/8"	.30"	1-1/2"	.25"	5/8"-11	159567
7/16"	.35"	1-1/2"	.25"	5/8"-11	159568
1/2"	.40"	1-1/2"	.25"	5/8"-11	159569
5/8"	.50"	1-1/2"	.25"	5/8"-11	159570
3/4"	.60"	1-1/2"	.25"	5/8"-11	159571

LAPIDARY BLADES (WET)



MK-301 lapidary blades require a petroleum based or synthetic cutting oil as a cutting fluid/coolant. Water is not suitable to use with these blades and will result in damage to the blade's cutting capacity and will void the warranty. The blades should not be used dry under any circumstances.

MK-301 Gemking™

MK-301 Gemking lapidary blades have 9 solid diamond sintered kerf providing excellent coolant flow. The MK-301 provides superior cutting performance for hard materials such as agate, petrified wood or jade.

Diameter	Width	Arbor	Part#
6" (152 mm)	.025	5/8"	166066
8" (203 mm)	.040	5/8"	166067
10" (254 mm)	.040	5/8"	166068
12" (305 mm)	.065	1"	166069
14" (356 mm)	.065	1"	166070
14" (356 mm)	.080	1"	168536
16" (406 mm)	.085	1"	166071
18" (457 mm)	.085	1"	166072
20" (508 mm)	.085	1"	166073



Rim Height: 5 mm
Special arbors available upon request. Stock arbors can be bushed to smaller sizes.
Please specify at time of order.



The MK-303 is for cutting gemstone and lapidary materials, such as agate, quartz, jasper, and jade.

MK-303 Professional Blades

The MK-303 Professional grade diamond blade has been designed for cutting rare and valuable materials when waste needs to be held to a minimum and speed of cut is essential. The MK-303 produces smoother cuts, lasts longer and cuts faster than ordinary notched rim or plated diamond blades. Designed for use with a water soluble coolant.

Diameter	Width	Arbor	Part#
4" (102 mm)	.014	1/2"	153742
4" (102 mm)	.014	5/8"	153743
4" (102 mm)	.020	1/2"	153629
4" (102 mm)	.020	5/8"	153689
5" (127 mm)	.020	1/2"	153739
5" (127 mm)	.020	5/8"	153740
6" (152 mm)	.014	1/2"	153744
6" (152 mm)	.014	5/8"	153745
6" (152 mm)	.020	1/2"	153691
6" (152 mm)	.020	5/8"	153692
6" (152 mm)	.032	1/2"	153630
6" (152 mm)	.032	5/8"	153690
6" (152 mm)	.040	5/8"	156659
6" (152 mm)	.060	5/8"	157179
7" (178 mm)	.030	1"	169744
7" (178 mm)	.050	5/8"	156722
8" (203 mm)	.025	5/8"	153693
8" (203 mm)	.025	1"	153741
8" (203 mm)	.032	5/8"	153694
8" (203 mm)	.060	5/8"	156723
9" (229 mm)	.060	5/8"	156724
10" (254 mm)	.032	5/8"	153695
10" (254 mm)	.040	5/8"	153696
10" (254 mm)	.050	5/8"	156725
10" (254 mm)	.060	5/8"	157180
12" (305 mm)	.065	1"	156726
14" (356 mm)	.070	1"	156727
16" (406 mm)	.085	1"	156728
18" (457 mm)	.085	1"	156729
20" (508 mm)	.100	1"	156730
24" (610 mm)	.100	1"	156731
30" (762 mm)	.125	1"	156732
36" (914 mm)	.200	1"	157046



Rim Height: 4"-20" is 5mm, 24"-36" is 10mm.
Special arbors available upon request. Stock arbors can be bushed to smaller sizes.
Please specify at time of order. 16" and larger are segmented blades.



SERVICE OR WARRANTY
WARNING
DO NOT operate this equipment before reading the owners manual

WARNING
In the event of blade failure, replace blade guard immediately

14

MK
Brick Saw

MK
Brick Saw

Masonry



MK Diamond masonry products provide the features and quality that professionals require. Our masonry saws, diamond blades and diamond core bits are especially designed to tackle any brick, paver or masonry cutting job.



United States patent No:
7,284,547, 7,159,586 and 6,687,972

BX-4™ 1-3/4 Hp, 14" Wet/Dry Cutting Masonry Saw

The BX-4™ is the only lightweight masonry saw to use a patent pending misting system to control dust generated during cutting. The ergonomically designed handle allows for easy operation and control from either the left or right hand. Unique features include a removable plastic tray and a locking table. The adjustable depth stop prevents cutting through the table. One-year limited warranty.

Motor	Electric	
Power	1-3/4 Hp, 120V	
Blade Capacity	14" (356 mm)	
Arbor Size	1" (25 mm)	
Depth of Cut	5" (127 mm)	
Length of Cut	16" (406 mm)	
L x W x H (inches)	35" x 24" x 21"	
L x W x H (mm)	889 x 610 x 533	
Weight	70 lbs. (32 kg)	
Includes	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Water Tank (Misting system only) • Rip Guide 	
Model	BX-4™ (misting)	BX-4™ (non-misting)
Part#	165486	162761
Optional	Stand with casters	
Part#	162771	



Patent Misting System significantly reduces amount of dust during cutting



Table can be removed or locked in place for ease of travel



Removable filter protects motor from dust particles



**LASER
WELDED**

BX-10 Premium Hard Brick Blade

Diameter	Width	Arbor	Part#
14" (356 mm)	.110	1"	157957



Segment Height: 10 mm



**LASER
WELDED**

BX-30 Premium Brick/Block Blade

Diameter	Width	Arbor	Part#
14" (356 mm)	.110	1"	157944



Segment Height: 10 mm



MK-1080 10" Wet/Dry Cutting Brick Saw

The MK-1080 is a lightweight and portable brick saw. The high torque, 1-1/2 Hp motor delivers plenty of power to cut pavers and hard brick. The steel frame provides durability and strength, while the spring-loaded cutting head is balanced and improves operator visibility during all cutting operations. One-year limited warranty.

Motor	Baldor (Electric)	
Power	1-1/2 Hp, 120V	
Blade Capacity	10" (254 mm)	
Arbor Size	5/8" (127 mm)	
Depth of Cut	3-3/4" (95 mm)	
Length of Cut	16" (406 mm)	
L x W x H (inches)	33" x 23" x 23"	
L x W x H (mm)	838 x 584 x 584	
Weight	98 lbs. (44 kg)	
Includes	<ul style="list-style-type: none"> • Water Pump • Rip Guide 	
Part#	153203	
Optional	Stand	Stand w/casters
Part#	168244	169243



Cutting table travels on steel roller wheels to provide precise cutting



Recoil spring counterbalanced cutting head



Heavy-duty blade shaft assembly with dual-sealed bearings

(Available with 220V/50Hz motor)
Blade not included.

Recommended Diamond Blades



MK-10 Supreme Grade
Brick Segmented

Size	Part #
10"	130203



MK-565SKMR Supreme Grade
General Purpose Segmented

Size	Part #
10"	168037



MK-925D Supreme Grade
General Purpose Turbo

Size	Part #
10"	150672





MK-1280 16" Wet/Dry Cutting Brick Saw

The MK-1280 is designed for landscaping, paving and masonry job sites. It's simple to operate and requires limited maintenance. This saw is designed for cutting large format bricks and pavers. The steel frame provides durability and strength. The closed back design with vacuum port helps in dust control. One-year limited warranty.

Motor/Engine	Honda (Gas)	Baldor (Electric)
Power	GX240*	2Hp 120V/230V
Blade Capacity	16" (406 mm)	16" (406 mm)
Depth of Cut	5-3/4" (146 mm)	5-3/4" (146 mm)
Length of Cut	13.5" (343 mm) (2" Thick Brick)	13.5" (343 mm) (2" Thick Brick)
L x W x H (inches)	48.5" x 20.5" x 33"	40" x 20.5" x 30"
L x W x H (mm)	1,232 x 521 x 838	1,016 x 521 x 762
Weight	200 lbs. (91 kg)	185 lbs. (84 kg)
Part#	166561	167492



Adjustable water supply for wet cutting



Vacuum port helps in dust control



Wear resistant steel roller wheels provide the table with good load carrying capacity

Optional Cart

Part# 167437

*Engine Power Information listed on page 157.
Blade not included.

Recommended Diamond Blades



MK-414PBSL Pentar Brick Slant Slot Blade
The slant slots provide additional cooling and fines removal, improving the speed of cut in hard/dense materials.

Size	Part #
16"	160765



MK-762DMX Supreme Grade Segments are laser welded for increased durability and long life. This high speed blade uses an arrayed pattern of diamonds for maximum abrasion/material removal.

Size	Part #
16"	161294



Optional cart for easy transportation



MK-2001SV



MK-2000 Electric Series 14" Wet/Dry Cutting Masonry Saw

The powerful MK-2000 brick saw features include a unique and innovative open-back design allowing large material to be easily cut. The cast aluminum blade guard has stainless steel water tubes that will not bend or rust. The blade shaft assembly is built with sealed, permanently lubricated, heavy-duty bearings for long maintenance free life. The recoil spring return cutting head makes plunge cutting quick and easy. One-year limited warranty.

Blade Capacity	14" (356 mm)	
Arbor Size	1" (25 mm)	
Depth of Cut	5" (127 mm)	
Length of Cut	16" (406 mm)	
Model	MK-2001SV	MK-2002
Engine/Motor	Baldor (Electric)	Baldor (Electric)
Power	1-1/2 Hp, 115V	2 Hp, 115V/230V*
L x W x H (inches)	34" x 25" x 32"	34" x 25" x 32"
L x W x H (mm)	864 x 635 x 813	864 x 635 x 813
Weight	157 lbs. (71.2 kg)	163 lbs. (73.9 kg)
Includes	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Electric Water Pump • Rip Guide 	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Electric Water Pump • Rip Guide
Part#	161195	150598
Optional	Stand	
Part#	153331	

*Available with 50Hz motor



Stay level blade guard allows for maximum depth of cut



Open-back design allows for material up to 16" long to be cut



Fork lift brackets for ease of transportation



MK-2005H



MK-2007K

MK-2000 Gas Series 14" Wet/Dry Cutting Masonry Saws

The MK-2000 Gas Series of masonry saws have been designed for high-production cutting. The pull-down handle on the cutting head prevents operator fatigue and increases visibility during all cutting operations. Jig-welded, reinforced steel construction, combined with sturdy die cast aluminum uprights, provide positive alignment. Specially located forklift brackets under the frame provide lifting control points for ease of transportation. One-year limited warranty.

Blade Capacity	14" (356 mm)			
Arbor Size	1" (25 mm)			
Depth of Cut	5" (127 mm)			
Length of Cut	16" (406 mm)			
Model	MK-2005H	MK-2006R	MK-2006V	MK-2007K
Engine/Motor	Honda (Gas)	Subaru (Gas)	Vanguard (Gas)	Kohler (Gas)
Power	GX160 Cyclone*	EX17*	13H3*	CH270*
L x W x H (inches)	41" x 25" x 42"	41" x 25" x 42"	41" x 25" x 42"	41" x 25" x 42"
L x W x H (mm)	1,041 x 635 x 1,067	1,041 x 635 x 1,067	1,041 x 635 x 1,067	1,041 x 635 x 1,067
Weight	187 lbs. (84.8 kg)	187 lbs. (84.8 kg)	187 lbs. (84.8 kg)	187 lbs. (84.8 kg)
Includes	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Centrifugal Water Pump • Rip Guide 	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Centrifugal Water Pump • Rip Guide 	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Centrifugal Water Pump • Rip Guide 	<ul style="list-style-type: none"> • 14" Dry Cutting Diamond Blade • Centrifugal Water Pump • Rip Guide
Part#	155961	159885	169947	167999
Optional	Stand			
Part#	153331			

*Engine Power Information listed on page 157.



Jack shaft system on gas powered saws utilizes Micro-V belts and precision machined pulleys



Shock-absorbing engine mounts for smooth operation



Self-priming centrifugal water pump (gas only)



MK-5005S

MK-5000 Electric Series Wet Cutting Block Saws

The MK-5000 Series of block saws set the quality standard for durability and maintenance-free operation. These saws are specially designed to provide the highest level of productivity, operator safety and convenience. Heavy-duty cast aluminum and steel parts ensure the finest value in the masonry and stone industry. One-year limited warranty.

Motor Baldor (Electric)

Length of Cut 20" (508 mm)

L x W x H (inches) 53" x 26" x 63"

L x W x H (mm) 1,346 x 660 x 1,600

Includes • Electric Water Pump • Rip Guide

Model	MK-5005S	MK-5005T	MK-5007T
Power	5 Hp, 208-230V 1PH	5 Hp, 230V 3PH/5 Hp, 460V 3PH	7.5 Hp, 230V 3PH/7.5 Hp, 460V 3PH
Weight	445 lbs. (202 kg)	451 lbs. (205 kg)	485 lbs. (220 kg)
Blade Guard Options			
Size	14" 20"	14" 20"	14" 20" 24"
Depth of Cut	5" (127 mm) 8" (203 mm)	5" (127 mm) 8" (203 mm)	5" (127 mm) 8" (203 mm) 10" (254 mm)
208-230V Part#	160634-14 160634	160636-14 160636	160641-14 160641 160641-24
460V Part#	• •	160637-14 160637	160642-14 160642 160642-24
Model	MK-5010S	MK-5010T	MK-5010T
Power	10 Hp, 230V 1PH	10 Hp, 3PH	10 Hp, 3PH with Inverter
Weight	503 lbs. (228 kg)	503 lbs. (228 kg)	503 lbs. (228 kg)
Blade Guard Options			
Size	24"	24"	20"
Depth of Cut	10" (254 mm)	10" (254 mm)	8" (203 mm)
208-230V Part#	169328	169330	169329
460V Part#	•	169331	169337

Model MK-5009T

Power 9 Hp, 208-230V 3PH/9 Hp, 460V 3PH

Weight 503 lbs. (228 kg)

Blade Guard 14" 20" 24"

Depth of Cut 5" (127 mm) 8" (203 mm) 10" (254 mm)

208-230V Part# 160646-14 (3PH) 160646 (3PH) 160646-24 (3PH)

460V Part# 160647-14 (3PH) 160647 (3PH) 160647-24 (3PH)

(Motor available in other electrical configurations.)

Blade not included.

MK-5000 Electric Features



All MK-5000 Electric Saws feature an industrial, heavy-duty Baldor Motor with 1 or 3 phase power. Motor options include 5, 7, 9 or 10 horsepower.



Drive System

Micro V-Belt design drive system for more power transfer.



Heavy-Duty Starter

NEMA 12 water-proof enclosure with heavy-duty starter on 3 phase saws. Safety Switch prevents accidental restart if electrical current is disrupted. Also available in low voltage switch.



CORNER VENEER FIXTURE



▲ Higgins Jig
For cutting veneer corners.



▼ Higgins Jig with riser
For cutting veneer flats & corners.

HIGGINS JIG CORNER AND FLAT VENEER FIXTURES

The patent pending design allows for a two-step process for cutting right angle corners, paver corners and lintel corners. When compared to the usual 4 to 5 step process – the Higgins Jig can reduce cutting time to just 8 to 10 seconds, depending on the type of material being cut.

The Higgins Jig and riser combination provides increased speed of veneer cuts. By reducing the cutting stroke, cutting time is reduced by 20%.

Although increased production is one of the major advantages, safety is the most important feature of the Higgins Jig. Both of the operator's hands are safely guarded from the blade at all times by hand-hold guards. The Higgins Jig will fit any MK-5000 series saw.

Higgins Jig 169548

Higgins Jig with Riser 170158



Easy to adjust to any thickness.



Hands are safely protected from blade.



Cuts right angle corners, paver corners and lintel corner.



MK-5000 Gas Series Wet Cutting Block Saws

The MK-5000 Series gas block saw provides power and jobsite performance when a gas-powered saw is the only option. Equipped with a self-priming water pump, isolation mounts to prevent operator fatigue due to engine vibration and an ergonomic control handle. One-year limited warranty.

Length of Cut	20" (508 mm)				
L x W x H (inches)	60" x 26" x 72"				
L x W x H (mm)	1,524 x 660 x 1,826				
Includes	<ul style="list-style-type: none"> • Centrifugal Water Pump • Rip Guide 				
Model	MK-5009G		MK-5009G		
Engine	Honda (Gas)		Kohler (Gas)		
Power	GX270 Cyclone*		CH395*		
Weight	498 lbs. (225 kg)		498 lbs. (233 kg)		
Blade Guard Options			Blade Guard Options		
Size	14"	20"	24"	20"	24"
Depth of Cut	5" (127 mm)	8" (203 mm)	10" (254 mm)	8" (203 mm)	10" (254 mm)
Part#	158935-14	158935	158935-24	168805	168805-24
Model	MK-5010G		MK-5013G		
Engine	Vanguard (Gas)		Honda (Gas)		
Power	19H200*		GX390 Cyclone*		
Weight	513 lbs. (233 kg)		513 lbs. (233 kg)		
Blade Guard Options			Blade Guard Options		
Size	20"		24"	20"	24"
Depth of Cut	8" (203 mm)		10" (254 mm)	8" (203 mm)	10" (254 mm)
Part#	169338		169338-24	158936	158936-24

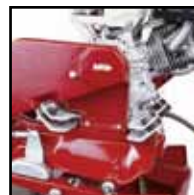
*Engine Power Information listed on page 157.
Blade not included.



Gas engine cutoff switch within operator reach from cutting position



Self-priming centrifugal water pump



Heavy-duty isolation mounts to prevent operator fatigue due to engine vibration

MK-5000 Gas Features



Available with Honda, Vanguard or Kohler Engines, from 9 to 13 horsepower.



Drive System

Micro V-Belt design drive system for more power transfer.



Centrifugal Water Pump

Self-priming centrifugal water pump offers low maintenance. Easy to disengage for dry cutting.



Heavy-Duty Isolation Mounts

Heavy-duty isolation mounts prevent operator fatigue due to engine vibration.

STANDARD FEATURES ON ALL MK-5000



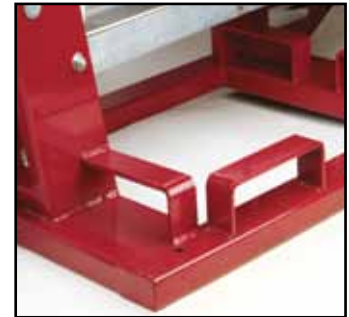
Open-Back Design

Easy removal of heavy-duty splash curtain provides an open-back allowing for materials up to 20" long to be cut.



Built-in Tie-downs

Built-in tie-downs for safe saw transport.



Built in Forklift Bracket

Heavy-duty built-in forklift brackets allow lift to approach from the front or either side of the saw.



Spring-Assisted Cutting Head

The spring-assisted cutting head allows for easier step cutting. The ergonomically designed handle with molded grip provides operator comfort.



Optimum Blade Coverage

Self-leveling blade guard provides optimum blade coverage for operator safety.



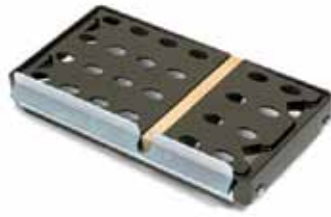
Spherical Rod Ends

For long term accuracy and rigidity.



MASONRY ACCESSORIES

Conveyor Cart



For use with BX3, BX4 and MK-2000 Series Saws.

Part#
133082

Conveyor Carts



Heavy duty, six wheel conveyor cart with handle.

For use with MK-5000 Series Saws.

Standard	Heavy Duty
Part# 152124	Part# 165991

Core Holder



For use with MK-2000 and 5000 Series Saws. Requires drilling saw table for mounting on MK-5000 Series Saws.

Part#
161123

Electric Water Pump



For use with MK-2000 Series electric saws 115V / 60 Hz

Part#
151271-MK

Electric Water Pumps



or use with MK-5000 Series electric saws 115V / 60 Hz

For use with MK-5000 Series 220V / 50 Hz

115V/60Hz	220V/50Hz
Part# 160509	Part# 160510

Centrifugal Water Pump



MK-2000	MK-5000
Part# 161126	Part# 152355

Power Cord Adapter



Male: Twist Style Adapter (L5-20P 20 Amp/125V)



Female: Standard (5-15R 15 Amp/125V)

Part#
152659

Power Cord Adapter



Female: Twist Style Adapter (L5-20R 15 Amp/125V)



Male: Standard (5-15P 15 Amp/125V)

Part#
150960

Y-Power Cord Adapter



Female: Twist Style Adapter (L5-15R 20 Amp/125V)



Male: Twist Style Adapter (L5-15P 20 Amp/125V)

Part#
152621

Rip Guide



Part#
132332-MK

Mortar Knife



Part#
169250

Steel Rails



Stainless steel rail. For use with MK-5000 Series Saws.

Part#
166934

TILE
STONE
LAPIDARY
MASONRY
CONCRETE
MIXERS
CORING
FLOOR PREP
METAL
TROUBLESHOOTING
POLICIES



LASER WELDED

MK-10 Supreme Brick Blades

A soft matrix blade that provides fast, efficient cutting and a long life on all types of brick, especially those in the harder range.

Diameter	Width	Arbor	Part#
10" (254 mm)	.090	5/8"	130203
14" (356 mm)	.125	1"	128777
18" (457 mm)	.125	1"	128785
20" (508 mm)	.125	1"	128793



Segment Height: 10 mm
Additional blade diameters and special arbors available upon request.
Stock arbors can be bushed to smaller sizes: please specify at time of order.



LASER WELDED

MK-30 Supreme Block/Brick Blades

A medium-hard matrix blade designed to cut both brick and block. This combination blade allows cutting a wide variety of material but with some loss in cutting speed and blade life that specialty blades like the MK-10 and MK-50 provide.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	128652
18" (457 mm)	.125	1"	128660
20" (508 mm)	.142	1"	128678
24" (610 mm)	.165	1"	156413



Segment Height: 10 mm



LASER WELDED

MK-50 Supreme Block Blades

A hard matrix blade designed especially for cutting block, both precision and slump. Provides good cutting speed and long blade life in abrasive materials.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	128744
18" (457 mm)	.142	1"	128751
20" (508 mm)	.142	1"	128769
24" (610 mm)	.165	1"	153165



Segment Height: 10 mm

MULTIPURPOSE (DRY)



MK VACUUM BRAZED TECHNOLOGY
Certified ANSI B.71.7

MK-204RCK Y-Gullet Blades

Y-Gullet blades for masonry materials can be used wet or dry. This blade has vacuum brazed diamonds for maximum cutting performance.

Diameter	Width	Arbor	Part#
10" (254 mm)	.110	U/A	168894
14" (356 mm)	.137	1"	168895
18" (457 mm)	.137	1"	168896
20" (508 mm)	.150	1"	168897
24" (610 mm)	.175	1"	168915



Segment Height: 9 mm

**REFRACTORY
(WET)**



**LASER
WELDED**



MK Diamond refractory diamond blades cut a wide range of materials and high-temperature ceramics. All refractory blades have been designed with engineered laser-welded segments, high-temperature steel cores and time-tested bonds for improved performance on refractory materials.

MK-10PSL Supreme Blade for Hard Brick

The MK-10PSL was designed to cut through brick with a hardness of 5,000 to 8,000 psi. Sandwich core technology significantly dampens the noise produced during cutting.

Diameter	Width	Arbor	Part#
18" (457 mm)	.135	1"	167951
20" (508 mm)	.145	1"	167952

Segment Height: 12 mm



**LASER
WELDED**



MK-440R Supreme Brick Blades

For cutting 80% alumina and basic hard brick.

Diameter	Width	Arbor	Part#
14" (356 mm)	.100	1"	136382
18" (457 mm)	.125	1"	136390
20" (508 mm)	.125	1"	136499

Segment Height: 10 mm



**LASER
WELDED**



MK-450R Supreme Brick Blades

Supreme Grade Blades for 50% Super Duty Hard Brick

Diameter	Width	Arbor	Part#
14" (356 mm)	.100	1"	128801
18" (457 mm)	.125	1"	128819
20" (508 mm)	.125	1"	128827

Segment Height: 10 mm



**LASER
WELDED**



MK-480R Supreme Brick Blades

For cutting soft abrasive mulite, silica and brick.

Diameter	Width	Arbor	Part#
14" (356 mm)	.100	1"	128835
18" (457 mm)	.125	1"	128843
20" (508 mm)	.125	1"	128850

Segment Height: 10 mm



**LASER
WELDED**



MK-480RSL Supreme Silent Core Blades

The MK-480RSL diamond blade has been engineered with a notched segment to provide superior performance. The specially formulated bond resists glazing of the diamond segments in even the hardest of materials and ensures fast, free cutting.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	159298
14" (356 mm)	.125	1"	158895
16" (406 mm)	.125	1"	159299
18" (457 mm)	.140	1"	159300
20" (508 mm)	.140	1"	159099

Segment Height: 8 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



MK Plank Cutter®

MK Diamond Plank Cutter® has been designed for minimal dust generation when cutting Hardi® Plank, wall board and fiber cement siding.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20 mm-5/8"	156993
4" (102 mm)	.080	7/8"-5/8"	156993Y
4-1/2" (114 mm)	.080	7/8"-5/8"	157045
7" (178 mm)	.080	DM-5/8"	156994
10" (254 mm)	.090	DM-5/8"	156995



Rim Height: 10 mm

TUCK POINT (DRY)



SINTERED

MK Diamond offers a full range of tuck point blade sizes and specifications for all masonry tuckpointing applications. Each tuck point blade has been designed for maximum removal of mortar from masonry joints.

MK-299DT Standard Blades

MK-299DT Standard Tuck Point Blade, sintered with narrow slots for fast, efficient mortar removal and grout repair.

Diameter	Width	Arbor	Part#
4" (102 mm)	.250	7/8"-5/8"	156655
4-1/2" (114 mm)	.250	7/8"-5/8"	159463
4-1/2" (114 mm)	.375	7/8"-5/8"	169027
5" (127 mm)	.250	7/8"-5/8"	159483
7" (178 mm)	.250	7/8"-5/8"	159484

Segment Height: 10 mm



SINTERED

MK-304DT Premium Tuck Point Blade

Diameter	Width	Arbor	Part#
4" (102 mm)	.250	7/8"-5/8"	153150
4-1/2" (114 mm)	.250	7/8"-5/8"	155174
5" (127 mm)	.250	7/8"-5/8"	154009
6" (152 mm)	.250	7/8"-5/8"	154010
7" (178 mm)	.250	7/8"-5/8"	154011
8" (203 mm)	.250	7/8"-5/8"	154012



Rim Height: 10 mm

**TUCK POINT
(DRY)**



**LASER
WELDED**

MK-404DT Supreme Blades

MK-404DT Supreme Tuck Point Blade, laser welded with long slots and a higher diamond count; for mortar removal and grout repair

Diameter	Width	Arbor	Part#
4" (102 mm)	.250	7/8"-5/8"	139790
4" (102 mm)	.375	7/8"-5/8"	151112
4" (102 mm)	.500	7/8"-5/8"	156541
4-1/2" (114 mm)	.250	7/8"-5/8"	156771
4-1/2" (114 mm)	.500	7/8"	150569
5" (127 mm)	.155	7/8"-5/8"	150746
5" (127 mm)	.250	7/8"-5/8"	150182
5" (127 mm)	.375	7/8"-5/8"	152378
6" (152 mm)	.250	7/8"-5/8"	140228
7" (178 mm)	.187	5/8"	153210
7" (178 mm)	.250	7/8"-5/8"	139683
7" (178 mm)	.375	7/8"-5/8"	151395
8" (203 mm)	.250	7/8"-5/8"	139691
8" (203 mm)	.375	7/8"-5/8"	150663
9" (229 mm)	.250	7/8"-5/8"	151011
10" (254 mm)	.250	1"	150360

Segment Height: 10 mm



**LASER
WELDED**



.250 width



.375 width

MK-404STK Supreme Fast Cutting Blades

The MK-404STK stacked blade has been designed for the quick removal of old mortar in masonry joints. The stacked blade design allows for a faster rate of removal for greater productivity.

Diameter	Width	Arbor	Part#
4" (102 mm)	.250	7/8"-5/8"	161176
4-1/2" (114 mm)	.250	7/8"-5/8"	164143
4-1/2" (114 mm)	.375	7/8"-5/8"	164144
5" (127 mm)	.250	7/8"-5/8"	162862



Segment Height: 10 mm



MK Diamond tuck point blades are excellent for repairing deteriorated mortar joints thus decreasing water entry into brickwork.

TILE
STONE
LAPIDARY
MASONRY
CONCRETE
MIXERS
CORING
FLOOR PREP
METAL
TROUBLESHOOTING
POLICIES

**MASONRY BLADES
(DRY)**



MK-414D Premium Grade High Speed Blades for Hard Brick

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20 mm-5/8"	150720
5" (127 mm)	.080	7/8"-5/8"	151458
6" (152 mm)	.090	DM-5/8"	151404
7" (178 mm)	.090	DM-5/8"	150666
8" (203 mm)	.090	DM-5/8"	151405
9" (229 mm)	.090	7/8"	151814Y
10" (254 mm)	.095	DM-5/8"	151406
12" (305 mm)	.125	20 mm	150624Z
12" (305 mm)	.125	1"	150624
14" (356 mm)	.110	20 mm	140251Z
14" (356 mm)	.110	1"	140251
14" (356 mm)	.125	20 mm	151391Z
14" (356 mm)	.125	1"	151391
16" (406 mm)	.125	1"	151165
18" (457 mm)	.142	1"	140269
20" (508 mm)	.142	1"	137349
24" (610 mm)	.155	1"	152632

Segment Height: 7 mm



**LASER
WELDED**

MK-414DSP Premium Wide Slot Hard Brick Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.110	1"	155893
14" (356 mm)	.125	1"	155894



Segment Height: 10 mm

**HARD BRICK
(DRY)**



**LASER
WELDED**

MK-414PB Supreme Penter Brick Blades

The MK-414PB (Penter Brick Blade) has been specifically engineered to cut hard/dense brick. The turbo segment design provides additional cooling and cutting performance.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8"-5/8"	159814
4-1/2" (114 mm)	.080	7/8"-5/8"	167988
7" (178 mm)	.090	DM-5/8"	159815
8" (203 mm)	.090	DM-5/8"	159820
10" (254 mm)	.090	DM-5/8"	159816
12" (305 mm)	.125	1"	159817
14" (356 mm)	.125	20 mm	159629Z
14" (356 mm)	.125	1"	159629
16" (406 mm)	.125	1"	165938
18" (457 mm)	.142	1"	168711
20" (508 mm)	.142	1"	167693



Segment Height: 10 mm

**HARD BRICK
(DRY)**



**LASER
WELDED**

MK-414PBSL Premium Penter Blades

The MK-414PBSL (Penter Brick Slant Slot Blade) has been designed to improve performance. The slant slots provide additional cooling and fines removal, improving the speed of cut in hard/dense materials.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	165936
14" (356 mm)	.125	20 mm	165937
16" (406 mm)	.125	1"	160765
16" (406 mm)	.125	20 mm	160765Z



Segment Height: 12 mm



**LASER
WELDED**

MK-742D Supreme Grade Blades for Hard Brick

The MK-742D is a high-performance diamond blade for cutting hard, dense materials. The arrayed diamonds are aligned to provide maximum abrasion and material removal. This blade contains only the highest quality synthetic diamonds.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	162551



Segment Height: 10 mm



**LASER
WELDED
SPEED
BOOST**

MK-742DSL Supreme Hard Brick/Silent Core Blade

The MK-742DSL Silent Core utilizes an arrayed diamond pattern; the diamonds are effectively aligned so that each diamond is working in unison for maximum abrasion and material removal. It also has the benefit of having a Silent Sandwich Core. The Sandwich Core is manufactured with two steel cores laminated with a copper center that provides the greatest sound reduction. The silent core also reduces vibration, which is beneficial to the operator's safety and adds longevity to the blade life.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	162552



Segment Height: 10 mm

Grinding Pellet



MK X-Pellets

Diamond button segment grinding pellets.

Length	Thread	Part #
1/2"	5/8"-11"	162774
3/4"	5/8"-11"	162775



**GENERAL PURPOSE
HIGH SPEED (DRY)**

MK Diamond offers a variety of general purpose, high-speed, dry-cutting blades to meet any price point and cut any material.



**LASER
WELDED**

MK-99XL Standard Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	160681
14" (356 mm)	.125	1"	160682

Segment Height: 12 mm

MK-299D Standard Blades

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20mm-5/8"	156416
4-1/2" (114 mm)	.080	7/8"-5/8"	157588
7" (178 mm)	.090	DM-5/8"	156417
12" (305 mm)	.100	1"	157715
14" (356 mm)	.125	1"	157716

Segment Height: 10 mm



**LASER
WELDED**

MK-404D Supreme Blades

The MK-404D is the industry standard in performance and blade life. The 404D uses an exclusive bond that secures the diamond longer and allows the blade to cut faster.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20mm-5/8"	136713
4-1/2" (114 mm)	.080	7/8"- 5/8"	152439
5" (127 mm)	.080	7/8"- 5/8"	150627
5-1/2" (140 mm)	.080	5/8"	153161
7" (178 mm)	.090	DM-5/8"	136739
7" (178 mm)	.125	5/8"	150662
8" (203 mm)	.090	DM-5/8"	136747
8" (203 mm)	.125	1"	151340
9" (229 mm)	.090	DM-5/8"	151037
10" (254 mm)	.090	DM-5/8"	136770
12" (305 mm)	.110	1"	137307
12" (305 mm)	.125	7/8"	137307Y
12" (305 mm)	.125	1"	150403
12" (305 mm)	.125	20mm	150403Z
12" (305 mm)	.250	1"	150517
12" (305 mm)	.375	1"	150387
12" (305 mm)	.500	1"	153718
12" (305 mm)	.500	20mm	153718Z
14" (356 mm)	.125	1"	137315
14" (356 mm)	.125	20mm	137315Z
14" (356 mm)	.250	1"	150247
14" (356 mm)	.375	1"	151448
16" (406 mm)	.125	1"	151847
16" (406 mm)	.125	20mm	151847Z
18" (457 mm)	.142	1"	153385
20" (508 mm)	.142	1"	154218



**LASER
WELDED**



Segment Height: 10 mm



**MULTIPURPOSE
(DRY)**



MK Diamond Multipurpose blades have been specially designed to cut all types of materials. The “Tiger Tooth” vacuum braze technology adheres the diamond to the surface of the segment, ensuring 100% of the diamonds are being used. There are no bonds to wear away, enabling the diamond to work at its peak performance in steel, ductile pipe, plastic, wood, concrete, masonry and other construction materials.

MK-304RCK Premium Demolition

Tiger Tooth multipurpose blade cuts wood, plastic, steel, concrete, masonry and ductile pipe.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8"-5/8"	162784
4-1/2" (114 mm)	.080	7/8"-5/8"	162785
7" (178 mm)	.090	DM-7/8"-5/8"	162786
8" (203 mm)	.090	DM-7/8"-5/8"	165890
9" (229 mm)	.095	DM-5/8"	165109
12" (305 mm)	.125	7/8"	163930Y
12" (305 mm)	.125	1"	163930
14" (356 mm)	.125	1"	163931
16" (406 mm)	.125	1"	167423



Segment Height: 7 mm



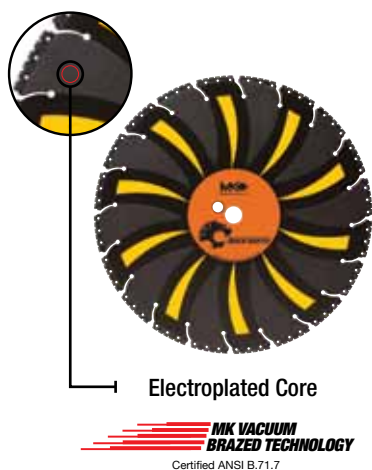
MK-404RCK Supreme Demolition

Tiger Tooth multipurpose blade with electroplated core for wood, plastic, steel, concrete, masonry and ductile pipe.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	162716
14" (356 mm)	.125	1"	162550
16" (406 mm)	.125	1"	168079
18" (457 mm)	.125	1"	170721



Segment Height: 7 mm



The Tiger Tooth multipurpose blade uses the latest MK Vacuum Brazed Technology. Contains the highest diamond content available, ensures an excellent performance that leaves a clean, smooth cut without burns. Fast cutting.

TILE
STONE
LAPIDARY
MASONRY
CONCRETE
MIXERS
CORING
FLOOR PREP
METAL
TROUBLESHOOTING
POLICIES

**GENERAL PURPOSE
HIGH SPEED (DRY)**



**SPEED
BOOST**

**LASER
WELDED**

MK-762DMX™ Supreme Blades

The MK-762DMX is the industry's first blade engineered to use an arrayed pattern of diamonds for maximum performance on a broad range of materials.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	161291
14" (356 mm)	.125	1"	161293
16" (406 mm)	.125	1"	161294
18" (457 mm)	.125	1"	161295
20" (508 mm)	.142	1"	161296



Segment Height: 10 mm

BLOCK (DRY)



**LASER
WELDED**

MK-444D Supreme High Speed Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.110	1"	150626
14" (356 mm)	.125	1"	150382
16" (406 mm)	.125	1"	152498
18" (457 mm)	.142	1"	150383
20" (508 mm)	.142	1"	150384



Segment Height: 10 mm



MK-464D Supreme Blade

Designed for fast cutting of extremely hard/non-abrasive and dense materials such as concrete pavers, concrete, field stones, and hard brick. This blade has extra tension rings to improve core stability during deep-dry cutting. Each segment has improved side clearance for less drag and improved performance efficiency.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	167321



Segment Height: 10 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

GENERAL PURPOSE
(DRY)



MK-565SKMR Supreme Blades

The MK-565SKMR blade aggressively cuts a wide range of materials including concrete, masonry, brick and block. Cooling slots, varying in size, eject cutting debris and maximize air flow to keep the blade cool. Alternating diamond segment patterns ensure maximum contact with material being cut.

Diameter	Width	Arbor	Part#
4" (102 mm)	.090	7/8"	168032
4.5" (114 mm)	.090	7/8"	168033
5" (127 mm)	.090	7/8"	168034
7" (178 mm)	.090	7/8"	168035
8" (203 mm)	.090	7/8"	168036
10" (254 mm)	.090	7/8"	168037
12" (305 mm)	.125	20 mm	160989Z
12" (305 mm)	.125	1"	160989
14" (356 mm)	.125	1"	160617
14" (356 mm)	.125	20 mm	160617Z
16" (406 mm)	.125	1"	160737
18" (457 mm)	.142	1"	168040
20" (508 mm)	.125	1"	168038



Segment Height: 10-15 mm

GENERAL PURPOSE
SEGMENTED (DRY)



MK-799D Premium Blades

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20 mm-5/8"	154249
4.5" (114 mm)	.060	7/8"-5/8"	157467
7" (178 mm)	.090	DM-5/8"	154250
8" (203 mm)	.090	DM-5/8"	154350
12" (305 mm)	.110	1"	152204
12" (305 mm)	.110	20 mm	152204Z
12" (305 mm)	.125	1"	156245
12" (305 mm)	.125	20 mm	156245Z
14" (356 mm)	.125	1"	156246
14" (356 mm)	.125	20 mm	156246Z
16" (406 mm)	.140	1"	158939
16" (406 mm)	.140	20 mm	158939Z
20" (508 mm)	.142	1"	152740



Segment Height: 10 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

**MULTI-APPLICATION
SEGMENTED (DRY)**



IDEAL FOR CUTTING:

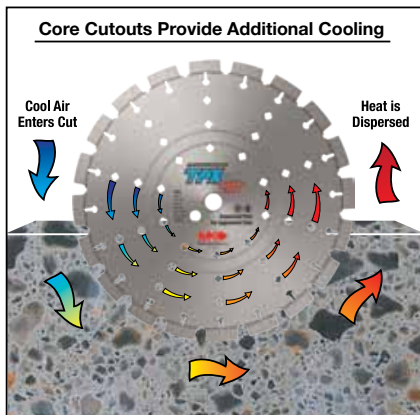
- ASPHALT
- BLOCK
- GRANITE
- BRICK
- CONCRETE
- BLUESTONE
- PAVERS



TPX-40 Supreme Grade Multi-Application Blades

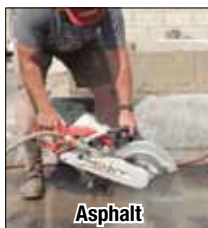
The TPX-40™ multi-application diamond blade is designed for maximum life and speed. A newly developed bond allows for cutting a wide variety of materials including brick, granite, block, pavers, concrete, bluestone and asphalt.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8" - 5/8"	168483
4-1/2" (114 mm)	.080	7/8" - 5/8"	168484
5" (127 mm)	.080	7/8" - 5/8"	168485
6" (152 mm)	.090	7/8" - 5/8"	168486
7" (178 mm)	.090	DM - 7/8" - 5/8"	168487
8" (203 mm)	.090	DM - 7/8" - 5/8"	168488
9" (229 mm)	.090	DM - 7/8" - 5/8"	168489
10" (254 mm)	.090	DM - 7/8" - 5/8"	168490
12" (305 mm)	.125	1" - 20 mm	168491
14" (356 mm)	.125	1" - 20 mm	168492
16" (406 mm)	.125	1" - 20 mm	168493
18" (457 mm)	.125	1" - 20 mm	168494
20" (508 mm)	.145	1" - 20 mm	168495
Segment Height 4" - 10"			10mm
Segment Height 12" - 20"			15mm



- **NOISE REDUCTION**
The laser welded segment over the gullet design helps to reduce noise by as much as 10db while providing efficient removal of cutting debris
- **COOLER CUTTING**
The additional core cutouts provide improved cooling during deep cutting, which helps keep the core from warping or losing tension.
- **LONGER LIFE**
The tall segment heights provide 30% more cutting life; 10" and smaller diameter blades have a 10mm segment height and the 12" and larger diameter blades are 15mm.

7 IN 1 MULTI-APPLICATION DIAMOND BLADES



**GENERAL PURPOSE
TURBO (DRY)**



MK-625D Standard Blades

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20 mm -5/8"	155930
4" (102 mm)	.080	7/8"-5/8"	155933
4-1/2" (114 mm)	.080	20 mm-5/8"	157396
4-1/2" (114 mm)	.080	7/8"-5/8"	157396Y
5" (127 mm)	.080	7/8"-5/8"	158345
6" (152 mm)	.080	DM-5/8"	158568
7" (178 mm)	.080	DM-5/8"	155931
7" (178 mm)	.080	7/8"-5/8"	155931Y
10" (254 mm)	.090	DM-5/8"	158358
12" (305 mm)	.125	20 mm	158559
12" (305 mm)	.125	1"	159969
14" (356 mm)	.125	20 mm	158560
14" (356 mm)	.125	1"	159970



Rim Height: 10 mm

**HARD MATERIAL
TURBO (DRY)**



SINTERED

MK-915D Supreme Hard Material Blades

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	20 mm-5/8"	152747
4-1/2" (114 mm)	.080	20 mm-5/8"	153583
4-1/2" (114 mm)	.080	7/8"-5/8"	153580
5" (127 mm)	.080	7/8"-5/8"	153311
7" (178 mm)	.090	DM-5/8"	152748
8" (203 mm)	.090	DM-5/8"	153313
9" (229 mm)	.090	DM-5/8"	153314
10" (254 mm)	.090	DM-5/8"	153315
12" (305 mm)	.125	1"	153578
14" (356 mm)	.125	1"	153579



Rim Height: 10 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



SINTERED

MK-925D Supreme Blades

Diameter	Width	Arbor	Part#
3-3/8" (86 mm)	.070	15 mm	152708
4" (102 mm)	.080	20 mm-5/8"	150667
4" (102 mm)	.080	7/8"-5/8"	150667Y
4-1/2" (114 mm)	.080	20 mm-5/8"	151763
4-1/2" (114 mm)	.080	7/8"-5/8"	151762
5" (127 mm)	.080	7/8"-5/8"	151885
6" (152 mm)	.080	DM-5/8"	150668
6" (152 mm)	.080	DM- 7/8"-5/8"	150668Y
7" (178 mm)	.090	DM-5/8"	150669
7" (178 mm)	.090	7/8"-5/8"	150669Y
8" (203 mm)	.090	DM-5/8"	150670
8" (203 mm)	.090	7/8"-5/8"	150670Y
9" (229 mm)	.090	DM-5/8"	150671
9" (229 mm)	.090	DM-7/8"-5/8"	150671Y
10" (254 mm)	.090	DM-5/8"	150672
12" (305 mm)	.110	1"	150673
12" (305 mm)	.110	20 mm	150673Z
12" (305 mm)	.125	1"	153162
12" (305 mm)	.125	20 mm	153162Z
14" (356 mm)	.110	1"	150674
14" (356 mm)	.110	20 mm	150674Z
14" (356 mm)	.125	1"	153163
14" (356 mm)	.125	20 mm	153163Z
16" (406 mm)	.125	1"	156923
18" (457 mm)	.125	1"	159097

Rim Height: 10 mm

MK-925DSLX Supreme Hard Material Silent Core Blades

The 925DSLX are cost effective diamond blades with an epoxy filled pattern cut in the core. Laser Cut Cores achieve a reduction of 4 dB(A) compared to standard diamond blades. Reduction in sound level provides lower vibration that will increase tool life. Medium bond for less abrasive material.

Diameter	Width	Arbor	Part#
14" (356 mm)	.125	1"	161283
20" (508 mm)	.145	1"	160971
24" (610 mm)	.142	1"	168050



MK-925DSLX
Slant Turbo Design



Segment Height: 10 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

**GENERAL PURPOSE
HIGH SPEED (DRY)**



MK-404RCK Premium Ring Saw Blade

Diameter	Part#
14" (356 mm)	165924

Segment Height: 10 mm
Two drive wheels included with each blade.

RING SAW BLADES



Wet cutting ring saw blades for all concrete applications. Ring saw blades offer a 10" cutting depth and are used for pre-cutting and following diamond chain saws. Each blade includes two drive wheels.

RS-20 Premium Ring Saw Blade

For cutting hard materials

Diameter	Part#
14" (356 mm)	161127

RS-45 Premium Ring Saw Blade

General purpose for cutting concrete less than 6000 psi

Diameter	Part#
14" (356 mm)	161129

RS-70 Premium Ring Saw Blade

For cutting concrete block, abrasive concrete, limestone, shale and sandstone

Diameter	Part#
14" (356 mm)	161130

RSL-45 Standard Ring Saw Blade

General purpose blade for cutting precast and reinforced concrete

Diameter	Part#
14" (356 mm)	161131



Ring Saw Drive Wheel

Description	Part#
Drive wheel for 14" MK Ring Saw Blades	161132

Fits Partner and other cut-off type ring saws.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

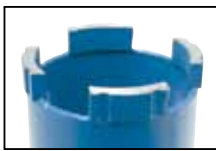
FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

MK-DRY MK Diamond Dry Core Bits have been specifically designed to tackle a variety of drilling operations on soft brick and concrete block. These bits feature laser-welded technology and inventive bar-slot cooling to promote efficiency, reliability and safety. MK Dry-Cutting Bits are 10" in length, come with standard 5/8"-11 threaded nuts and easily attach to most handheld drills.



**LASER
WELDED**

MK-Dry Standard Core Bits

Diameter	Min Amps	Max/Min RPM	Part#
1" (25 mm)	6	6000/2300	155937
1-1/4" (32 mm)	6	6000/2300	155938
1-1/2" (38 mm)	6	6000/2300	155939
1-3/4" (44 mm)	7	5000/1600	156316
2" (51 mm)	7	5000/1200	155940
2-1/4" (57 mm)	7	5000/1200	155941
2-1/2" (64 mm)	7	5000/800	155942
3" (76 mm)	10	5000/800	155943
3-1/2" (83 mm)	10	5000/700	155944
4" (102 mm)	10	5000/700	155945
4-1/2" (114 mm)	10	5000/700	155946
5" (127 mm)	10	5000/700	155947
6" (152 mm)	10	2500/600	155948



Segment Height: 7.5 mm
 Drilling Depth: 9-1/4" (235 mm)
 Additional diameter and special length core bits are available upon request.



**LASER
WELDED**

MK-Dry Premium Core Bits

Diameter	Min Amps	Max/Min RPM	Part#
1" (25 mm)	6	6000/2300	158661
1-1/4" (32 mm)	6	6000/2300	158662
1-1/2" (38 mm)	6	6000/2300	158663
1-3/4" (44 mm)	7	5000/1600	158664
2" (51 mm)	7	5000/1200	158665
2-1/4" (57 mm)	7	5000/1200	158666
2-1/2" (64 mm)	7	5000/800	158667
3" (76 mm)	10	5000/800	158668
3-1/2" (83 mm)	10	5000/700	158669
4" (102 mm)	10	5000/700	158670
4-1/2" (114 mm)	10	5000/700	158671
5" (127 mm)	10	5000/700	158672
6" (152 mm)	10	2500/600	158710



Segment Height: 7.5 mm
 Drilling Depth: 9-1/4" (235 mm)
 Additional diameter and special length core bits are available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



Concrete



MK Diamond manufactures a wide variety of concrete saws engineered for high performance and reliability. From lightweight, portable saws for the general contractor, to high-horsepower, self-propelled saws for the concrete professional, MK Diamond has the tools to complete any concrete project. MK Diamond also provides a wide range of concrete and asphalt blades ranging from general purpose diamond blades to application-specific professional diamond blades.



CX-3® Subaru

CX-3® Kohler

CX-3® Series Walk-Behind Concrete Saw

The CX-3® Series Walk-Behind Concrete Saw is for small to medium jobs that require power and portability. This compact, lightweight saw has been engineered for maneuverability and reliability. The built-in water distribution system supplies water to both sides of the blade. It is designed for left or right mounting of blade and blade guard; cuts within 1" of wall or curb. One-year limited warranty.

Blade Capacity 14" (356 mm)

Arbor Size 1" (25 mm)

Depth of Cut 5-1/2" (140 mm)

L x W x H (inches) 32" x 19" x 42"

L x W x H (mm) 813 x 483 x 1,067

	CX-3® Honda	CX-3® Subaru	CX-3® Kohler
Model	CX-3® Honda	CX-3® Subaru	CX-3® Kohler
Engine	Honda (Gas)	Subaru (Gas)	Kohler (Gas)
Power	GX160 Cyclone*	SP21*	CH270*
Weight	116 lbs. (53 kg)	118 lbs. (54 kg)	116 lbs. (53 kg)
Part#	159345	159346	167955

Optional Water Tank System

Tachometer

Lifting Bail

Part# 166784

153877

166781

*Engine Power Information listed on page 157.
Blade not included.



The design of the CX-3® allows easy access to the control panel



Hinged blade guard provides easy access for blade changes and inspection.



Folding handle bar for compact transport



AX-10 Premium Asphalt Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	159617
14" (356 mm)	.125	1"	159618



CX-10 Premium Cured Concrete Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.100	1"	159615
14" (356 mm)	.125	1"	159616



DX-10 Premium Cured Concrete Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.110	1"	159685
14" (356 mm)	.125	1"	159686



GX-10 Premium Green Concrete Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.110	1"	159619
14" (356 mm)	.110	1"	159620





MK-1613S Standard

MK-1613H Standard

MK-1600 Series Standard Walk-Behind Gas Concrete Saw

All MK-1600 Series walk-behind concrete saws feature a one-piece box construction chassis made from 3/16" hot-rolled steel that will not flex during operation. Powder-coated chassis resists peeling and corrosion. The blade guard mounts on both the left and right side of saw and cuts within 2" of wall or curb. One-year limited warranty.

Arbor Size 1" (25 mm)

Blade Capacity 18" (457 mm)

Depth of Cut 6-5/8" (168 mm)

L x W x H (inches) 42" x 25" x 39"

L x W x H (mm) 1,067 x 635 x 991

	Model MK-1609H Standard	MK-1613H Standard	MK-1613S Standard
Engine	Honda (Gas)	Honda (Gas)	Subaru (Gas)
Power	GX240 Cyclone*	GX390 Cyclone*	EH41*
Weight	210 lbs. (95 kg)	223 lbs. (101 kg)	223 lbs. (101 kg)
Part#	157867	160832	160832-S

	Model MK-1613V Standard	MK-1614K Standard
Engine	Vanguard (Gas)	Kohler (Gas)
Power	Single Cylinder	CH440 Command Pro*
Weight	223 lbs. (101 kg)	223 lbs. (101 kg)
Part#	169948	157864-K

Optional Lifting Bail

6.5 Gallon Water Tank ‡

Part# 157745

157852

*Engine Power Information listed on page 157. ‡Lifting bail required to mount water tank. Blade not included.



Cast aluminum hinged blade guard



Positive-locking depth control mechanism



Optional water tank is available



MK-1600 Series Premium Walk-Behind Concrete Saw

The MK-1600 Premium Series has all the same features as the MK-1600 Standard Series, but with the additions of a built-in depth gauge for precise cutting, a combination tach/hour meter for monitoring engine RPMs and hours for scheduled maintenance, and a heavy-duty lifting bail for easy transport of saw.

Arbor Size	1" (25 mm)
Blade Capacity	18" (457 mm)
Depth of Cut	6-5/8" (168 mm)
L x W x H (inches)	42" x 25" x 39"
L x W x H (mm)	1,067 x 635 x 991

Model	MK-1613H Premium	MK-1613S Premium	MK-1614K Premium
Engine	Honda (Gas)	Subaru (Gas)	Kohler (Gas)
Power	GX390 Cyclone*	EH41*	CH440 Command Pro*
Weight	233 lbs. (106 kg)	233 lbs. (106 kg)	233 lbs. (106 kg)
Includes	<ul style="list-style-type: none"> Built-in Depth Gauge Built-in Tach/Hour Meter Lifting Bail 	<ul style="list-style-type: none"> Built-in Depth Gauge Built-in Tach/Hour Meter Lifting Bail 	<ul style="list-style-type: none"> Built-in Depth Gauge Built-in Tach/Hour Meter Lifting Bail
Part#	160772	160772-S	168930

Model	MK-1605B Premium	MK-1610B Premium	MK-1610B Premium
Engine	Baldor (Electric)	Baldor (Electric)	Baldor (Electric)
Power	5 Hp 240V 1 PH	10 Hp 240V 3 PH	10 Hp 480V 3 PH
Weight	275 lbs. (125 kg)	275 lbs. (125 kg)	275 lbs. (125 kg)
Includes	<ul style="list-style-type: none"> Built-in Depth Gauge Power cord with connector Lifting Bail 	<ul style="list-style-type: none"> Built-in Depth Gauge Power cord with connector Lifting Bail 	<ul style="list-style-type: none"> Built-in Depth Gauge Power cord with connector Lifting Bail
Part#	168099	167426	167427

Optional 6.5 Gallon Water Tank

Part#	157852
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Blade not included.



Premium Series include built-in Depth gauge and Tach/hour Meter



Durable non-slip rubber wheels with maintenance-free hubs



Rigid frame front pointer with high visibility guide wheel



MK-2020HSP

MK-2025KSP

MK-20 Series Self-Propelled Concrete Saw

MK-20 Series of concrete saws combine innovation and engineering to produce one of the lightest, midsize self-propelled concrete saws available. Key to the design is the featured box frame and channel that produces a rigid frame, which helps reduce sawing-induced vibrations. Engine weight is evenly distributed over the blade shaft for added stability and tracking. Depth control assembly is engineered for smooth, controlled blade insertion. One-year limited warranty.

Arbor Size 1" (25 mm)

L x W x H (inches) 46" x 26" x 37"

L x W x H (mm) 1,168 x 660 x 940

Includes • Lifting Bail

Model	MK-2013HE	MK-2013HSP	MK-2013SE	MK-2013SSP	MK-2013VSP
Engine	Honda (Gas)	Honda (Gas)	Subaru (Gas)	Subaru (Gas)	Vanguard (Gas)
Starter	Electric	Pull	Electric	Pull	Pull
Power	GX390 Cyclone*	GX390 Cyclone*	EH41*	EH41*	V-Twin
Blade Capacity	18" (457 mm)	18" (457 mm)	18" (457 mm)	18" (457 mm)	18" (457 mm)
Depth of Cut	6-5/8" (168 mm)	6-5/8" (168 mm)	6-5/8" (168 mm)	6-5/8" (168 mm)	6-5/8" (168 mm)
Weight	290 lbs. (132 kg)	310 lbs. (141 kg)	290 lbs. (132 kg)	310 lbs. (141 kg)	310 lbs. (141 kg)
Part#	155714	156499	155714-S	156499-S	169949
Model	MK-2014K	MK-2020HSP	MK-2022SSP	MK-2024HSP	MK-2025KSP
Engine	Kohler (Gas)	Honda (Gas)	Subaru (Gas)	Honda (Gas)	Kohler (Propane)
Starter	Pull	Electric	Electric	Electric	Electric
Power	CH440 Command Pro*	GX630 V-Twin*	EH65*	GX690 V-Twin*	CH730LP*
Blade Capacity	18" (457 mm)	20" (508 mm)	20" (508 mm)	20" (508 mm)	20" (508 mm)
Depth of Cut	6-5/8" (168 mm)	7-5/8" (194 mm)	7-5/8" (194 mm)	7-5/8" (194 mm)	7-5/8" (194 mm)
Weight	310 lbs. (141 kg)	392 lbs. (178 kg)	398 lbs. (181 kg)	398 lbs. (181 kg)	417 lbs. (189 kg)
Part#	168798	156498	168952	158777	158776

Optional 6.5 Gallon Water Tank

Part# 157852

*Engine Power Information listed on page 157.
Blade not included.



MK-APC/W Air Powered Walk Behind Concrete Saw

The MK-APC/W Air Powered Walk Behind Concrete Saw has a 9.5 Hp pneumatic motor with gear box drive. The rugged tubular steel design provides a rigid base from which the pneumatic motor is fixed to the blade guard. Designed for tough cutting jobs, this saw is ideal for joint widening, indoor floor sawing, trenching and patch work. These saws can cut indoors and in enclosed spaces with no gas or engine fumes.

Model	MK-APC/W-14	MK-APC/W-20
Air Requirement	85 cfm of air at 80 psi	85 cfm of air at 80 psi
Blade Capacity	14"	20"
Depth of Cut	4"	7"
L x W x H (inches)	42" x 19" x 41"	42" x 19" x 41"
L x W x H (mm)	1,067 x 483 x 1,041	1,067 x 483 x 1,041
Weight	106 lbs (48 kg)	108 lbs (49 kg)
Part #	168286	167990

Blade not included.



MK-APC/H Air Powered Chop Saw

The MK-APC/H Handheld Air Powered Chop Saw is portable with a non-slip belt designed to improve power transfer. The MK-APC/H has the benefits of an air motor with no performance loss when compared to conventionally powered competitors. This saw can be used in the same way as a conventional gas high speed saw, but without having to worry about exhaust fumes. Cuts up to 5-inches deep. The weight of the saw is precisely balanced for the operator in order to eliminate rocking of saw during cutting. This saw also has a built-in "at rest" stand. The adjustable guard will swing 90 degrees allowing a range cutting angles. This saw is ideal for concrete pile cutting, demolition and pipe cutting at below grade. An easy to read oiler is included for quick check of fluid levels by the operator. Built-in water hose adaptor allows for either wet or dry cutting.

Air Requirement	85 cfm of air at 80 psi
Blade Capacity	14"
Depth of Cut	5"
L x W x H (inches)	37" x 9-1/2" x 19"
L x W x H (mm)	940 x 241 x 483
Weight	24 lbs (11 kg)
Part #	167989

Blade not included.



Air Saw Hose

For use on the MK-APC/H

Part#

169217



MK-3030V



MK-3000 Pro Gas Self-Propelled Concrete Saws

The MK-3000 series Concrete Saws are big performance saws in small packages. They have been engineered to take advantage of the new breed of high horsepower V-Twin air-cooled engines from Briggs and Stratton and Kohler. They provide the cutting depth and power of traditional street saws with all the advantages of a smaller, more maneuverable saw. The saws are fully self-propelled, like their big brother, the MK-4000, and use an electric leadscrew to raise and lower the blade. One-year limited warranty.

Starter	Electric
Travel Speed	0-220 FPM Forward, 0-100 FPM Reverse
Fuel Capacity	5.0 gallons
Arbor	1" with 3/8" Drive Pin
L x W x H (inches)	49-1/2" x 30-1/2" x 44"
L x W x H (mm)	1,270 x 775 x 1,118

Briggs & Stratton Vanguard

Engine The Briggs & Stratton Vanguard 35 Hp engine air cooled V-Twin horizontal shaft engine is industry proven standard for Big Block engine power, performance and reliability. Features include Dura-Bore cast iron cylinder sleeves and a high efficiency OHV head design for improved efficiency, smoother idle, lower emissions and more power. Magnetron electronic ignition provides dependable starts with no required maintenance.

Kohler Command Pro CH980

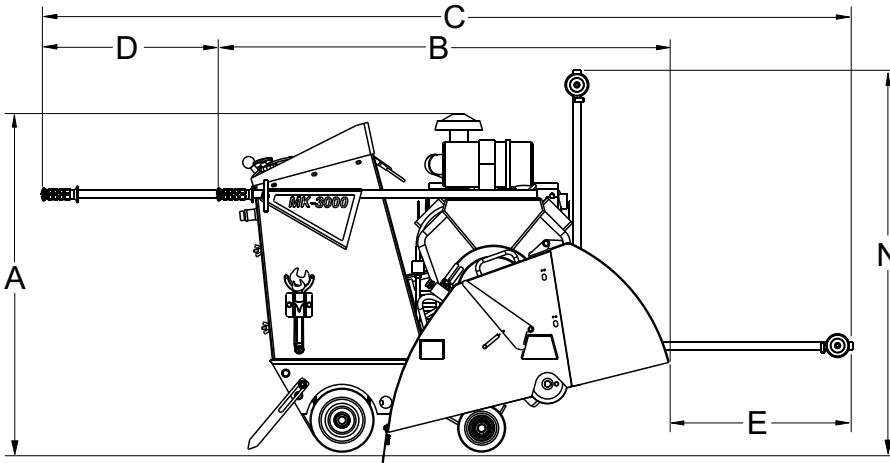
The Command Pro CH980 is a V-Twin cylinder, air-cooled, 38 Hp horizontal-shaft engine that is built to last. OHV, cast iron cylinder liners, and aluminum black construction make the 4-cycle, Command PRO ready for the long haul. Overhead valve technology provides greater volumetric efficiency and a higher compression ratio. This produces more power, improved fuel economy and cooling and reduces oil consumption.

Power	V-Twin Big Block OHV 35* (35 Hp)		Command Pro CH980* (38 Hp)	
Weight	650 lbs. (295 kg)		650 lbs. (295 kg)	
Model	MK-3026V	MK-3030V	MK-3026K	MK-3030K
Blade Capacity	26" (660 mm)	30" (762 mm)	26" (660 mm)	30" (762 mm)
Blade RPM	2,100	1,750	2,100	1,750
Depth of Cut	10-1/2" (267 mm)	12-1/2" (318 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)
Part#	166447-26	166447-30	166449-26	166449-30

*Engine Power Information listed on page 157.
Blade not included.

MK-3000 Features

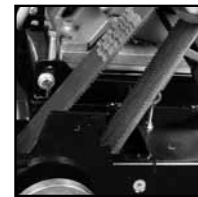
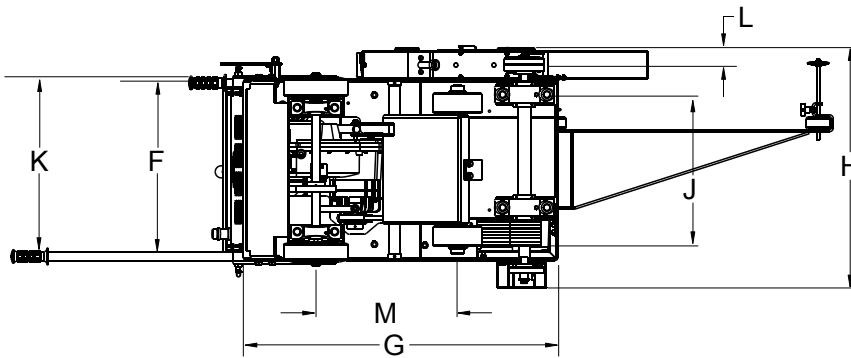
- 1-7/16 blade shaft with heavy-duty pillow block bearings
- Quick release, auto-latching bayonet mount blade guard
- Three position adjustable solid steel handlebars
- Blade guard uses "ride on the blade" water tubes for superior water delivery and blade cooling
- Saw designed for left or right side mounting of blade and blade guard
- Rigid frame front pointer with high visibility guide wheel for accurate tracking
- Instrumentation includes engine tach, fuel level and hour meter
- Ergonomic FNR traverse control
- Depth of cut indicator
- Blade guard has garden hose style connector for quick disconnecting
- Removable rear panel for easy service
- One 7 rib powerband from engine to blade shaft
- Electric leadscrew for positive adjustment of cutting depth
- Wide front wheel base increases stability and allows ramp loading/unloading
- Eaton model 6 Hydrostatic transmission coupled to an MK trans-axle



Removable rear and lower front panel for easy service.

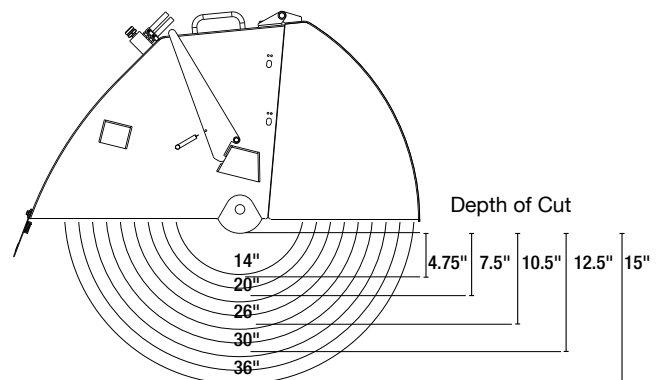


Saw designed for left or right side mounting of blade and blade guard.



One 7 Rib Powerband from engine to blade shaft.

Item	Description	Inches	(mm)
A	Height	44"	(1,092)
B	Minimum Saw Length	49-1/2"	(1,448)
C	Maximum Overall Length	109-3/4"	(2,591)
D	Handle Extension	22"	(559)
E	Maximum Pointer Extension	23"	(584)
F	Frame Width	22-1/2"	(572)
G	Frame Length	39"	(991)
H	Saw Width	30-1/2"	(756)
J	Outside to Outside Wheel Width - Front	19"	(483)
K	Outside to Outside Wheel Width - Rear	22-3/4"	(584)
L	Blade to Wall	1-13/16"	(51)
M	Wheel Base Length	20-1/4"	(445)
N	Maximum Overall Height (Pointer Up)	48"	(1,219)





MK-3000 Pro Electric Series Self-Propelled Concrete Saws

The MK-3000 Electric Saw provides a solution for those environments and situations where electric power is the right choice, whether for indoor use or simply operator preference. The saw utilizes a three-phase, 20 Hp, Baldor electric motor in 230V or 460V to match the user's need. The saw features the same raise/lower system, self-propelled transmission and control set as other MK-3000s. An ammeter is provided to help monitor load when cutting. One-year limited warranty.

Switch IP 65 IEC Across the line starter

Travel Speed 0-220 FPM Forward, 0-100 FPM Reverse

Arbor 1" with 3/8" drive pin

L x W x H (inches) 50" x 30-1/2" x 44"

L x W x H (mm) 1,270 x 775 x 1,118 mm

Motor Baldor (Electric)

Weight 700 lbs. (318kg)

Model	MK-3020B	MK-3020B	MK-3026B	MK-3026B
Power	20 Hp 230V 3PH	20 Hp 460V 3PH	20 Hp 230V 3PH	20 Hp 460V 3PH
Blade Capacity	20" (508 mm)	20" (508 mm)	26" (660 mm)	26" (660 mm)
Blade RPM	2,580	2,580	2,030	2,030
Depth of Cut	7-1/2" (191 mm)	7-1/2" (191 mm)	10-1/2" (267 mm)	10-1/2" (267 mm)
Part#	167428-20	167429-20	167428-26	167429-26

Model	MK-3030B	MK-3030B
Power	20 Hp 230V 3PH	20 Hp 460V 3PH
Blade Capacity	30" (762 mm)	30" (762 mm)
Blade RPM	1,680	1,680
Depth of Cut	12-1/2" (318 mm)	12-1/2" (318 mm)
Part#	167428-30	167429-30

*Engine Power Information listed on page 157.
Blade not included.



Baldor 20Hp, 3 Phase, TEFC motor, providing 30ft-lb of torque.



Three position adjustable solid steel handle bars.



Blade guard has garden hose style connector for quick disconnecting.



MK-4000 Pro Electric Series Self-Propelled Concrete Saws

The MK-4000 Electric Saw provides a solution for those environments and situations where electric power is the right choice, whether for indoor use or simply operator preference. The saw utilizes a three-phase, 30 Hp, Baldor 460V electric motor. The saw features the same hydraulic raise/lower system, self-propelled transmission and control set as other MK-4000s. The saw has an on-board battery to provide 12VDC power for raise/lower function when the saw is not plugged in, and has a transformer/battery charger to recharge the system automatically anytime the saw is connected to power. The saw can also be plugged into 120VAC to recharge or maintain the battery when the saw is not in use. An ammeter is provided to help monitor load when cutting. One-year limited warranty.

Switch	IP 65 IEC across the line starter		
Travel Speed	0-220 FPM Forward, 0-100 FPM Reverse		
L x W x H (inches)	64-1/4" x 34-3/4" x 47"		
L x W x H (mm)	1,632 x 883 x 1,200		
Motor	Baldor (Electric)		
Weight	1250 lbs. (567 kg)		
Model	MK-4020B	MK-4026B	MK-4030B
Power	30 Hp 460V 3 PH	30 Hp 460V 3 PH	30 Hp 460V 3 PH
Blade Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)
Blade RPM	2,240	1,770	1,760
Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)
Part#	167439-20	167439-26	167439-30

*Engine Power Information listed on page 157.
14" blade guard model available on request.
Blade not included.



Control set provides proportional blade raising/lowering and travel speed with one hand operation.



Designed for both front and rear pivoting, allowing for ease of movement and control.



Saw utilizes a 3-phase, 30 Hp, Baldor 460V electric motor.

MK-4000 Pro Gas/Diesel Series Self-Propelled Concrete Saws

The MK-4000 Professional Series is designed for operator comfort, safety and efficiency. Environmentally friendly with low emissions and meets EPA Interim Tier IV and CARB requirements. Saw is designed for left or right mounting of blade and blade guard. Travel speed; 0 - 220 FPM forward, 0 - 100 FPM reverse



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MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



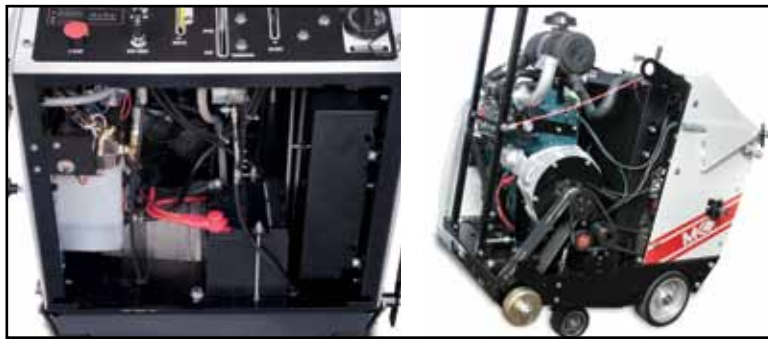
Control Panel

Instruments are positioned for better visibility, quick access and ease of operation. Control set provides proportional blade raising/lowering and travel speed with one hand operation.



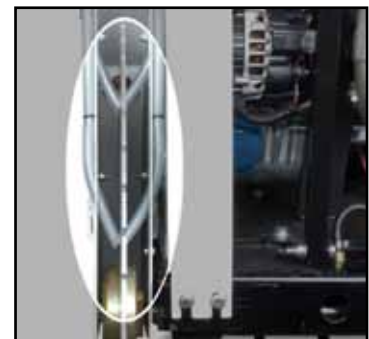
Engine Power

The MK-4000 Professional Series is available with a Hyundai 48 Hp gas engine or Kubota 44 Hp diesel engine. The saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.



Easy Access

Removable rear and side panels for easy accessibility for service and preventive maintenance.



Water Delivery

Blade guard uses "ride on the blade" water tubes for superior water delivery and blade cooling.



Blade Guard

Quick, release, auto-latching bayonet mount blade guard. Optional: Meco Spade available to allow for use of old style Meco guards.



Balanced Design

Superb balance that minimizes user fatigue while increasing maneuverability and providing straight line tracking during cutting.



Blade Shaft

Removable blade shaft stub for easy maintenance. Totally enclosed and sealed blade shaft with continuous oil bath lubrication system.



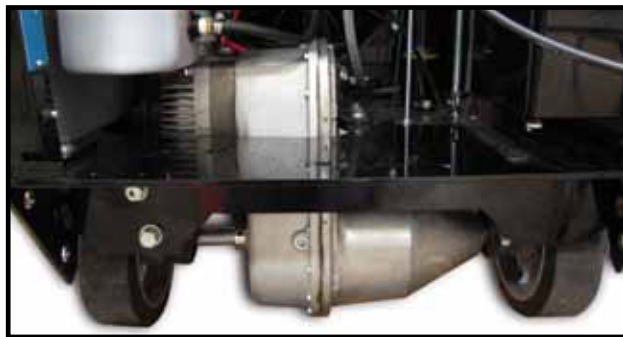
Maneuverability

Designed for both front and rear pivoting allowing for ease of movement and control. Three-position adjustable solid steel handlebars are ergonomically designed; they adjust to comfortably accommodate the operator.



Differential Drive System

Provides positive drive to both rear wheels for maximum traction when cutting on slippery surfaces and free/engage controls to allow the saw to be pushed manually.



Transmission

Eaton model 6 hydrostatic transmission coupled to an MK differentiating trans-axle provides continuous variable forward/reverse travel and cutting motion.



Axle

Axle is designed for smooth transition of raise and lower, in and out of cuts.



Accurate Tracking

Rigid frame pointer with high visibility guide wheel for accurate tracking.

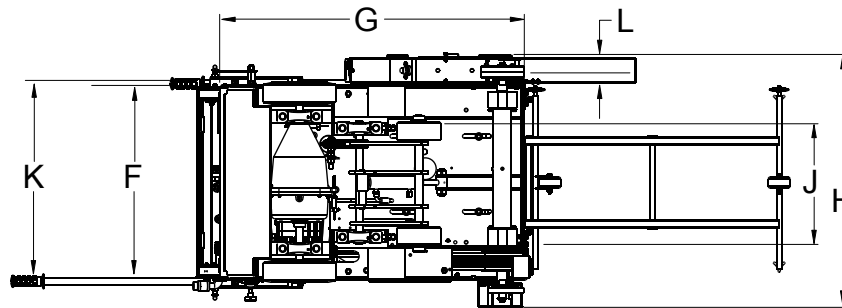
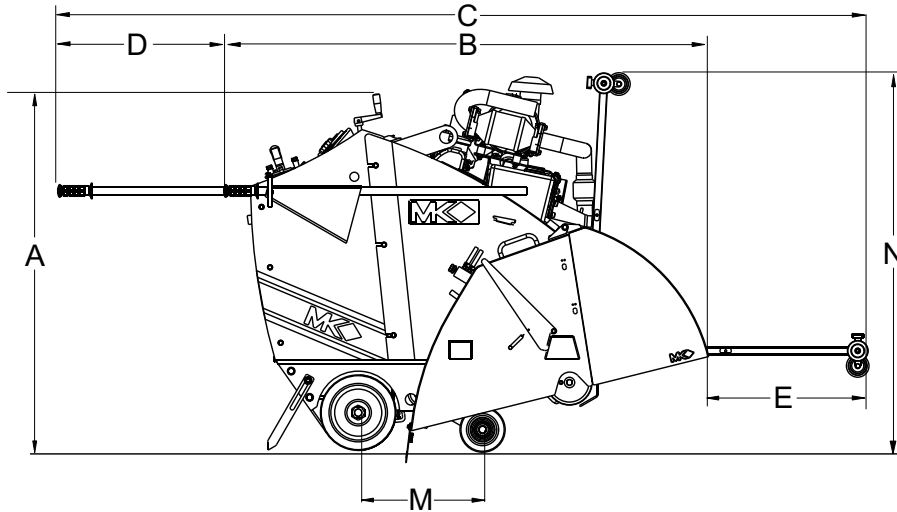


Lifting Bail

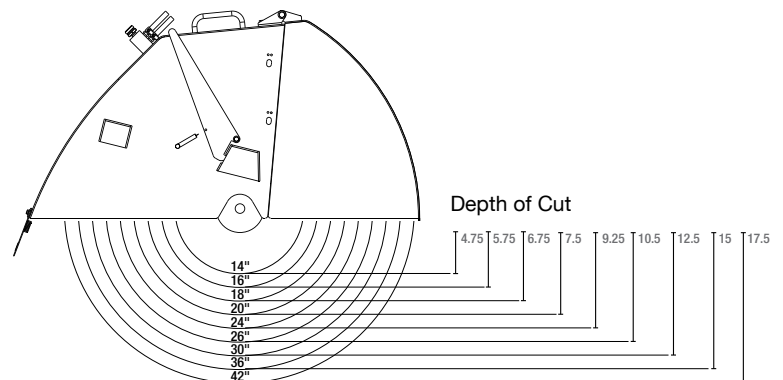
Built-in lifting bail for easy maneuverability.

MK-4000 Features

- Totally enclosed and sealed blade shaft with continuous oil bath lubrication system
- Control set provides proportional blade raising/lowering and travel speed with one hand operation
- Quick release, auto-latching bayonet mount blade guard
- Blade guard uses "ride on the blade" water tubes for superior water delivery and blade cooling
- Eaton model 6 Hydrostatic transmission coupled to an MK differentiating trans-axle
- Saw designed for left or right side mounting of blade and blade guard
- Differential lock (for cutting on slippery surfaces) and free wheel/engage controls (to allow the saw to be pushed manually)
- Three-position adjustable solid steel handlebars
- Rigid frame front pointer with high visibility guide wheel for accurate tracking
- EPA Tier III/Interim Tier IV and CARB compliant
- One Seven Rib Powerband
- Travel Speed: 0-220 FPM Forward, 0-100 FPM Reverse
- Fuel Capacity: 5.75 gallons
- L x W x H: 64¼" x 34¾" x 47"



Item	Description	Inches	(mm)
A	Height	47"	(1,194)
B	Minimum Saw Length (Transport)	64-1/4"	(1,632)
C	Maximum Overall Length (Working)	107-1/2"	(2,731)
D	Handle Extension	22"	(559)
E	Maximum Pointer Extension	21-1/4"	(540)
F	Frame Width	27"	(686)
G	Frame Length	42"	(1,067)
H	Saw Width	34-3/4"	(863)
J	Front - Outside to Outside Wheel Width	17"	(432)
K	Rear - Outside to Outside Wheel Width	27-1/2"	(699)
L	Blade to Wall	2-1/4"	(57)
M	Wheel Base Length	16-1/2"	(419)
M	Maximum Overall Height w/Pointer Up	50"	(1270)



*Engine Power Information listed on page 157.



MK-4026HY



MK-4000 Pro Gas Series Self-Propelled Concrete Saws

The MK-4000 heavy-duty Concrete Saw has been engineered for operator convenience, improved accessibility for maintenance and better control during operations. The MK-4000 has been designed for both front and rear pivoting and has easily removable rear and side panels to provide easy accessibility for maintenance. The MK-4000 saws are EPA Tier 3/Interim 4 compliant. One-year limited warranty.

Hyundai (Gas) Water Cooled

Engine The 48 Hp Hyundai 416 is a 4 cylinder in-line, DOHC, gasoline fueled, spark-ignited, liquid-cooled engine. It is computer-controlled, fuel efficient, multi-port fuel injected, has low emissions and meets all EPA and CARB requirements. The engine utilizes a check engine light to provide diagnostic codes through a connector. This engine is 1599cc in displacement with a 10.1 to 1 compression ratio. It features a cast iron engine block and a cast aluminum head. This is a super quiet, powerful, low vibration, state of the art engine.

Power ZPP-416* (48 Hp)

Weight 1,120 lbs. (510 kg)

Model	MK-4020HY	MK-4026HY	MK-4030HY	MK-4036HY
Blade Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)	36" (914 mm)
Blade RPM	2,200	1,900	1,650	1,350
Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)	15" (381 mm)
Part#	167196-20	167196-26	167196-30	167196-36

*Engine Power Information listed on page 157.
14" blade guard model available on request.
Blade not included.



MK-4020KB



MK-4000 Pro Diesel Series Self-Propelled Concrete Saws

Kubota (Diesel) Water Cooled

Engine The 44 Hp Kubota V1505-T-E3B is a 4 cylinder in-line, diesel fueled, turbo-charged, liquid-cooled engine. It is fuel efficient, altitude compensating, has low emissions and meets all EPA and CARB requirements. The engine is 1498cc in displacement and features Kubota's Three Vortec Combustion system, which produces an ideal air/fuel mixture that provides increased combustion efficiency and cleaner exhaust.

Power V1505-T-E3B* (44 Hp)

Weight 1,080 lbs. (490 kg)

	Model MK-4020KB	MK-4026KB	MK-4030KB	MK-4036KB
Blade Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)	36" (914 mm)
Blade RPM	2,200	1,900	1,650	1,350
Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)	15" (381 mm)
Part#	167420-20	167420-26	167420-30	167420-36

*Engine Power Information listed on page 157.
14" blade guard model available on request.
Blade not included.



MK-4000 Pro 3-Speed Diesel Series Self-Propelled Concrete Saws

Kubota (Diesel) 3-Speed

Engine The 44 Hp Kubota V1505-T-E3B is a 4 cylinder in-line, diesel fueled, turbo-charged, liquid-cooled engine. It is fuel efficient, altitude compensating, has low emissions and meets all EPA and CARB requirements. The engine is 1498cc in displacement and features Kubota's Three Vortec Combustion system, which produces an ideal air/fuel mixture that provides increased combustion efficiency and cleaner exhaust.

Power V1505-T-E3B* (44 Hp)

Weight 1,080 lbs. (490 kg)

Model	MK-4020KBG	MK-4026KBG	MK-4030KBG	MK-4036KBG
Blade Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)	36" (914 mm)
Blade Shaft RPM*	1300/ 2000 /3000	1300 /2000/3000	1300 /2000/3000	1300 /2000/3000
Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)	15" (381 mm)
Gear Box	Three Speed	Three Speed	Three Speed	Three Speed
Part#	167420-20G	167420-26G	167420-30G	167420-36G

*Engine Power Information listed on page 157.

Bold blade shaft RPM indicates correct speed for model listed above.

14" blade guard model available on request.

Blade not included.



Hardened steel gear sets with large 12DP tooth size ensures high horsepower transfer and long life.



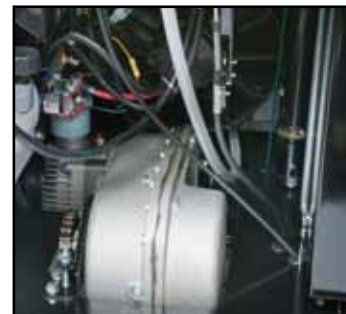
Transmissions are tested at the component level to ensure quality, function & longevity.



Differential assembly test fixture is an example of many ways we ensure quality and accuracy during the assembly process.

MK-6000 Series Self-Propelled Concrete Saws

The MK-6000 heavy-duty concrete saw has been engineered for operator convenience and better control during operations. The MK-6000 has been designed for front pivoting and has easily removable rear and side panels to provide easy accessibility for maintenance. The engines meet current EPA Interim Tier IV/Stage III A emissions regulations, which are the most stringent in this class.



Maneuverability

Designed for front pivoting allowing for ease of movement and control. Balanced weight distribution minimizes user fatigue while increasing maneuverability.

Axle

Axle is designed for smooth transition of raise and lower, in and out of cuts. Solid rear axle for traction during cutting.

Transmission

Eaton model 6 hydrostatic transmission coupled to an MK differentiating trans-axle provides continuous variable forward/reverse travel and cutting motion.



Lifting Bail

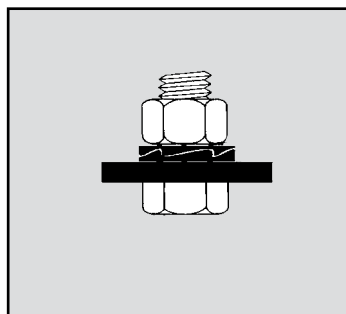
Built-in lifting bail for easy maneuverability.

Accurate Tracking

Rigid frame, telescoping pointer with high visibility guide wheel for accurate tracking.

Belt Drive

One 10 rib powerband from engine to blade shaft.



Control Panel

Instruments are positioned for better visibility, quick access and ease of operation. Control set provides proportional blade raising/lowering and travel speed with one hand operation.

Locking Washers

Self-Mating washers resist vibration and slippage; they are used in key locations. The more they vibrate, the tighter they lock due to a series of inclined cams and ridges.

Blade Shaft

Removable blade shaft stub for easy maintenance. Totally enclosed and sealed blade shaft with continuous oil bath lubrication system.



Engine Power

The 59Hp and 66Hp Kubota engines are 4 cylinder in-line, turbocharged, liquid-cooled, high power density, diesel fueled engines. These engines comply with EPA Interim Tier IV emissions regulations, which are the most stringent in this class. Kubota's improved E-TVCS (Three Vortex Combustion System) on the 59Hp and the E-CDIS (Center Direct Injection System) on the 66Hp provide 25% lower particulate matter (PM) levels than comparable engines in this class that only meet EPA Tier III. These new engines have been designed to reduce transmitted vibrations and radiated sound, resulting in lower noise levels. These saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.

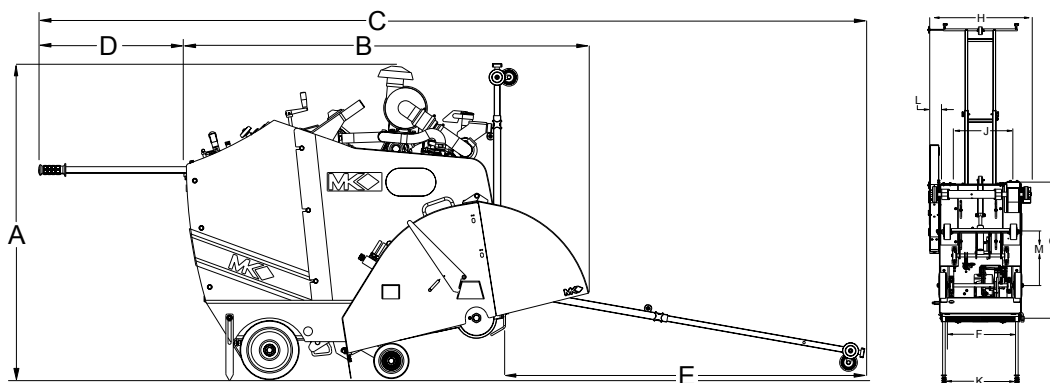
General Specifications

Arbor Size	1" (25 mm) w/ 3/8" Drive Pin	Speed	0-222 FPM (Forward) 0-100 FPM (Reverse)
Blade Shaft Diameter	2" (58 mm)	Chassis	Heavy Duty jig-welded box frame
Blade Shaft Bearings	Oil Bath	Power Source	Diesel Turbo Charged
Blade Shaft Drive	1 Ten Rib Powerband	Cylinders	Four Cylinder Turbo Diesel
Blade Guard Attachment	Quick Detach Bayonet	Fuel Capacity	10 Gal (34 liter)
Blade Control	Electro-Hydraulic	Oil Capacity MK-6000	10 Qt. (9.4 liter)
Axle - Front	1" (25 mm)	Oil Capacity MK-6600	10.75 Qt.
Axle - Rear	1" (25 mm)	Air Filter	Three Stage Sy-Klone
Wheels - Front	6" x 2-1/2" x 1" (152 x 64 x 25 mm)	Starter	Electric
Wheels - Rear	10" x 3" x 1" (254 x 77 x 25 mm)	Engine Cooling	Liquid Cooled
Handle Bars/ Adjustment Length	32-1/2" (826 mm)	Travel Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)
Transmission	Eaton Hydrostatic	Rear End/Differential	Differential
Control	Forward/Reverse Control, Engage /Disengaged Controls and Differential Lock		

Saw Dimensions

A Height	53-1/2" (1,346 mm)	J Outside to Outside Wheel Width - Front	28" (711 mm)
B Minimum Saw Length	70" (1,778 mm)	K Outside to Outside Wheel Width - Rear	32" (812 mm)
C Maximum Overall Length	140-1/2" (3,568 mm)	L Blade to Wall	2-1/4" (57 mm)
D Handle Extension	22" (559 mm)	M Wheel Base Length	20-1/2" (570 mm)
E Maximum Pointer Extension	62" (1,575 mm)	Weight Crated	59 Hp 1,900lbs (821 kg) 66 Hp 2,020lbs (916 kg)
F Frame Width	31-1/2" (800 mm)	Weight Uncrated	59 Hp 1,750lbs (827 kg) 66 Hp 1,870lbs (848 kg)
G Frame Length	50" (1,270 mm)		
H Maximum Saw Width*	39-1/2" (1,003 mm)		

*35" Saw width with blade guard and blade shaft stub removed to fit through a 36" doorway.





MK-6000 Pro Series Self-Propelled Concrete Saws

The MK-6000 heavy-duty concrete saw has been engineered for operator convenience and better control during operations. The MK-6000 has been designed for front pivoting and has easily removable rear and side panels to provide easy accessibility for maintenance. The engines meet current EPA Interim Tier IV/Stage III A emissions regulations, which are the most stringent in this class.

MK-6000 Pro Single Speed Series 59 Hp

Kubota V2403-M-T Single Speed

Engine The 59Hp Kubota engines are 4 cylinder in-line, turbocharged, liquid-cooled, high power density, diesel fueled engines. These engines comply with EPA Interim Tier IV emissions regulations, which are the most stringent in this class. Kubota's improved E-TVCS (Three Vortex Combustion System) on the 59Hp provides 25% lower particulate matter (PM) levels than comparable engines in this class that only meet EPA Tier III. These new engines have been designed to reduce transmitted vibrations and radiated sound, resulting in lower noise levels. These saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.

Power V2403-M-T 59 Hp* (44.0kw)

Displacement 148.5 cu in. (2,434 Liters)

Bore 3.43" (87 mm)

Stroke 4.03" (78.4 mm)

Model	MK-6020KB	MK-6026KB	MK-6030KB	MK-6036KB
Blade Guard Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)	36" (914 mm)
Blade Shaft RPM	1,980	1,850	1,550	1,300
Max. Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)	15" (381 mm)
Blade Flange Diameter	4" (102 mm)	5" (127 mm)	5" (127 mm)	6" (152 mm)
Part #	165149-20	165149-26	165149-30	165149-36

*Engine Power Information listed on page 157.
14" blade guard model available on request.
Blade not included.

MK-6000 Pro Single Speed Series 66 Hp

Kubota V2607-DI-T-E3B Single Speed

Engine	The 66Hp Kubota engines are 4 cylinder in-line, turbocharged, liquid-cooled, high power density, diesel fueled engines. These engines comply with EPA Interim Tier IV emissions regulations, which are the most stringent in this class. Kubota's improved E-CDIS (Center Direct Injection System) on the 66Hp provides 25% lower particulate matter (PM) levels than comparable engines in this class that only meet EPA Tier III. These new engines have been designed to reduce transmitted vibrations and radiated sound, resulting in lower noise levels. These saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.			
Power	V2607-DI-T-E3B 66 Hp* (49.2kw)			
Displacement	159.6 cu in. (2,615 Liters)			
Bore	3.43" (87 mm)			
Stroke	4.33" (109.9 mm)			

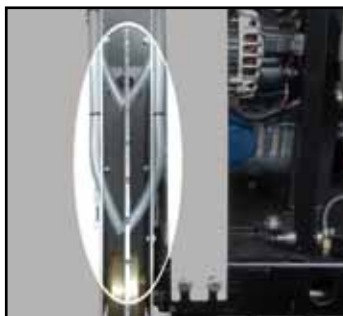
Model	MK-6620KB	MK-6626KB	MK-6630KB	MK-6636KB
Blade Guard Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)	36" (914 mm)
Blade Shaft RPM	1,980	1,850	1,550	1,300
Max. Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)	15" (381 mm)
Blade Flange Diameter	4" (102 mm)	5" (127 mm)	5" (127 mm)	6" (152 mm)
Part #	165147-20	165147-26	165147-30	165147-36

*Engine Power Information listed on page 157.
14" blade guard model available on request.
Blade not included.



Ergonomic Handles

Three-position adjustable solid steel handlebars are ergonomically designed; they adjust to comfortably accommodate the operator.



Water Delivery

Blade guard uses "ride on the blade" water tubes for superior water delivery and blade cooling.



Blade Guard

Quick release, auto-latching bayonet mount blade guard.



Headlamp

Optional headlamp is available for all MK-4000 and MK-6000 saws.
Part #170304

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

MK-6000 Pro 3-Speed Series

The 3-speed blade shaft gearbox allows for multiple blade diameters without belt/pulley changes reducing labor time. Located at the front of the saw for easy access, the gearbox is used to change output speed of the blade shaft. Blade capacity is from 14" to 42".

The 3-Speed Series offers the widest range of blade sizes, without pulley changes, of any saw available on the market.

Three Speed Gear Box Models

Selected Gear	Blade Diameter/Blade Guard	RPM
High	14" - 16"	2500
Medium	22" - 30"	1700
Low	36" - 42"	1100



Belts

One 10 rib powerband from engine to gearbox.



Gearbox

is water-cooled for longevity and long maintenance intervals.



Gear Shift

Gearbox shift lever locks in place.

MK-6000 Pro 3-Speed Series 59 Hp

Kubota V2403-M-T Three Speed

Engine The 59Hp Kubota engines are 4 cylinder in-line, turbocharged, liquid-cooled, high power density, diesel fueled engines. These engines comply with EPA Interim Tier IV emissions regulations, which are the most stringent in this class. Kubota's improved E-TVCS (Three Vortex Combustion System) on the 59Hp and the E-CDIS (Center Direct Injection System) on the 66Hp provide 25% lower particulate matter (PM) levels than comparable engines in this class that only meet EPA Tier III. These new engines have been designed to reduce transmitted vibrations and radiated sound, resulting in lower noise levels. These saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.

Power V2403-M-T 59 Hp* (44.0kw)

Displacement 148.5 cu in. (2,434 Liters)

Bore 3.43" (87 mm)

Stroke 4.03" (78.4 mm)

Model	MK-6020KBG	MK-6026KBG	MK-6030KBG
Blade Guard Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)
Blade Shaft RPM	1100/1700/2500	1100/1700/2500	1100/1700/2500
Max. Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)
Blade Flange Diameter	4" (102 mm)	5" (127 mm)	5" (127 mm)
Part #	165149-20G	165149-26G	165149-30G
Model	MK-6036KBG	MK-6042KBG	
Blade Guard Capacity	36" (914 mm)	42" (1067 mm)	
Blade Shaft RPM	1100/1700/2300	1100/1700/2500	
Max. Depth of Cut	15" (381 mm)	17-1/2" (495 mm)	
Blade Flange Diameter	6" (152 mm)	7" (177 mm)	
Part #	165149-36G	165149-42G	

*Engine Power Information listed on page 157.

Bold blade shaft RPM indicates correct speed for model listed above.
14" blade guard model available on request.



MK-6000 Pro 3-Speed Series 66 Hp

Kubota V2607-DI-T-E3B Three Speed

Engine The 66Hp Kubota engines are 4 cylinder in-line, turbocharged, liquid-cooled, high power density, diesel fueled engines. These engines comply with EPA Tier III/Interim Tier IV emissions regulations, which are the most stringent in this class. Kubota's improved E-TVCS (Three Vortex Combustion System) on the 59Hp and the E-CDIS (Center Direct Injection System) on the 66Hp provide 25% lower particulate matter (PM) levels than comparable engines in this class that only meet EPA Tier III. These new engines have been designed to reduce transmitted vibrations and radiated sound, resulting in lower noise levels. These saws feature a three stage dual element radial seal air filter that protects the engine and delivers long filter life.

Power V2607-DI-T-E3B 66 Hp* (49.2kw)

Displacement 159.6 cu in. (2,615 Liters)

Bore 3.43" (87 mm)

Stroke 4.33" (109.9 mm)

Model	MK-6620KBG	MK-6626KBG	MK-6630KBG
Blade Guard Capacity	20" (508 mm)	26" (660 mm)	30" (762 mm)
Blade Shaft RPM	1100/1700/ 2500	1100/ 1700 /2500	1100/ 1700 /2500
Max. Depth of Cut	7-1/2" (191 mm)	10-1/2" (267 mm)	12-1/2" (318 mm)
Blade Flange Diameter	4" (102 mm)	5" (127 mm)	5" (127 mm)
Part #	165147-20G	165147-26G	165147-30G
Model	MK-6636KBG	MK-6642KBG	
Blade Guard Capacity	36" (914 mm)	42" (1067 mm)	
Blade Shaft RPM	1100 /1700/2500	1100 /1700/2500	
Max. Depth of Cut	15" (381 mm)	17-1/2" (495 mm)	
Blade Flange Diameter	6" (152 mm)	7" (177 mm)	
Part #	165147-36G	165147-42G	

*Engine Power Information listed on page 157.
 Bold blade shaft RPM indicates correct speed for model listed above.
 14" blade guard model available on request.
 Blade not included.

**EARLY ENTRY
CONCRETE BLADE**



GC-10 Premium Green Concrete Blades - Soft Bond

Diameter	Width	Arbor	MK Part #	Zenesis™ EZ Part #
5" (127 mm)	.080	Tri	166712	•
5-1/2" (139 mm)	.080	Tri	166713	169984
6" (152 mm)	.095	Tri	166714	169974
7" (178 mm)	.095	Tri	166715	•
8" (203 mm)	.095	Tri	166716	169975
9" (229 mm)	.095	Tri	166717	•
10" (254 mm)	.095	Tri	166718	169976
10" (254 mm)	.250	Tri	166719	169977
12" (305 mm)	.125	Tri	166720	169978
12" (305 mm)	.250	Tri	166721	169979
13-3/8" (340 mm)	.125	Tri	166722	•
13-3/8" (340 mm)	.250	Tri	166723	•
13-1/2" (343 mm)	.125	Tri	•	169980
13-1/2" (343 mm)	.250	Tri	•	169981
14" (356 mm)	.125	Tri	166711	169982
14" (356 mm)	.250	Tri	166725	169983



GC-20 Premium Green Concrete Blades - Medium Soft Bond

Diameter	Width	Arbor	MK Part #	Zenesis™ EZ Part #
5" (127 mm)	.080	Tri	166726	169985
5-1/2" (139 mm)	.080	Tri	166727	169996
6" (152 mm)	.095	Tri	166710	169986
7" (178 mm)	.095	Tri	166729	•
8" (203 mm)	.095	Tri	166730	169987
9" (229 mm)	.095	Tri	166731	•
10" (254 mm)	.095	Tri	166732	169988
10" (254 mm)	.250	Tri	166733	169989
12" (305 mm)	.125	Tri	166734	169990
12" (305 mm)	.250	Tri	166735	169991
13-3/8" (340 mm)	.125	Tri	166736	•
13-3/8" (340 mm)	.250	Tri	166737	•
13-1/2" (343 mm)	.125	Tri	•	169992
13-1/2" (343 mm)	.250	Tri	•	169993
14" (356 mm)	.125	Tri	166738	169994
14" (356 mm)	.250	Tri	166739	169995



A skid plate shield is included with all Early Entry blades.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



GC-35 Premium Green Concrete Blades - Medium Bond

Diameter	Width	Arbor	MK Part #	Zenesis™ EZ Part #
5" (127 mm)	.080	Tri	166740	169997
5-1/2" (139 mm)	.080	Tri	166741	170010
6" (152 mm)	.095	Tri	166709	169998
6" (152 mm)	.225	Tri	•	169999
7" (178 mm)	.095	Tri	166743	•
8" (203 mm)	.095	Tri	166744	170000
8" (203 mm)	.225	Tri	•	170001
9" (229 mm)	.095	Tri	166745	•
10" (254 mm)	.095	Tri	166746	170002
10" (254 mm)	.250	Tri	166747	170003
12" (305 mm)	.125	Tri	166748	170004
12" (305 mm)	.250	Tri	166749	170005
13-3/8" (340 mm)	.125	Tri	166750	•
13-3/8" (340 mm)	.250	Tri	166751	•
13-1/2" (343 mm)	.125	Tri	•	170006
13-1/2" (343 mm)	.250	Tri	•	170007
14" (356 mm)	.125	Tri	166752	170008
14" (356 mm)	.250	Tri	166753	170009



GC-55 Premium Green Concrete Blades - Hard Bond

Diameter	Width	Arbor	MK Part #	Zenesis™ EZ Part #
5" (127 mm)	.080	Tri	166754	170011
5-1/2" (139 mm)	.080	Tri	166755	170024
6" (152 mm)	.095	Tri	166756	170012
6" (152 mm)	.225	Tri	•	170013
7" (178 mm)	.095	Tri	166757	•
8" (203 mm)	.095	Tri	166758	170014
8" (203 mm)	.225	Tri	•	170015
9" (229 mm)	.095	Tri	166759	•
10" (254 mm)	.095	Tri	166760	170016
10" (254 mm)	.250	Tri	166761	170017
12" (305 mm)	.125	Tri	166762	170018
12" (305 mm)	.250	Tri	166763	170019
13-3/8" (340 mm)	.125	Tri	166764	•
13-3/8" (340 mm)	.250	Tri	166765	•
13-1/2" (343 mm)	.125	Tri	•	170020
13-1/2" (343 mm)	.250	Tri	•	170021
14" (356 mm)	.125	Tri	166766	170022
14" (356 mm)	.250	Tri	166767	170023

**DUCTILE IRON
PIPE (DRY)**



MK-404DIP Supreme Ductile Iron Blades

This specialty blade is designed for cutting of ductile iron pipe, reinforced concrete pipe and rebar. Electroplated diamonds provide deburring action during the cut. No loss of depth during cutting.

Diameter	Width	Arbor	Part#
12" (305 mm)	.100	1"	156953
14" (356 mm)	.125	1"	157333
16" (406 mm)	.125	1"	158217



Segment Height: 10 mm

**LASER
WELDED**

CRACK CHASERS

MK Diamond dry cutting crack chasers quickly rout and widen cracks in both concrete and asphalt. These diamond blades are specifically designed for existing cracks in surfaces that require a "V" groove for sealing preparation. The inverted "V" shaped laser welded segment has 1/2-inch diamond depth. The segment fits into a crack and opens up the area with uniform edging. Cracks can then be filled to prevent further damage to the concrete or asphalt. MK Diamond crack chasers deliver both fast cutting and long service life in abrasive materials.



MK-404DV Supreme V-Segment Crack Chasers

Diameter	Width	Arbor	Part#
4" (102 mm)	.375	7/8"-5/8"	156048
4" (102 mm)	.375	5/8"-11	156262
4-1/2" (114 mm)	.375	5/8"-11	157682
5" (127 mm)	.375	7/8"-5/8"	159626
7" (178 mm)	.375	7/8"-5/8"	156056
7" (178 mm)	.375	5/8"-11	157370
8" (203 mm)	.375	7/8"-5/8"	157214



Segment Height: 10 mm

**LASER
WELDED**

MK-8250 Supreme Crack Chaser

Diameter	Width	Arbor	Part#
8" (203 mm)	.250	1"	151927

MK-8375 Supreme Crack Chaser

Diameter	Width	Arbor	Part#
8" (203 mm)	.375	1"	151934

MK-8500 Supreme Crack Chaser

Diameter	Width	Arbor	Part#
8" (203 mm)	.500	1"	151938



Segment Height: 10 mm

**LASER
WELDED**

**WALL SAW
BLADES (WET)**



MK-435 Professional Wall Saw Blades

Each MK Diamond wall saw diamond blade has been specifically designed for the hardness of the material to be cut and the horsepower of the saw to be used. Wall saw bonds range from very soft bronze bonds for sawing hard aggregate or high-steel-content concrete with low horsepower saws, to abrasive-resistant bonds for sawing abrasive stock walls with high-horsepower saws. Call for quote. Flush cut arbors available upon request.

Diameter	Width	Arbor	Part#
24" (610 mm)	.165	1"	152446
24" (610 mm)	.187	1"	158926
24" (610 mm)	.210	1"	153446
26" (660 mm)	.187	1"	158927
26" (660 mm)	.210	1"	158928
30" (762 mm)	.187	1"	158929
30" (762 mm)	.210	1"	150723
36" (914 mm)	.187	1"	158930
36" (914 mm)	.220	1"	153505
42" (1066 mm)	.187	1"	158931
42" (1066 mm)	.210	1"	150566
48" (1219 mm)	.187	1"	158932
48" (1219 mm)	.220	1"	158933
48" (1219 mm)	.250	1"	158934



Segment Height: 8 mm
Additional blade diameters, widths, and special arbors available upon request.

**ASPHALT/GREEN
CONCRETE (DRY)**



**LASER
WELDED**



**LASER
WELDED**

The MK-365D, MK-465D and MK-485D Series diamond blades have been manufactured with the latest technology and the highest quality diamonds. Engineered for superior cutting performance, these diamond blades provide peak efficiency and consistent cutting speed in all asphalt and green concrete applications.

MK-365D Premium Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	152780
14" (356 mm)	.125	1"	152781



Segment Height: 10 mm

MK-465D Premium Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	150617
12" (305 mm)	.187	1"	152143
12" (305 mm)	.250	1"	151417
14" (356 mm)	.125	1"	150618
14" (356 mm)	.125	20 mm	150618Z
14" (356 mm)	.250	1"	151826
14" (356 mm)	.375	1"	153381
16" (406 mm)	.125	1"	154064
18" (457 mm)	.142	1"	153550



Segment Height: 10 mm

TILE
STONE
LAPIDARY
MASONRY
CONCRETE
MIXERS
CORING
FLOOR PREP
METAL
TROUBLESHOOTING
POLICIES



**ASPHALT/GREEN
CONCRETE (DRY)**



MK-485D Supreme Blades

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	150619
12" (305 mm)	.125	20 mm	150619Z
12" (305 mm)	.187	1"	152443
12" (305 mm)	.250	1"	153830
12" (305 mm)	.375	1"	151792
14" (356 mm)	.125	1"	150620
14" (356 mm)	.187	1"	152033
14" (356 mm)	.250	1"	152732
14" (356 mm)	.375	1"	152731
16" (406 mm)	.125	1"	153377
18" (457 mm)	.125	1"	151396
18" (457 mm)	.250	1"	152716
18" (457 mm)	.375	1"	152647
20" (508 mm)	.125	1"	152996
20" (508 mm)	.250	1"	151805

**LASER
WELDED**



Segment Height: 12 mm
Special sizes available upon request.

**CONCRETE
BLADES (WET)**



MK-500 Standard Blades

Diameter	Width	Arbor	Part #
10" (254 mm)	.110	1"	128876
12" (305 mm)	.125	1"	130229
12" (305 mm)	.250	1"	128918
12" (305 mm)	.375	1"	135079
14" (356 mm)	.125	1"	130252
14" (356 mm)	.250	1"	135095
14" (356 mm)	.375	1"	153256
16" (406 mm)	.125	1"	139212
18" (457 mm)	.125	1"	128959
18" (457 mm)	.155	1"	157788
20" (508 mm)	.142	1"	135202
24" (610 mm)	.155	1"	135210
24" (610 mm)	.185	1"	135228
26" (660 mm)	.155	1"	139261
26" (660 mm)	.185	1"	135236
30" (762 mm)	.185	1"	135244
30" (762 mm)	.210	1"	135251
36" (914 mm)	.185	1"	135269
36" (914 mm)	.210	1"	135277
36" (914 mm)	.250	1"	135285

**LASER
WELDED**



Segment Height: 8 mm

**CURED CONCRETE
(WET)**



**LASER
WELDED**

MK-505 Premium Blades

Diameter	Width	Arbor	Part#
10" (254 mm)	.110	1"	128991
12" (305 mm)	.110	1"	129015
12" (305 mm)	.125	1"	129023
12" (305 mm)	.250	1"	129031
12" (305 mm)	.375	1"	135087
14" (356 mm)	.125	1"	129056
14" (356 mm)	.250	1"	135103
14" (356 mm)	.375	1"	151408
16" (406 mm)	.125	1"	139238
18" (457 mm)	.125	1"	129072
20" (508 mm)	.142	1"	135301
24" (610 mm)	.155	1"	135319
24" (610 mm)	.185	1"	133884
26" (660 mm)	.155	1"	139279
26" (660 mm)	.185	1"	135327
28" (711 mm)	.210	1"	151373
30" (762 mm)	.185	1"	133843
30" (762 mm)	.210	1"	135335
36" (914 mm)	.185	1"	135343
36" (914 mm)	.210	1"	135350
36" (914 mm)	.250	1"	135368

Segment Height: 10 mm
Additional blade diameters, widths, and special arbors available upon request.



**LASER
WELDED**

MK-525 Supreme Blades

Diameter	Width	Arbor	Part#
10" (254 mm)	.110	1"	134866
12" (305 mm)	.110	1"	134882
12" (305 mm)	.125	1"	134890
12" (305 mm)	.250	1"	134908
12" (305 mm)	.375	1"	134916
14" (356 mm)	.110	1"	134932
14" (356 mm)	.125	1"	134940
14" (356 mm)	.250	1"	134957
14" (356 mm)	.375	1"	151713
16" (406 mm)	.125	1"	139253
18" (457 mm)	.125	1"	134965
20" (508 mm)	.125	1"	134973
24" (610 mm)	.155	1"	134981
24" (610 mm)	.185	1"	134999
26" (660 mm)	.155	1"	139287
26" (660 mm)	.187	1"	135004
28" (711 mm)	.210	1"	150131
30" (762 mm)	.187	1"	135012
30" (762 mm)	.210	1"	135020
36" (914 mm)	.185	1"	135038
36" (914 mm)	.210	1"	135046
36" (914 mm)	.250	1"	135053
48" (1219 mm)	.220	1"	169053

Segment Height: 12 mm
Additional blade diameters, widths, and special arbors available upon request.



**GREEN CONCRETE
(WET)**



**LASER
WELDED**

MK-610W Supreme Blades

The loose sand in green concrete makes it more abrasive than cured concrete. The MK-610W contains a hard metal matrix to resist the abrasion and holds the diamond longer for extended blade life.

Diameter	Width	Arbor	Part#
12" (305 mm)	.110	1"	150685
12" (305 mm)	.125	1"	139121
12" (305 mm)	.145	1"	150616
12" (305 mm)	.187	1"	150249
12" (305 mm)	.250	1"	139139
14" (356 mm)	.125	1"	139147
14" (356 mm)	.187	1"	152044
14" (356 mm)	.250	1"	139154
18" (457 mm)	.142	1"	139162



Segment Height: 10 mm
Additional blade diameters, widths, and special arbors available upon request.

**ASPHALT OVER
CONCRETE (WET)**



**LASER
WELDED**

MK-615W Premium Blades

Diameter	Width	Arbor	Part #
10" (254 mm)	.110	1"	150223
12" (305 mm)	.110	1"	150224
12" (305 mm)	.125	1"	150225
12" (305 mm)	.250	1"	150226
12" (305 mm)	.375	1"	150227
14" (356 mm)	.110	1"	150228
14" (356 mm)	.125	1"	150229
14" (356 mm)	.187	1"	152768
14" (356 mm)	.250	1"	150230
14" (356 mm)	.375	1"	150144
16" (406 mm)	.125	1"	150231
18" (457 mm)	.142	1"	150232
18" (457 mm)	.250	1"	152391
20" (508 mm)	.155	1"	154294
20" (508 mm)	.375	1"	157078
24" (610 mm)	.187	1"	150233
30" (762 mm)	.187	1"	150234



Segment Height: 10 mm

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

ASPHALT OVER CONCRETE (WET)



LASER WELDED



MK-625W Supreme Blades

The vertical inserts on these blades are undercut protectors, specially positioned around the steel center to change the pattern of constant abrasion, ensuring longer lasting blade life. They provide the best undercutting protection for asphalt and asphalt overlay applications. The increased segment height on the MK-625W lowers cutting costs.

Diameter	Width	Arbor	Part#
10" (254 mm)	.110	1"	150235
12" (305 mm)	.110	1"	150236
12" (305 mm)	.125	1"	150237
12" (305 mm)	.250	1"	150238
12" (305 mm)	.375	1"	150239
14" (356 mm)	.110	1"	150240
14" (356 mm)	.145	1"	150241
14" (356 mm)	.250	1"	150242
16" (406 mm)	.125	1"	150243
18" (457 mm)	.142	1"	150244
18" (457 mm)	.155	1"	151462
18" (457 mm)	.250	1"	150815
26" (660 mm)	.187	1"	151252
32" (812 mm)	.187	1"	151686
36" (914 mm)	.187	1"	153429

Segment Height: 12 mm
Additional blade diameters, widths, and special arbors available upon request.

ASPHALT OVER CONCRETE (DRY)



LASER WELDED



MK-313 Asphalt and Asphalt/Concrete

Supreme grade, laser welded, wet/dry cutting combination diamond blades. The combination turbo/segmented rim is engineered for cutting abrasive materials like asphalt and concrete overlay applications.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"-20mm	169758
14" (356 mm)	.125	1"-20mm	169759
16" (406 mm)	.125	20mm	169760
16" (406 mm)	.125	1"	170834
18" (457 mm)	.125	1"-20mm	169761
20" (508 mm)	.145	1"-20mm	169762
24" (610 mm)	.145	1"-20mm	169763

Segment Height: 15 mm

ASPHALT/GREEN CONCRETE (DRY)



LASER WELDED



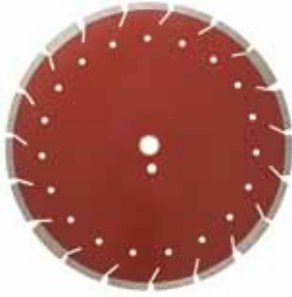
MK-699D Premium Blades

Dry cutting segmented rim diamond blades for cutting softer materials like asphalt and green concrete. Laser welded with a heavy-duty core and undercut protection.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	160930
14" (356 mm)	.125	1"	160932
14" (356 mm)	.125	20mm	160932Z
16" (406 mm)	.125	1"	162838
16" (406 mm)	.125	20mm	162838Z
18" (457 mm)	.142	1"	153491
20" (508 mm)	.155	1"	168166
24" (610 mm)	.155	1"	159030
26" (660 mm)	.155	1"	168618

Segment Height: 10 mm

**ASPHALT/GREEN
CONCRETE (DRY)**



MK-699RDX Supreme Blades

Diameter	Width	Arbor	Part #
12" (305 mm)	.125	1"	167767
14" (356 mm)	.125	1"	167768
20" (508 mm)	.125	1"	170649



Segment Height: 12 mm

ASPHALT (WET)

MK Diamond asphalt diamond blades have been formulated to exacting specifications for accurate cutting of all types of abrasive materials. Full radius core protection combined with special hardened steel cores deliver added blade life with minimal undercutting. Each asphalt specification delivers fast cutting performance and long-lasting value.

MK-700W Standard Blades

Diameter	Width	Arbor	Part #
12" (305 mm)	.125	1"	133553
12" (305 mm)	.250	1"	133397
14" (356 mm)	.125	1"	133462
14" (356 mm)	.250	1"	135178
16" (406 mm)	.125	1"	151256
18" (457 mm)	.142	1"	133405
20" (508 mm)	.155	1"	152689
24" (610 mm)	.185	1"	137414



Segment Height: 12 mm



**LASER
WELDED**

CORE PROTECTION



Full radius core protection is provided every six segments in order to protect against undercutting during all cutting operations.

MK-705W Premium Blades

MK-705W Premium asphalt diamond blades combine performance with improved blade wear. These blades have been designed for contractors who demand maximum performance and value.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	133579
12" (305 mm)	.250	1"	133447
14" (356 mm)	.125	1"	133595
14" (356 mm)	.145	1"	150126
14" (356 mm)	.250	1"	135186
14" (356 mm)	.375	1"	150977
16" (406 mm)	.125	1"	150603
18" (457 mm)	.142	1"	133850
18" (457 mm)	.250	1"	154059
20" (508 mm)	.125	1"	153598
24" (610 mm)	.187	1"	137422
26" (660 mm)	.187	1"	152397
30" (762 mm)	.210	1"	153508



Segment Height: 12 mm
Additional blade diameters, widths, and special arbors available upon request.



MK-710W Supreme Blades

MK-710W Supreme asphalt blades are recognized as the professional's choice when performance is the requirement. Higher diamond depths give lower cutting costs per inch foot.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	139048
12" (305 mm)	.250	1"	139055
12" (305 mm)	.312	1"	153249
12" (305 mm)	.375	1"	151186
14" (356 mm)	.125	1"	139063
14" (356 mm)	.250	1"	139071
16" (406 mm)	.125	1"	152646
18" (457 mm)	.125	1"	139089
18" (457 mm)	.210	1"	152031
20" (508 mm)	.155	1"	168006
24" (610 mm)	.155	1"	151298
24" (610 mm)	.187	1"	151041
26" (660 mm)	.155	1"	150957
26" (660 mm)	.187	1"	151158
30" (762 mm)	.210	1"	151341



Segment Height: 12 mm
Additional blade diameters, widths, and special arbors available upon request.



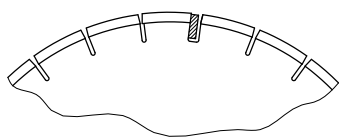
Cured Concrete



**LASER
WELDED**

Undercut Protection

Diameters: 14"-42" V Insert



V Insert – Small diamond segment inserts brazed into the slots of the core.

MK-7501 Hard Aggregate/Non-Abrasive Sand

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	153968
12" (305 mm)	.145	1"	169784
12" (305 mm)	.187	1"	169787
14" (356 mm)	.125	1"	152603
14" (356 mm)	.145	1"	169790
14" (356 mm)	.155	1"	169794
14" (356 mm)	.187	1"	169796
14" (356 mm)	.250	1"	169799
16" (406 mm)	.125	1"	152534
18" (457 mm)	.125	1"	152738
18" (457 mm)	.155	1"	154670
18" (457 mm)	.187	1"	169803
20" (508 mm)	.125	1"	153190
20" (508 mm)	.155	1"	169806
24" (610 mm)	.145	1"	169809
24" (610 mm)	.155	1"	153305
24" (610 mm)	.187	1"	161124
26" (660 mm)	.155	1"	154079
26" (660 mm)	.165	1"	169823
26" (660 mm)	.187	1"	158491
30" (762 mm)	.165	1"	169830
30" (762 mm)	.187	1"	154080
30" (762 mm)	.250	1"	169836
36" (914 mm)	.187	1"	161125
36" (914 mm)	.210	1"	169844
36" (914 mm)	.250	1"	169848
42" (1067 mm)	.187	1"	169853
42" (1067 mm)	.220	1"	169858
Wide Notch Core			
26" (660 mm)	.165	1"	169881
26" (660 mm)	.187	1"	169887
30" (762 mm)	.165	1"	169893
30" (762 mm)	.187	1"	169899
30" (762 mm)	.250	1"	169905
36" (914 mm)	.187	1"	169911
36" (914 mm)	.250	1"	169917
42" (1067 mm)	.187	1"	169923
42" (1067 mm)	.220	1"	169929



Segment Height: 14 mm • Segment Height Wide Core: 12 mm
Brazed segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

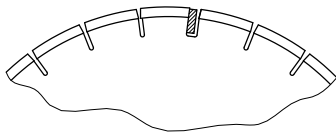
Cured Concrete



**LASER
WELDED**

Undercut Protection

Diameters: 14"-42" V Insert



V Insert – Small diamond segment inserts brazed into the slots of the core.

MK-7502 Medium/Hard Aggregate

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	152240
12" (305 mm)	.145	1"	169785
12" (305 mm)	.187	1"	169788
14" (356 mm)	.125	1"	151504
14" (356 mm)	.145	1"	169791
14" (356 mm)	.155	1"	154083
14" (356 mm)	.187	1"	169797
14" (356 mm)	.250	1"	169800
16" (406 mm)	.125	1"	153974
18" (457 mm)	.125	1"	152237
18" (457 mm)	.155	1"	154085
18" (457 mm)	.187	1"	154086
20" (508 mm)	.125	1"	153841
20" (508 mm)	.155	1"	154087
24" (610 mm)	.145	1"	169810
24" (610 mm)	.155	1"	152372
24" (610 mm)	.187	1"	169815
26" (660 mm)	.155	1"	169819
26" (660 mm)	.165	1"	153299
26" (660 mm)	.187	1"	169826
30" (762 mm)	.165	1"	154089
30" (762 mm)	.187	1"	169834
30" (762 mm)	.250	1"	169837
36" (914 mm)	.187	1"	169841
36" (914 mm)	.210	1"	169845
36" (914 mm)	.250	1"	169849
42" (1067 mm)	.187	1"	169854
42" (1067 mm)	.220	1"	169859
Wide Notch Core			
26" (660 mm)	.165	1"	169882
26" (660 mm)	.187	1"	169888
30" (762 mm)	.165	1"	169894
30" (762 mm)	.187	1"	169900
30" (762 mm)	.250	1"	169906
36" (914 mm)	.187	1"	169912
36" (914 mm)	.250	1"	169918
42" (1067 mm)	.187	1"	169924
42" (1067 mm)	.220	1"	169930



Segment Height: 14 mm • Segment Height Wide Core: 12 mm
Brazed segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

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METAL

TROUBLESHOOTING

POLICIES

MK-7503 Soft Aggregate, Abrasive Sand

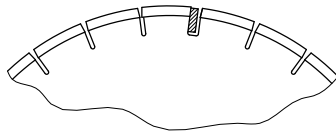
Cured Concrete



**LASER
WELDED**

Undercut Protection

Diameters: 14"-42" **V Insert**



V Insert – Small diamond segment inserts brazed into the slots of the core.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	152154
12" (305 mm)	.145	1"	169786
12" (305 mm)	.187	1"	169789
14" (356 mm)	.125	1"	153972
14" (356 mm)	.145	1"	169792
14" (356 mm)	.155	1"	154092
14" (356 mm)	.187	1"	169798
14" (356 mm)	.250	1"	169801
16" (406 mm)	.125	1"	169805
18" (457 mm)	.125	1"	153980
18" (457 mm)	.155	1"	154094
18" (457 mm)	.187	1"	169804
20" (508 mm)	.125	1"	153984
20" (508 mm)	.155	1"	169807
24" (610 mm)	.145	1"	169811
24" (610 mm)	.155	1"	153990
24" (610 mm)	.187	1"	169816
26" (660 mm)	.155	1"	169820
26" (660 mm)	.165	1"	154095
26" (660 mm)	.187	1"	169827
30" (762 mm)	.165	1"	169831
30" (762 mm)	.187	1"	169835
30" (762 mm)	.250	1"	169838
36" (914 mm)	.187	1"	169842
36" (914 mm)	.210	1"	169846
36" (914 mm)	.250	1"	169850
42" (1067 mm)	.187	1"	169855
42" (1067 mm)	.220	1"	169860
Wide Notch Core			
26" (660 mm)	.165	1"	169883
26" (660 mm)	.187	1"	169889
30" (762 mm)	.165	1"	169895
30" (762 mm)	.187	1"	169901
30" (762 mm)	.250	1"	169907
36" (914 mm)	.187	1"	169913
36" (914 mm)	.250	1"	169919
42" (1067 mm)	.187	1"	169925
42" (1067 mm)	.220	1"	169931



Segment Height: 14 mm • Segment Height Wide Core: 12 mm
Brazed segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

Asphalt

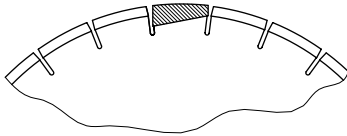


**LASER
WELDED**

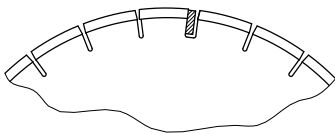
Undercut Protection

Diameters: 14"-26" **R Trapezoid**

Diameters: 30"-42" **V Insert**



R Trapezoid – Trapezoid segment. Used on laser welded blades. Similar in principle to T segments with refined geometry.



V Insert – Small diamond segment inserts brazed into the slots of the core.

MK-7625 Asphalt Overlay

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	153971
12" (305 mm)	.145	1"	154131
12" (305 mm)	.187	1"	154132
14" (356 mm)	.125	1"	153356
14" (356 mm)	.145	1"	169793
14" (356 mm)	.155	1"	169795
14" (356 mm)	.187	1"	154135
14" (356 mm)	.250	1"	169802
16" (406 mm)	.125	1"	153978
18" (457 mm)	.125	1"	153289
18" (457 mm)	.155	1"	152418
18" (457 mm)	.187	1"	153593
20" (508 mm)	.125	1"	153988
20" (508 mm)	.155	1"	169808
24" (610 mm)	.145	1"	169813
24" (610 mm)	.155	1"	169814
24" (610 mm)	.187	1"	169818
26" (660 mm)	.155	1"	169822
26" (660 mm)	.165	1"	169825
26" (660 mm)	.187	1"	169829
30" (762 mm)	.165	1"	169833
30" (762 mm)	.187	1"	153374
30" (762 mm)	.250	1"	169840
36" (914 mm)	.187	1"	153750
36" (914 mm)	.210	1"	153563
36" (914 mm)	.250	1"	169852
42" (1067 mm)	.187	1"	169857
42" (1067 mm)	.220	1"	169862
Wide Notch Core			
26" (660 mm)	.165	1"	169885
26" (660 mm)	.187	1"	169891
30" (762 mm)	.165	1"	169897
30" (762 mm)	.187	1"	169903
30" (762 mm)	.250	1"	169909
36" (914 mm)	.187	1"	169915
36" (914 mm)	.250	1"	169921
42" (1067 mm)	.187	1"	169927
42" (1067 mm)	.220	1"	169933



Segment Height: 12 mm • Segment Height Wide Core: 10 mm
Brazed segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES

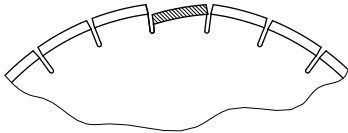
Asphalt



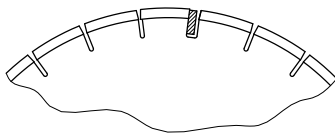
**LASER
WELDED**

Undercut Protection

Diameters: 12"-20" **C Slant**
Diameters: 24"-42" **V Insert**



C Slant – a regular segment set on a slant. Used mainly on regular concrete and asphalt saws. Part of the slanted segment is dedicated for undercutting protection.



V Insert – Small diamond segment inserts brazed into the slots of the core.

MK-7710W Soft Aggregate

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	153562
12" (305 mm)	.145	1"	169867
12" (305 mm)	.187	1"	169868
14" (356 mm)	.125	1"	152602
14" (356 mm)	.145	1"	153586
14" (356 mm)	.155	1"	169869
14" (356 mm)	.187	1"	169870
14" (356 mm)	.250	1"	169871
16" (406 mm)	.125	1"	153979
18" (457 mm)	.125	1"	153222
18" (457 mm)	.155	1"	155131
18" (457 mm)	.187	1"	153300
20" (508 mm)	.125	1"	153989
20" (508 mm)	.155	1"	169872
24" (610 mm)	.145	1"	153995
24" (610 mm)	.155	1"	169873
24" (610 mm)	.187	1"	169874
26" (660 mm)	.155	1"	169875
26" (660 mm)	.165	1"	169876
26" (660 mm)	.187	1"	169877
30" (762 mm)	.165	1"	169878
30" (762 mm)	.187	1"	157827
30" (762 mm)	.250	1"	169879
36" (914 mm)	.187	1"	169880
36" (914 mm)	.210	1"	169847
36" (914 mm)	.250	1"	169851
42" (1067 mm)	.187	1"	169856
42" (1067 mm)	.220	1"	169861
Wide Notch Core			
26" (660 mm)	.165	1"	169886
26" (660 mm)	.187	1"	169892
30" (762 mm)	.165	1"	169898
30" (762 mm)	.187	1"	169904
30" (762 mm)	.250	1"	169910
36" (914 mm)	.187	1"	169916
36" (914 mm)	.250	1"	169922
42" (1067 mm)	.187	1"	169928
42" (1067 mm)	.220	1"	169934



Segment Height: 12 mm • Segment Height Wide Core: 10 mm
Brazed segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

GREEN CONCRETE
(WET)

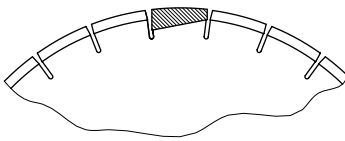
Green Concrete



**LASER
WELDED**

Undercut Protection

Diameters: 14"-18"
R Trapezoid



R Trapezoid – Trapezoid segment. Used on laser welded blades. Similar in principle to T segments with refined geometry.

MK-7601W Hard Aggregate

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	153187
12" (305 mm)	.145	1"	154096
12" (305 mm)	.187	1"	154097
14" (356 mm)	.125	1"	153867
14" (356 mm)	.145	1"	154098
14" (356 mm)	.155	1"	169812
14" (356 mm)	.187	1"	154099
14" (356 mm)	.250	1"	152774
16" (406 mm)	.125	1"	169817
18" (457 mm)	.125	1"	153981
18" (457 mm)	.155	1"	154100



Segment Height: 12 mm
Braze segments on blades over 24" diameter.
Additional blade diameters, widths, and special arbors available upon request.

CURED CONCRETE
(WET)

Joint Widening Spacers (Wet)

Diameter	Width	Arbor	Part #
8" (203 mm)	.032	1"	169943
8" (203 mm)	.064	1"	169944

CURED CONCRETE
(WET)

Joint Widening Blade



**LASER
WELDED**

MK-7501-30 Joint Widening Blade

Diameter	Width	Arbor	Part#
12" (305 mm)	.187	1"	169884
12" (305 mm)	.220	1"	169890
12" (305 mm)	.250	1"	169896
14" (356 mm)	.187	1"	169902
14" (356 mm)	.220	1"	169908
14" (356 mm)	.250	1"	169914



Segment Height: 10 mm
Additional blade diameters, widths, and special arbors available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



CANOGA

Mixers



Canoga® mixers have been recognized for over 50 years for their heavy-duty quality, dependability and value. Each mixer has been designed to increase productivity and reduce maintenance. As an industry leader, Canoga® offers a complete line of mixers from large capacity to smaller, more compact models. Canoga® mixers are backed with a comprehensive warranty and unparalleled service.



Canoga® 70 Wheelbarrow Style Mixer

The lightweight, portable Canoga 70 Mixer is suited for mixing grout and polymer based materials in smaller quantities. It can mix all material from sand and cement to self-leveling epoxies. The Model 70 is designed for operation by one person and is quiet enough to operate anywhere. Dual handle design features fixed handles in front for pouring and rear handles for transporting. This durable mixer has an all-steel frame and is powered by a high torque 1/3 Hp electric gear motor.

Motor	Baldor (Electric)
Power	1/3 Hp, 120V
Batch Capacity	1/4 to 1/3 Bag (2 Cubic Ft.)
Total Volume	4 Cubic Ft.
Drive	Single V-Belt & Gear
Wheels	4.80 x 8"
L x W x H (inches)	48" x 31" x 42"
L x W x H (mm)	1,219 x 787 x 1,067
Weight	185 lbs. (84 kg)
Part#	165785



Canoga® 80 Electric Utility Mixer

The Canoga 80 Electric Utility Mixer has a rigid tubular steel frame, and is mounted on a stationary stand. It features a heavy-duty polyethylene drum driven by a stress-proof steel shaft and gear assembly. Drum measures 23" in diameter with a 15" opening. Drum tilts easily to discharge mixed material. Powered by 1/3 Hp gear electric motor.

Motor	Baldor (Electric)
Power	1/3 Hp, 120V
Batch Capacity	1/4 to 1/3 Bag (2 Cubic Ft.)
Total Volume	4 Cubic Ft.
Drive	Single V-Belt & Gear
L x W x H (inches)	33" x 33" x 43"
L x W x H (mm)	838 x 838 x 1,092
Weight	185 lbs. (84 kg)
Part#	164145



Canoga® 113 series Concrete Mixers

The Canoga 113 Series of concrete mixers are towable with a welded steel frame and torsion bar suspension. Model 113 mixers feature cast iron ring and pinion drive system powered by 1/2 Hp TEFC electric motor or a GX120 Honda engine. Simple dump mechanism is easy to use and provides control when discharging material. Heavy-duty steel drum measures 26" in diameter with 16" opening. Tow-tongue includes cast iron 2" ball hitch.

Batch Capacity	1/3 to 1/2 Bag (3-1/2 Cubic Ft.)	
Total Volume	6-1/3 Cubic Ft.	
Drive	Single V-Belt & Gear	
Axle	Torsion-Bar	
Wheels	5.0 x 13"	
Tires	ST175/80D 13C 6 ply Bias/Load Range C	
L x W x H (inches)	95" x 62" x 63"	
L x W x H (mm)	2,413 x 1,575 x 1,600	
Weight	590 lbs. (268 kg)	
Model	Canoga 113-E	Canoga 113-GH
Engine/Motor	Baldor (Electric)	Honda (Gas)
Power	1/2 Hp, 120V	GX120*
Part#	162845	162846

*Engine Power Information listed on page 157.



Canoga® 193 series Concrete Mixers

The Canoga 193 Series of concrete mixers are towable with a welded steel frame and torsion bar suspension. Features include a cast steel pinion gear for superior wear and durability, as well as a dump gear to provide better control when discharging material. 10-gauge steel drum is fabricated with a 1/4" steel bottom and 3/8" thick reinforcing ring. Powered by 1 Hp TEFC electric motor or GX160 Honda engine. Tow-tongue includes cast iron 2" ball hitch.

Batch Capacity	1/2 to 3/4 Bag (5 Cubic Ft.)	
Total Volume	8-1/2 Cubic Ft.	
Axle	Torsion-Bar	
Wheels	5.0 x 13"	
Tires	ST175/80D 13C 6 ply Bias/Load Range C	
L x W x H (inches)	95" x 62" x 67"	
L x W x H (mm)	2,413 x 1,575 x 1,702	
Model	Canoga 193-E	Canoga 193-GH
Engine/Motor	Baldor (Electric)	Honda (Gas)
Power	1 Hp, 120V	GX160*
Drive	Single V-Belt & Gear	Dual V-Belt & Gear
Weight	700 lbs. (318 kg)	705 lbs. (320 kg)
Part#	163821	163822

*Engine Power Information listed on page 157.

Canoga® 300 series Concrete Mixers



The Canoga 300 Series of concrete mixers are towable with a welded structural tubing and channel frame, cast steel pinion gear and torsion bar suspension. Features include a geared dump system for better control and gravity latch for secure drum position. Heavy-duty 10-gauge drum fabricated with 1/4" steel bottom and 3/8" thick reinforcing ring. Powered by 1-1/2" Hp TEFC electric motor or GX240 Honda engine with dual V belts. Drum measures 34" in diameter with 19" opening. Tow-tongue includes cast iron 2" ball hitch and heavy-duty safety chain.

Batch Capacity	1-1/2 to 2 Bag (9 Cubic Ft.)	
Total Volume	15 Cubic Ft.	
Drive	Dual V-Belt & Gear	
Axle	Torsion-Bar	
Wheels	5.0 x 13"	
Tires	ST175/80D 13C 6 ply Bias/Load Range C	
Weight	1,060 lbs. (481 kg)	
Model	Canoga 300-E	Canoga 300-GH
Engine/Motor	Baldor (Electric)	Honda (Gas)
L x W x H (inches)	120" x 62" x 70"	120" x 62" x 70"
L x W x H (mm)	3,048 x 1,575 x 1,778	3,048 x 1,575 x 1,778
Power	1-1/2 Hp, 120V	GX240*
Part#	164147	163823

*Engine Power Information listed on page 157.

Canoga® 300-G Front Load



The Canoga 300-G front load towable mixer has the same features as the 300 series with the benefit of a front load drum. This system allows material to be moved from the truck bed directly to the mixing drum. This feature provides greater safety to the operator so as to not cause the operator to stand in traffic during mixing operation. Ideal for municipalities that are frequently moving from one job location to another. The mixer never has to be disengaged from the vehicle in order to operate.

Batch Capacity	1-1/2 to 2 Bag (9 Cubic Ft.)	
Total Volume	15 Cubic Ft.	
Drive	Dual V-Belt & Gear	
Axle	Torsion-Bar	
Wheels	5.0 x 13"	
Tires	ST175/80D 13C 6 ply Bias/Load Range C	
L x W x H (inches)	88" x 96" x 73"	
L x W x H (mm)	2,235 x 2,438 x 1,854	
Weight	1,060 lbs. (481 kg)	
Engine/Motor	Honda (Gas)	
Power	GX240* (6 to 1)	
Part#	167940	

*Engine Power Information listed on page 157.

Canoga® 890-GH Plaster/Mortar Mixer



The Canoga 890-GH Plaster/Mortar Mixer is constructed from structural tubing and channel and features torsion bar suspension. Drum fabricated from 1/4" and 3/16" steel plate with heavy-duty grate and permanently mounted bag splitter. Drum has a 12" by 18" opening and can tilt back for easy cleaning. Powered by GX240 Honda engine with triple V-belt drive through pinion and bull gears. Removable tow-tongue with cast iron 2" ball hitch and heavy-duty safety chain.

Model	Canoga 890-GH
Engine	Honda (Gas)
Power	GX240* (6 to 1)
Batch Capacity	2 to 3 Bag (8 Cubic Ft.)
Total Volume	10.2 Cubic Ft.
Drive	Triple V-Belt & Bull and Pinion Gear
Axle	Torsion-Bar
Wheels	5.0 x 13"
Tires	ST175/80D 13C 6 ply Bias / Load Range C
L x W x H (inches)	108" x 60" x 61"
L x W x H (mm)	2,743 x 1,524 x 1,549
Weight	984 lbs. (446 kg)
Part#	163920

*Engine Power Information listed on page 157.



Coring



MK Diamond manufactures core rigs, handheld drills and diamond core bits engineered to stand up to the rigors of the professional coring market. These tools deliver exceptional drilling performance in a wide range of concrete and masonry applications.



A

Combination Anchor Base



B

Combination Tilt Base



C

Anchor Tilt Base



D

Anchor Base

Manta III Industrial Combination/Anchor Tilt Base Core Drill Rigs

Manta III Core Drills features a precision rack-&-pinion carriage with maintenance-free, double-sealed bearings and a 2-1/2" square steel column with ceiling jack. All Manta drill rigs are engineered for positive anchoring to allow for both vertical and horizontal drilling. The feed handle can be mounted on either side for easy drilling close to walls and columns. The lightweight cast-aluminum base and built-in wheels make the Manta line easy to move and maneuver. The carriage assembly easily detaches from column for transport. Control box comes standard with amp meter and a conveniently located power switch.

Bit Capacity	1/2" to 14"				
Spindle	1-1/4"-7				
Bit Feed	27"				
L x W x H (inches)	19" x 24" x 46"				
L x W x H (mm)	480 x 610 x 1,170				
Motor	Milwaukee 4004	Milwaukee 4090	Milwaukee 4094	Milwaukee 4096	Milwaukee 4097-20
Volts / Amps	120V / 20A	120V / 15A	120V / 20A	120V / 20A	120V / 15A
Clutch	Slip Clutch	Shear Pin	Shear Pin	Slip Clutch	Slip Clutch
Motor RPM	300/600	375/750	450/900	450/950	500/1,000
Horsepower	1 Hp	1 Hp	1 Hp	1 Hp	1 Hp
(A) Combination Base Drill Stand* <small>Includes Vacuum</small>	Weight	109 lbs.	109 lbs.	109 lbs.	109 lbs.
	Part#	158639	158641	157449	157448
(B) Combination Tilt Base Drill Stand <small>Includes Vacuum</small>	Weight	114 lbs.	114 lbs.	114 lbs.	114 lbs.
	Part#	158647	158649	158644	158645
(C) Anchor Tilt Base Drill Stand	Weight	-	95 lbs.	95 lbs.	95 lbs.
	Part#	-	158657	158652	158653
(D) Anchor Base Drill Stand	Weight	-	90 lbs.	90 lbs.	90 lbs.
	Part#	-	167324	167325	167326

*Combination base drill stand without motor: Part# 157452
Core bits not included.



Manta IV Lightweight/Portable Core Drill Rig

Motor	120V / 18 Amp
Watts	2,000
No Load Speed	700 RPM
Motor Spindle	1-1/4"-7 UNC
Bit Capacity	6" (152 mm)
Carriage Travel	21" (533 mm)
L x W x H (inches)	15" x 19.5" x 34"
L x W x H (mm)	831 x 495 x 864
Weight	34 lbs. (15.4 kg)
Includes	Quick Release Water Attachment
Part#	162675

Core bits not included.



Handheld Drills

Ideal for drilling holes in floors, walls, ceilings and for all concrete anchoring systems. Fast and efficient drilling of reinforced concrete, concrete, brick, block and stone.

Model	MK-130/3	MK-2000P
	The mechanical 3-speed gearbox allows the operator to select the best speed for the core bit diameter.	This wet diamond core drill is ideal for handheld drilling of reinforced concrete, brick, block and stone.
Motor	120V / 15 Amp	120V / 15 Amp (Electronic torque limitation)
Watts	1700	1500
Speed	3 speed	2 speed
Bit Capacity	3" (76 mm) hand-held 6" (152 mm) rig mounted	1-1/2" (38 mm) hand-held 4" (102 mm) rig mounted
Connecting Threads	1-1/4"-7 UNC 5/8"-11 UNC G1/2"	1-1/4"-7 UNC 5/8"-11 UNC
Weight	16 lbs. (7.2 kg)	15 lbs. (6.8 kg)
Includes	<ul style="list-style-type: none"> • Quick Release Water Valve • GFCI • Plastic Carrying Case 	<ul style="list-style-type: none"> • Quick Release Water Valve • GFCI • Plastic Carrying Case
Part#	158368	158365
Optional	Portable Drill Stand	Portable Drill Stand
Part#	159253	159253

Core bits not included.

CORING ACCESSORIES

Shaft Couplings



Shaft couplings permit positive thread-to-thread adaptation from machine to core bit.

Male	Female	Part#
5/8"-11	3/4"-16	304145
3/4"-16	5/8"-11	304146

Shaft Couplings



Shaft couplings permit positive thread-to-thread adaptation from machine to core bit.

Male	Female	Part#
1-1/4"-7	5/8"-11	304147
5/8"-11	1-1/4"-7	304148

12" Shaft Extensions



Male	Female	Part#
5/8"-11	5/8"-11	304149
1-1/4"-7	1-1/4"-7	304150

Water Swivels



5/8"-11 Female Shank Thread

Spindle Thread	Part#
1-1/4"-7	151416
5/8"-11	151096

Water Swivels



(a) (b) 1/2 Shank

Spindle Thread	Part#
(a) 5/8"-11	157643
(b) 3/4"-16	156515

Motor Spacer



Part#
155614

Portable Drill Stand for Hand-Held Drills



Portable drill stand for MK-2000P and MK-130/3 hand-held drills. Combination anchor/vacuum base. Adjustable column for angle drilling. 53mm reducer ring (part # 164995 - not included with stand) required to mount the MK-2000P to stand.

Drill Capacity	Motor Mount	L X W X H	Weight	Part#
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Small Anchor Base



Part#

Manta Vacuum Pumps



(a)



(b)

Oil-less operating 1/8 Hp vacuum pumps for Manta core rigs.

Description	Part#
(a) 120V with Handle & Iso-vibe Foot Pads	154741
(b) 120V for Manta III Combination Drill Stands	158530

Manta Control Box



Box Type	Part#
Dual Switch 120V	158428

Milwaukee Core Drill Motors



Motor	Milwaukee 4004	Milwaukee 4090	Milwaukee 4094	Milwaukee 4096	Milwaukee 4097-20
Volts / Amps	120V / 20A	120V / 15A	120V / 20A	120V / 20A	120V / 15A
Clutch	Slip Clutch	Shear Pin	Shear Pin	Slip Clutch	Slip Clutch
Motor RPM	300/600	375/750	450/900	450/950	500/1,000
Spindle	1-1/4"-7	1-1/4"-7	1-1/4"-7	1-1/4"-7	1-1/4"-7
Horsepower	1 Hp	1 Hp	1 Hp	1 Hp	1 Hp
Part#	159263	155976	154633	155540	159264

Core Bit Extensions

MK Diamond's Core Bit Extensions offer a quick, easy and low cost way to achieve greater drilling depths with core bits. The 12" tube extensions thread into our standard or professional core bits. Multiple tube extensions may be used extending the drilling depth in increments of 12".



Diameter	Length	Wall Thickness	Part #
1-1/4" (32 mm)	12"	2.0 mm	168451
1-3/8" (35 mm)	12"	2.0 mm	168450
1-1/2" (38 mm)	12"	2.0 mm	168452
1-3/4" (44 mm)	12"	2.0 mm	168453
2" (51 mm)	12"	2.0 mm	168454
2-1/4" (57 mm)	12"	2.0 mm	168455
2-1/2" (64 mm)	12"	2.0 mm	168456
3" (76 mm)	12"	2.0 mm	168457
3-1/4" (83 mm)	12"	2.2 mm	168458
3-1/2" (89 mm)	12"	2.2 mm	168459
4" (102 mm)	12"	2.5 mm	168460
4-1/4" (108 mm)	12"	2.5 mm	168461
4-1/2" (114 mm)	12"	2.5 mm	168462
5" (127 mm)	12"	2.5 mm	168463
6" (152 mm)	12"	2.7 mm	168464
6-1/4" (159 mm)	12"	2.7 mm	168465

Additional diameters are available upon request.

CONCRETE & ASPHALT (WET)

MK-Black is a supreme core bit engineered for exceptional footage and fast/aggressive drilling characteristics. Excellent performance in applications associated with moderate to high steel reinforcement.

MK-Black Supreme Core Bits



LASER WELDED



Removable nut for barrel extensions

Diameter	Thread	Part #
1/2" (13 mm)	5/8"-11	156373
5/8" (16 mm)	5/8"-11	157176
3/4" (19 mm)	5/8"-11	156374
7/8" (22 mm)	5/8"-11	156375
1" (25 mm)	5/8"-11	156376
1-1/8" (29 mm)	5/8"-11	157177
1-1/4" (32 mm)	5/8"-11	156377
1-3/8" (35 mm)	5/8"-11	156534
1-1/2" (38 mm)	5/8"-11	156378
1-5/8" (41 mm)	5/8"-11	157178
1-3/4" (44 mm)	1-1/4"-7	156379
2" (51 mm)	1-1/4"-7	156380
2-1/4" (57 mm)	1-1/4"-7	156381
2-1/2" (64 mm)	1-1/4"-7	156382
2-3/4" (70 mm)	1-1/4"-7	156383
3" (76 mm)	1-1/4"-7	156384
3-1/4" (83 mm)	1-1/4"-7	156385
3-1/2" (89 mm)	1-1/4"-7	156386
4" (102 mm)	1-1/4"-7	156387
4-1/4" (108 mm)	1-1/4"-7	156388
4-1/2" (114 mm)	1-1/4"-7	156389
5" (127 mm)	1-1/4"-7	156390
5-1/2" (140 mm)	1-1/4"-7	157628
6" (152 mm)	1-1/4"-7	156391
6-1/4" (159 mm)	1-1/4"-7	156392
6-1/2" (165 mm)	1-1/4"-7	156393
7" (178 mm)	1-1/4"-7	156394
8" (203 mm)	1-1/4"-7	156396
9" (229 mm)	1-1/4"-7	156397
10" (254 mm)	1-1/4"-7	156398
12" (305 mm)	1-1/4"-7	156399
14" (356 mm)	1-1/4"-7	156400
16" (406 mm)	1-1/4"-7	170051

MK-Black Supreme Turbo Core Bits



LASER WELDED



Removable nut for barrel extensions

Diameter	Thread	Part #
2" (51 mm)	1-1/4"-7	158711
2-1/4" (57 mm)	1-1/4"-7	158712
2-1/2" (64 mm)	1-1/4"-7	158713
3" (76 mm)	1-1/4"-7	158714
3-1/2" (89 mm)	1-1/4"-7	158715
4" (102 mm)	1-1/4"-7	158716
4-1/2" (114 mm)	1-1/4"-7	158717
5" (127 mm)	1-1/4"-7	158718
6" (152 mm)	1-1/4"-7	158719



Segment Height: 10 mm
 Drilling Depth: 14" (356 mm)
 Additional diameter and special length core bits are available upon request.

TILE
STONE
LAPIDARY
MASONRY
CONCRETE
MIXERS
CORING
FLOOR PREP
METAL
TROUBLESHOOTING
POLICIES

MK-Orange is a premium bit designed for wet drilling applications that include light to moderate steel reinforcement. The high diamond concentration ensures excellent footage and cutting speed.



**LASER
WELDED**



Removable nut for
barrel extensions

MK-Orange Premium Core Bits

Diameter	Thread	Part #
1" (25 mm)	5/8"-11	156348
1-1/8" (29 mm)	5/8"-11	204011
1-1/4" (32 mm)	5/8"-11	156349
1-1/2" (38 mm)	5/8"-11	156350
1-3/4" (44 mm)	1-1/4"-7	156351
2" (51 mm)	1-1/4"-7	156352
2-1/4" (57 mm)	1-1/4"-7	156353
2-1/2" (64 mm)	1-1/4"-7	156354
2-3/4" (70 mm)	1-1/4"-7	156355
3" (76 mm)	1-1/4"-7	156356
3-1/4" (83 mm)	1-1/4"-7	156357
3-1/2" (89 mm)	1-1/4"-7	156358
4" (102 mm)	1-1/4"-7	156359
4-1/4" (108 mm)	1-1/4"-7	156360
4-1/2" (114 mm)	1-1/4"-7	156361
5" (127 mm)	1-1/4"-7	156362
5-1/2" (140 mm)	1-1/4"-7	157627
6" (152 mm)	1-1/4"-7	156363
6-1/4" (159 mm)	1-1/4"-7	156364
6-1/2" (165 mm)	1-1/4"-7	156365
7" (178 mm)	1-1/4"-7	156366
8" (203 mm)	1-1/4"-7	156368
9" (229 mm)	1-1/4"-7	156369
10" (254 mm)	1-1/4"-7	156370
12" (305 mm)	1-1/4"-7	156371
14" (356 mm)	1-1/4"-7	156372
16" (406 mm)	1-1/4"-7	170052



Segment Height: 7.5 mm
Drilling Depth: 14" (356 mm)
Additional diameter and special length core bits are available upon request.

MK-Yellow is our standard core bit, and is an excellent choice for all types of general wet drilling. The MK-Yellow delivers fast drilling and good footage.



**LASER
WELDED**



Removable nut for
barrel extensions

MK-Yellow Standard Core Bits

Diameter	Thread	Part #
1" (25 mm)	5/8"-11	156320
1-1/8" (29 mm)	5/8"-11	104011
1-1/4" (32 mm)	5/8"-11	156321
1-3/8" (35 mm)	5/8"-11	156965
1-1/2" (38 mm)	5/8"-11	156322
1-3/4" (44 mm)	1-1/4"-7	156323
2" (51 mm)	1-1/4"-7	156324
2-1/4" (57 mm)	1-1/4"-7	156325
2-1/2" (64 mm)	1-1/4"-7	156326
2-3/4" (70 mm)	1-1/4"-7	156327
3" (76 mm)	1-1/4"-7	156328
3-1/4" (83 mm)	1-1/4"-7	156329
3-1/2" (89 mm)	1-1/4"-7	156330
4" (102 mm)	1-1/4"-7	156331
4-1/4" (108 mm)	1-1/4"-7	156332
4-1/2" (114 mm)	1-1/4"-7	156333
5" (127 mm)	1-1/4"-7	156334
6" (152 mm)	1-1/4"-7	156335
6-1/4" (159 mm)	1-1/4"-7	156336
6-1/2" (165 mm)	1-1/4"-7	156337
7" (178 mm)	1-1/4"-7	156338
8" (203 mm)	1-1/4"-7	156340
9" (229 mm)	1-1/4"-7	156341
10" (254 mm)	1-1/4"-7	156342
12" (305 mm)	1-1/4"-7	156343
14" (356 mm)	1-1/4"-7	156344



Segment Height: 7.5 mm
Drilling Depth: 14" (356 mm)
Additional diameter and special length core bits are available upon request.

**HARD AGGREGATE
WITH HEAVY STEEL (WET)**



Removable nut for barrel extensions

MK Turbo Bits are designed with a high diamond concentration and turbo segment that provides superior performance in heavy steel applications. The turbo segment design allows for better channeling of slurry and reduces vibration while drilling in concrete with steel. Available in both "Professional" and "Supreme" quality.

MK-Blue Professional Turbo Core Bits

Diameter	Thread	Part #
2" (51 mm)	1-1/4"-7	156570
2-1/2" (64 mm)	1-1/4"-7	156571
3" (76 mm)	1-1/4"-7	156572
3-1/2" (89 mm)	1-1/4"-7	156573
4" (102 mm)	1-1/4"-7	156574
4-1/2" (114 mm)	1-1/4"-7	156575
5" (127 mm)	1-1/4"-7	156576
6" (152 mm)	1-1/4"-7	156577



Segment Height: 10 mm
Drilling Depth: 14" (356 mm)
Additional diameter and special length core bits are available upon request.

**PRESTRESSED &
PRECAST CONCRETE (WET)**



**LASER
WELDED**

MK-Crown is a professional core bit for prestressed and precast concrete.

MK-Crown Professional Core Bits

Diameter	Thread	Part #
1/2" (13 mm)	5/8"-11	157009
1" (25 mm)	5/8"-11	157010
1-1/2" (38 mm)	5/8"-11	157011
2" (51 mm)	1-1/4"-7	157793
2-1/2" (64 mm)	1-1/4"-7	157794
2-3/4" (70 mm)	1-1/4"-7	160305
3" (76 mm)	1-1/4"-7	157795
3-1/2" (89 mm)	1-1/4"-7	157796
4" (102 mm)	1-1/4"-7	157797
4-1/2" (114 mm)	1-1/4"-7	157798
5" (127 mm)	1-1/4"-7	157799
6" (152 mm)	1-1/4"-7	157800



Segment Height: 7.5 mm
Drilling Depth: 14" (356 mm)
Additional diameter and special length core bits are available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



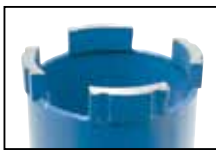
Zenesis™ Supreme Core Bits

Diameter	Thread	Part #
2" (51 mm)	1-1/4"-7	168670
2-1/2" (64 mm)	1-1/4"-7	168671
3" (76 mm)	1-1/4"-7	168672
3-1/2" (89 mm)	1-1/4"-7	168673
4" (102 mm)	1-1/4"-7	168674
4-1/2" (114 mm)	1-1/4"-7	168676
5" (127 mm)	1-1/4"-7	168677
6" (152 mm)	1-1/4"-7	168678
6-1/4" (158 mm)	1-1/4"-7	168679
6-1/2" (165 mm)	1-1/4"-7	168680
7" (178 mm)	1-1/4"-7	168681
8" (203 mm)	1-1/4"-7	168682
9" (229 mm)	1-1/4"-7	168683
10" (254 mm)	1-1/4"-7	168684
12" (305 mm)	1-1/4"-7	168685
14" (356 mm)	1-1/4"-7	168686



Segment Height: 10 mm
 Drilling Depth: 14" (356 mm)
 Additional diameter and special length core bits are available upon request.

MK-DRY MK Diamond Dry Core Bits have been specifically designed to tackle a variety of drilling operations on soft brick and concrete block. These bits feature laser-welded technology and inventive bar-slot cooling to promote efficiency, reliability and safety. MK Dry-Cutting Bits are 10" in length, come with standard 5/8"-11 threaded nuts and easily attach to most handheld drills.



**LASER
WELDED**

MK-Dry Standard Core Bits

Diameter	Min Amps	Max/Min RPM	Part#
1" (25 mm)	6	6000/2300	155937
1-1/4" (32 mm)	6	6000/2300	155938
1-1/2" (38 mm)	6	6000/2300	155939
1-3/4" (44 mm)	7	5000/1600	156316
2" (51 mm)	7	5000/1200	155940
2-1/4" (57 mm)	7	5000/1200	155941
2-1/2" (64 mm)	7	5000/800	155942
3" (76 mm)	10	5000/800	155943
3-1/2" (83 mm)	10	5000/700	155944
4" (102 mm)	10	5000/700	155945
4-1/2" (114 mm)	10	5000/700	155946
5" (127 mm)	10	5000/700	155947
6" (152 mm)	10	2500/600	155948



Segment Height: 7.5 mm
 Drilling Depth: 9-1/4" (235 mm)
 Additional diameter and special length core bits are available upon request.



**LASER
WELDED**

MK-Dry Premium Core Bits

Diameter	Min Amps	Max/Min RPM	Part#
1" (25 mm)	6	6000/2300	158661
1-1/4" (32 mm)	6	6000/2300	158662
1-1/2" (38 mm)	6	6000/2300	158663
1-3/4" (44 mm)	7	5000/1600	158664
2" (51 mm)	7	5000/1200	158665
2-1/4" (57 mm)	7	5000/1200	158666
2-1/2" (64 mm)	7	5000/800	158667
3" (76 mm)	10	5000/800	158668
3-1/2" (83 mm)	10	5000/700	158669
4" (102 mm)	10	5000/700	158670
4-1/2" (114 mm)	10	5000/700	158671
5" (127 mm)	10	5000/700	158672
6" (152 mm)	10	2500/600	158710



Segment Height: 7.5 mm
 Drilling Depth: 9-1/4" (235 mm)
 Additional diameter and special length core bits are available upon request.

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



Floor Prep



MK Diamond Products manufactures a complete line of equipment for floor and surface preparation which are designed for cleaning, flattening and smoothing concrete surfaces, leveling out high spots and curled joints, coating removal, or polishing concrete and natural stone. A wide variety of grinding heads and cup wheels are included for every situation.



SDG-7 7" Grinder

Perfect for small jobs, the SDG-7 is designed to grind concrete to a smooth finish and provide dust control. Utilizing diamond cup wheels, contractors can use the SDG-7 for grinding, cleaning, and leveling concrete, masonry, and mortar. Other applications include removal of thick coatings like epoxies and urethanes, adhesives, thin set mortar, rubber, floor coverings and waterproofing materials.

Disc RPM	3,500	
Disc Capacity	7" (178 mm)	
L x W x H (inches)	34.6" x 17.5" x 32"	
L x W x H (mm)	879 x 445 x 813	
Power	115V, 15 AMP	
Weight	44 lbs. (20 kg)	
Includes	<ul style="list-style-type: none"> • Vacuum Shroud • Vacuum Connection Port • 7" Cup Wheel 	
Part#	166859	
Optional	IXL Hinged Shroud	ZEK Wheel Adapter
Part#	166964	169216



SDG-101

SDG-101/SDG-103 10" Single Disc Grinders

These 10" grinders are sturdy and reliable floor grinders that are easy to use. The unique shroud system easily adjusts to suit segment height and floor angle. They can attach to a vacuum system to eliminate dust when dry grinding. The shroud has a removable section to enable the operator to grind near the wall. They feature a water connection when wet grinding is preferred. The floor grinders have a foldable handle for easy transport and storage.

Disc Capacity	10" (254 mm)	
L x W x H (inches)	43" x 14" x 41"	
L x W x H (mm)	1,092 x 356 x 1,041	
Model	SDG-101	SDG-103
Motor	115V/230V 1-Phase	230V-400V 3-Phase
Power	1 Hp	3 Hp 208V/230V
Weight	120 lbs. (54 kg)	147 lbs. (67 kg)
Disc RPM	1725	1740
Part#	169156	169157
Optional	10" Grinding Heads	
Diameter	10" (254mm)	
Grade	Premium	
Mount	4 Bolt	
Segments	10	
Model	1010H	1010S
Part#	158181	151925



SDG-103



SDG-11

SDG-3

SDG-11/SDG-3 10" Single Disc Grinders

The heavy-duty SDG Single Disc Grinders are excellent for smoothing rough areas and other surface irregularities, feathering patches and cleaning industrial floors. Front tapered nose provides enhanced visibility. Removable handles and nose weight provide for easy transportation and storage. Water control valve is included for wet grinding. One-year limited warranty.

Disc RPM	980	
Disc Capacity	10" (254 mm)	
L x W x H (inches)	40" x 16" x 42"	
L x W x H (mm)	1,016 x 406 x 1,066	
Model	SDG-11	SDG-3
Engine/Motor	Honda (Gas)	Baldor (Electric)
Power	GXV340*	3 Hp 208V/230V
Weight	212 lbs. (96 kg)	212 lbs. (96 kg)
Part#	157377	161180

*Engine Power Information listed on page 157.
 Optional Grinding Heads listed on page 143.
 Optional Vacuums and Air Scrubbers available.



Pedal raises grinding discs off the ground for engine starting and idling.



Removable nose weight



MK-SDG grinding disc mount



DDG-11



DDG-5

DDG Series Double Disc Grinders

The MK DDG Dual Disc Grinder has been designed with two counter-rotating heads that prevent pulling. Ergonomically designed handles provide improved handling and comfort. Vacuum port allows for dust-free dry grinding. Water control valve is included for wet grinding. One-year limited warranty.

Disc RPM	550
Disc Capacity	10" (254 mm)
L x W x H (inches)	50" x 25" x 40"
L x W x H (mm)	1,270 x 635 x 1,016

Model	DDG-11	DDG-5
Engine/Motor	Honda (Gas)	Baldor (Electric)
Power	GXV340*	5 Hp, 230V 1PH
Weight	234 lbs. (106 kg)	272 lbs. (123 kg)
Part#	157012	158780

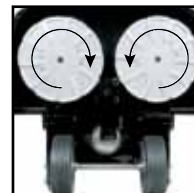
*Engine Power Information listed on page 157.
Optional Grinding Heads listed on page 143.
Optional Vacuums and Air Scrubbers available.



User friendly control panel



Two position wheel carriage



Counter rotating discs

MK-1010/MK-1020 SERIES of grinding heads are designed to give rough concrete surfaces the smoothest finish in the quickest time. Available in either 10 or 20 segment configurations. For use on MK SDG and DDG Series disc grinders. Hard bond is for grinding green concrete and asphalt. Soft bond is for grinding cured concrete.



MK-1010H Premium Hard Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	10	158181

Segment Height: 8 mm



MK-1010S Premium Soft Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	10	151925

Segment Height: 8 mm



MK-1010 Arrow Supreme Soft Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	10	167971

Segment Height: 8 mm



MK-1020H Premium Hard Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	20	158182

Segment Height: 8 mm



MK-1020S Premium Soft Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	20	151926

Segment Height: 8 mm

MK-1020 Turbo Supreme Hard Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	20	167939

Includes mounting bolts

MK-1020 Arrow Supreme Soft Bond Grinding Head

Diameter	Mount	Segments	Part#
10" (254 mm)	4 Bolt	20	168446

Segment Height: 8 mm
Includes mounting bolts

TILE

STONE

LAPIDARY

MASONRY

CONCRETE

MIXERS

CORING

FLOOR PREP

METAL

TROUBLESHOOTING

POLICIES



SG-9

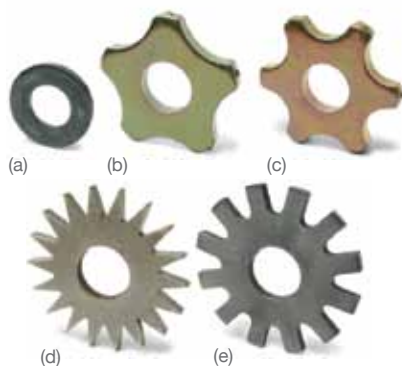
Scarifiers

MK Scarifiers have been designed to leave a clean, textured or rough finish on any type of concrete or asphalt surface. Drums available to provide cleaning, texturing, leveling, grooving and paint removal. The unique engage/disengage lever allows the operator to raise and lower the drum without losing the depth setting. Drums are interchangeable and provide for fast and easy changeover. One-year limited warranty.

Drum Dimensions (Dia. x L)	6" x 8" (152 x 203 mm)	
L x W x H (inches)	23" x 20" x 43"	
L x W x H (mm)	813 x 508 x 1,092	
Drum Weight	30 lbs. (14 kg)	
Weight	170 lbs. (77 kg) (not including drum)	
Model	SG-9	SG-5
Engine/Motor	Honda (Gas)	Baldor (Electric)
Power	GX270 Cyclone*	
Drum Configurations	Part#	Part#
5 Point Carbide Drum	158941	165276
6 Point Carbide Drum	158942	165277
18 Point Steel Sharp Tooth Drum	158943	165278
12 Point Steel Blunt Tooth Drum	158944	165279
Scarifier w/Blank Drum	158532	158533

*Engine Power Information listed on page 157.

Cutting Wheels and Parts



Description	Part#
(a) Steel Spacer	158575
(b) 5 Point Carbide 1-3/4" OD x 5/8" ID x 1/4" Five point cutter, maximum cutter shaft 1/2". Long lasting, fast milling of concrete, asphalt or coatings	158492
(c) 6 Point Carbide 1-3/4" OD x 5/8" ID x 1/4" Six point cutter, maximum cutter shaft 1/2". Long lasting, fast milling of concrete, asphalt or coatings	158493
(d) 18 Point Steel Sharp Tooth 2" OD x 5/8" ID x 5/32" 18 teeth, pointed. Lightly scarify, clean surfaces, remove traffic lines or remove coatings	158494
(e) 12 Point Steel Blunt Tooth 2" OD x 5/8" ID x 3/16" 12 teeth cutter, flat tip. General purpose removal of concrete or asphalt	158495
Hardened Steel Shaft	158463

Depending on cutting wheel style, production rate varies. Removal rate of 1/8" is between 350 and 500 square feet per hour.



5 Point Carbide



18 Point Steel Sharp Tooth

8" Scarifier Drums

Scarifier drums come in a variety of cutter combinations to provide different speeds, removal rates and profiles.

Description		Cutters	Part#
5 Point Carbide 1-3/4" OD x 5/8" ID x 1/4"	Five point cutter, maximum cutter shaft 1/2". Long lasting, fast milling of concrete, asphalt or coatings	84	158583
6 Point Carbide 1-3/4" OD x 5/8" ID x 1/4"	Six point cutter, maximum cutter shaft 1/2". Long lasting, fast milling of concrete, asphalt or coatings	84	158584
18 Point Steel Sharp Tooth 2" OD x 5/8" ID x 5/32"	18 teeth, pointed. Lightly scarify, clean surfaces, remove traffic lines or remove coatings	114	158585
12 Point Steel Blunt Tooth 2" OD x 5/8" ID x 3/16"	12 teeth cutter, flat tip. General purpose removal of concrete or asphalt	114	158586

Drum weight 30 lbs. (14 kg)

Surface Finish	Clean	Texture	Level	Groove	Remove
Cutting Wheel	18 Point Steel Sharp Tooth	12 Point Steel Blunt Tooth	5 or 6 Point Carbide	6 Point Carbide	6 Point Carbide



MK-VTS/50 Floor Scraper

The MK Diamond Floor Scraper is a compact stripper that is both durable and easy to use. The handle detaches for storage and transport in smaller vehicles. Its light weight provides for handling by a single person. Adjustable rear wheels make finding the ideal blade angle quick and simple. The MK-VTS/50 is suitable for small to medium sized residential and light commercial jobs. The MK-VTS/50 removes VCT tile, carpet, sheet vinyl, adhesives and coating.

Travel Speed	Manual	
Motor	1 Hp	
Voltage	115 V/230 V 60 Hz	
Amperage	12.8/6.4	
L x W x H (inches)	24 x 12 x 43 (20" w/o handle)	
L x W x H (mm)	610 x 305 x 1,092 (208 w/o handle)	
Weight	126 lbs.	
Part#	167676	
Optional	Blade 7-3/8" x 3"	Blade 10" x 3"
Part#	167796	167619

Blades sold separately in 5 packs only



The MK-IXL concrete grinder shroud has been engineered to control dust during concrete grinding operations. This shroud is designed to fit most popular 7" grinders and is engineered for use with 7" diameter cup wheels. When used with a vacuum, the shroud helps to reduce cleanup time, provide better visibility and increase productivity. This shroud is specifically designed for cleaning, leveling spots, removing epoxies, urethanes, paint and other coatings, smoothing out uneven surfaces on floors and cleaning glues and mastics after removal of floor coverings.



The IXL full shroud is designed for open areas.

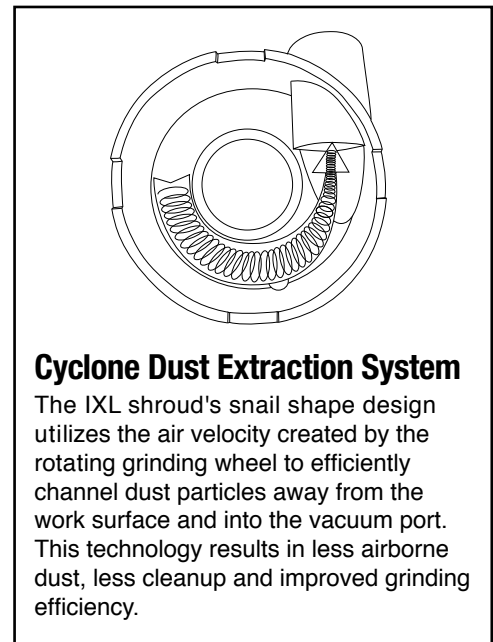


The IXL hinged shroud is designed for grinding against walls and edges.

MK-IXL 7" Vacuum Shroud

The MK-IXL shroud has been engineered to fit popular 7" grinders. It's perfect to control dust when grinding.

- Developed for heavy-duty use by contractors for grinding concrete, masonry, and mortar
- Uses Cyclone Dust Extraction technology to control dust
- Dust control reduces clean up time
- Made from an "abrasive resistant" plastic to prevent wear from the grinding process
- Reinforced steel ring in shroud assists in gliding over concrete and helps resist wear
- Attaches to many traditional shop vacuums or commercial vacuums
- Easy to install, no tools are required



Description	Part#
7" Full Vacuum Shroud - 5 pack	167129
7" Hinged Vacuum Shroud - 5 pack	167130
7" Full Vacuum Shroud - Single	166037
7" Hinged Vacuum Shroud - Single	166964

Each individual shroud includes shroud clamp, cup nut assembly, IXL shroud spacers (set of 5) and shroud instruction manual.



Sold in a Master Pack of 5 in a display tray.



MK-IXL Shroud is easy to install, no tools are required, and is designed to fit 7", 15 amp grinders - Milwaukee, Dewalt, Metabo, Hitachi, Makita, and Bosch.

VACUUM SHROUD KIT



7" Vacuum Shroud Kit Includes:

- MK-IXL shroud
- 7" single row cup wheel
- IXL shroud clamp
- IXL shroud spacers (set of 5)
- IXL shroud instruction manual
- Cup nut assembly (5/8" arbor to 5/8"-11 nut adapter)

Description	Part#
Full Vacuum Shroud Kit	167127
Hinged Vacuum Shroud Kit	167128
Optional Adapter	
7/8" Arbor to 5/8"-11 Nut	167149

5" VACUUM SHROUD

MK-IXL 5" Vacuum Shroud

The MK Diamond IXL 5" Vacuum Shroud is for concrete and surface grinding dust control. It has been designed to utilize the air velocity created by the rotating grinding wheel to efficiently channel dust particles away from the work surface. The shroud easily attaches to a vacuum or dust extractor resulting in a cleaner working environment and increasing visibility during grinding.

The MK-IXL 5" vacuum shroud is easy to install on popular grinders.

- Developed for grinding concrete, masonry and mortar
- Increases cup wheel life by removing abrasive dust
- Dust control reduces clean up time and provides better visibility for operator
- Designed for use when cleaning, leveling spots, removing epoxies, urethanes, paint and other coatings
- Fits popular 4"-5" hand grinders

Description	Part#
5 inch IXL Dust Shroud	170762



Fast and easy to install on hand grinders



Designed for 4" - 5" diamond cup wheels



**Fits these popular grinders:
Dewalt, Bosch, Metabo, Makita and Milwaukee.**



Easily attaches to vacuums or dust extractors

CUP WHEELS



The MK-304 Premium series diamond cup wheels are available in a single row wheel or double row wheel. MK Diamond cup wheels feature venting holes for fast, rough, dry or water-cooling grinding. They are ideal for rough surface preparation and de-burring of concrete surfaces. Use with angle grinders or floor grinding machines.

304CG-1 Single Row Premium Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	12	155444
5" (127 mm)	7/8"-5/8"	12	158068
7" (178 mm)	7/8"-5/8"	12	155446
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	12	155684
5" (127 mm)	5/8"-11	12	158376
7" (178 mm)	5/8"-11	12	155685

304SG-2 Double Row Premium Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	24	155445
5" (127 mm)	7/8"-5/8"	24	158069
7" (178 mm)	7/8"-5/8"	24	155447
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	24	155686
5" (127 mm)	5/8"-11	24	158375
7" (178 mm)	5/8"-11	24	155687



CUP WHEELS

MK Diamond Supreme segment cup wheels have been designed for quick de-burring and form mark removal. The turbo segmented design of the MK-504CG-1 and MK-504CG-2 are ideal for cleanup and finish work.

504CG-1 Single Row Supreme Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	8	158688
5" (127 mm)	7/8"-5/8"	8	158730
7" (178 mm)	7/8"-5/8"	12	158734
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	8	158687
4-1/2" (114 mm)	5/8"-11	8	158699
5" (127 mm)	5/8"-11	9	158729
7" (178 mm)	5/8"-11	12	158733



504SG-2 Double Row Supreme Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	14	158690
5" (127 mm)	7/8"-5/8"	16	158732
7" (178 mm)	7/8"-5/8"	24	158736
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	14	158689
4-1/2" (114 mm)	5/8"-11	14	158700
5" (127 mm)	5/8"-11	16	158731
7" (178 mm)	5/8"-11	24	158735



MK-604CG-1 and MK-604SG-2 Polycrystalline diamond cup wheels have been designed for the quick removal of epoxy and paint. The polycrystalline diamonds provide a smooth finish to any concrete surface and work five times faster than segmented diamond cup wheels.



604CG-1 Single Row Standard Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	6	162787
4-1/2" (114 mm)	7/8"-5/8"	6	162788
7" (178 mm)	7/8"-5/8"	12	162789
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	6	164608
4-1/2" (114 mm)	5/8"-11	6	164609
7" (178 mm)	5/8"-11	12	164610



604SG-2 Double Row Supreme Cup Wheels

Diameter	Arbor	Segments	Part#
4" (102 mm)	7/8"-5/8"	9	162790
4-1/2" (114 mm)	7/8"-5/8"	9	162791
7" (178 mm)	7/8"-5/8"	18	162792
Diameter	Nut	Segments	Part#
4" (102 mm)	5/8"-11	9	164611
4-1/2" (114 mm)	5/8"-11	9	164612
7" (178 mm)	5/8"-11	18	164613



704SG-2 Bi-Turbo Cup Wheels

MK-704SG Bi-Turbo Diamond Cup Wheels are designed for high efficiency surface grinding and cleaning of concrete. Bi-Turbo cup wheels utilize a unique large format turbo segment design that maximizes diamond surface contact with the work surface resulting in fast and very aggressive material removal. The large air hole design improves cooling and dust evacuation.

Diameter	Arbor	Segments	Part#
7" (178 mm)	7/8"-5/8"	18	167115
Diameter	Nut	Segments	Part#
7" (178 mm)	5/8"-11	18	167114



T-Segment Cup Wheels

The MK- "T" segment diamond cup wheels are used for cleaning, thin coating removal, edging and concrete leveling. The unique "T" segment configuration puts more diamond surface area to work resulting in fast and very aggressive material removal reducing swirl marks.

Diameter	Arbor	Part#
4" (102 mm)	7/8"-5/8"	166376
4-1/2" (114 mm)	7/8"-5/8"	166381
5" (127 mm)	7/8"-5/8"	166378
Diameter	Nut	Part#
4" (102 mm)	5/8"-11	166377
4-1/2" (114 mm)	5/8"-11	166382
5" (127 mm)	5/8"-11	166379
7" (178 mm)	5/8"-11	166380



Arrow Cup Wheels

The Arrow Cup Wheel is designed for floor preparation work prior to the polishing process. It is designed for grinding thick coatings, epoxy, urethane, and other membrane materials. The arrow shaped segment allows for scraping and grinding at the same time. The Arrow Cup Wheel features venting holes to dissipate heat for extended wheel life. These diamond cup wheels provide fast production rates and long life and can be used for wet or dry grinding.

Diameter	Arbor	Segments	Part #
4" (102 mm)	7/8"	5	168605
4-1/2" (114 mm)	7/8"	6	168606
5" (127 mm)	7/8"	6	168607
7" (178 mm)	7/8"	10	168608
Diameter	Nut	Segments	Part #
7" (178 mm)	5/8"-11	10	168609



MK-404SW Cup Wheels

Fine Grit Turbo Cup Wheel for Concrete.

Diameter	Arbor	Part#
10" (254 mm)	1"	154717

Metal



MK Diamond Products offers DiamondX Tools for demanding metal-working applications like cutting, grinding, weld joint removal, and surface prep work. DiamondX is made with diamonds, the hardest natural material known to mankind. It is manufactured by a unique brazing technology that allows a high concentration of diamonds to be chemically and mechanically bonded to a steel surface. The resulting tool life is far greater than standard abrasives. DiamondX can cut and grind an extremely wide range of materials. DiamondX delivers cost efficiency with longer tool life with less downtime changing worn abrasives discs, reduced sparks, less debris and no odor and no reduction in tool size or shape.

DEPRESSED CENTER GRINDING DISCS



Diameter	Arbor	24 Grit Part#	50 Grit Part#
4" (102 mm)	5/8"	168837-DX	170616-DX
4-1/2" (114 mm)	5/8" - 11 HUB*	168838-DX	170617-DX
5" (127 mm)	5/8" - 11 HUB*	168839-DX	170618-DX
6" (152 mm)	5/8" - 11 HUB*	168840-DX	170619-DX
7" (178 mm)	5/8" - 11 HUB*	168841-DX	170620-DX
9" (229 mm)	5/8" - 11 HUB*	168842-DX	170621-DX

*7/8" arbor available upon request



Application: Weld Removal, Pipe Beveling and Stock Removal of all Ferrous and non-Ferrous Metals including Mild Steel, Stainless Steel, Alloy Steels, Ductile Materials, Hard-Face Metal Alloys, and Ceramic

CUTTING AND GRINDING DISCS (FLAT)



Diameter	Width	Arbor*	Part #
4" (102 mm)	.140	5/8"	168843-DX
4-1/2" (114 mm)	.140	7/8"	168844-DX
5" (127 mm)	.140	7/8"	168845-DX
6" (152 mm)	.140	7/8"	168846-DX
7" (178 mm)	.140	7/8"	168847-DX
9" (229 mm)	.140	7/8"	168848-DX

36 Grit *5/8 - 11" arbor available upon request



Application: Foundry-Gate / Riser Removal, Cutting Forging, Steel Metal, Pipe, Sectional Tubing, Metal Plate, Shipbuilding, Steel Bar, Ductile Iron, Hard Face Metal Alloys, and Ceramic

CUT - OFF WHEELS FOR RAIL



Diameter	Width	Arbor	Rail Blade Part #	Silent Core Part #
16" (406 mm)	.155	20mm, 1"	168761-DX	170630-DX
18" (452 mm)	.170	1"	168855-DX	170631-DX
20" (508 mm)	.170	1"	168856-DX	170632-DX

30 Grit

Application: Foundry-Gate / Riser Removal, Cutting Forging, Steel Metal, Pipe, Metal Plate, Round & Sectional Tubing, Steel Bar, Angle Iron, Cast Iron, Ductile Iron, Metal Studs, Carbon / Mild Steel, and Ceramic

GRINDING DISCS FOR HARD FACING (FLAT)



Diameter	Width	Arbor	Part #
4" (102 mm)	.250	5/8"	168849-DX
4-1/2" (114 mm)	.250	5/8" - 11 HUB*	168850-DX
5" (127 mm)	.250	5/8" - 11 HUB*	168851-DX
6" (152 mm)	.250	5/8" - 11 HUB*	168852-DX
7" (178 mm)	.250	5/8" - 11 HUB*	168853-DX
9" (229 mm)	.250	5/8" - 11 HUB*	168854-DX

24 Grit *7/8" arbor available upon request



Application: Weld Removal, Pipe Beveling and Stock Removal of all Ferrous and non-Ferrous Metals including Mild Steel, Stainless Steel, Alloy Steels, Ductile Materials, Hard-Face Metal Alloys, and Ceramic

BLADE WILL NOT CUT

Blade is too hard for material being cut.

Use a softer bonded blade. Select proper blade specification for material being cut.

Blade has become dull as a result of being used on too hard a material.

Improper blade specification; blade is too hard for the material being cut. Use a softer bonded blade to reduce operating stresses.

“Dull” Blade.

“Open” blade by dressing segment on abrasive block.



UNEVEN SEGMENT WEAR

Insufficient water (usually on one side of blade).

Flush out water system and check flow and distribution to both sides of blade.

Equipment defects cause the segments to wear unevenly.

Replace bad bearings, worn arbor shaft or misalignment to spindle. Concrete saws, engine must run smoothly to prevent harmonic vibration.

Saw is misaligned.

Check saw head alignment for squareness both vertically and horizontally.

SHORT BLADE LIFE

Blade bond or matrix is too soft.

Use a harder matrix blade.

Overheating due to lack of water.

Check water feed lines and make sure flow is adequate on both sides of blade.



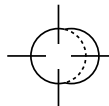
UNDERCUTTING THE STEEL CENTER

Abrasion of steel center due to highly abrasive fines generated during cutting.

Use as much water as possible to flush out fines generated during cutting, or use wear-retardant cores.

Cutting through material into sub-base.

Wear-retardant cores are not always the ultimate solution to eliminating undercutting. Your best defense is to always provide an adequate water flow to the steel center area immediately adjacent to the segment. This is especially important when making deep cuts.



ARBOR HOLE OUT-OF-ROUND

Blade collar is not properly tightened, permitting blade rotation or vibration on the shaft.

Tighten the shaft nut with a wrench to make certain that the blade is adequately secured.

Blade collars are worn or dirty, not allowing proper blade clamping.

Clean blade collars, making sure they are not worn.

Blade is not properly mounted.

Make certain the blade is mounted on the proper shaft diameter before tightening shaft nut. Ensure the pin hole slides over drive pin. Make sure that drive pin is in pin hole.

Loose Belt on saw.

Tighten belts. Check to see if arbor on saw is running true.

LOSS OF TENSION

Steel center has been overheating as a result of blade spinning on arbor.

Check water flow, distribution and lines. Tighten the blade shaft nut. Make certain the drive pin is functioning (on concrete saws).

Steel center has been overheating from rubbing the side of material being cut.

Make certain blade RPM is correct so the blade operates at its tensioned speed. Tune engine according to manufacturers' manual.

Unequal pressure at blade clamping collars.

Blade clamping collars must be identical in diameter and the recommended size.

BLADE WORN OUT OF ROUND

Shaft bearings are worn (masonry and concrete).

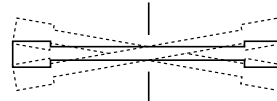
Install new blade shaft bearings or blade shaft, as required.

Engine is not properly tuned on concrete saws, causing surges in blade rotation.

Tune engine according to manufacturers' manual.

Blade arbor hole is damaged from previous incorrect mounting.

Replace worn shaft or mounting arbor bushing. Bond is too hard for material, causing a “rounding” and wearing one half of the blade more than the other. Make certain that drive pin is functioning. Use proper blade specification.



BLADE WOBBLER

Blade runs at improper speed.

Check for bad bearings, bent shaft, or worn mounting arbor. Speed of the saw is either too fast or too slow for the size of the blade: RPM of the saw should be verified to the specific speeds established by the ANSI Standards for minimum and Maximum blade speeds; make certain that blade shaft is running at recommended RPM to match tensioned speed of blade. Should the blade continue to wobble after verification of the saw RPM, then the blade should be returned to the manufacturer to be retensioned and flattened.

Blade collar diameters are not identical.

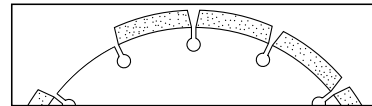
Check blade collar discs to make sure they are clean, flat and of correct diameter.

Blade is bent as a result of dropping or being twisted in the cut during operation.

Blade should be returned to the manufacturer to be retensioned and flattened.

Loss of blade tension.

(See loss of tension)



SEGMENT LOSS

Overheating due to lack of water.

Check water feed lines and make sure flow is adequate on both sides of blade.

Steel center is worn from undercutting.

Use sufficient water to flush out the cut.

Defective blade collars are causing blade misalignment.

Clean blade collars or replace if collars are under recommended diameter.

Blade is too hard for material being cut.

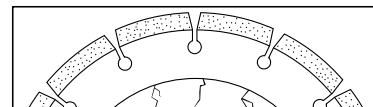
Use proper blade specification for material being cut.

Blade is cutting out of round, causing a pounding motion.

Replace worn bearings; realign blade shaft or replace worn blade mounting arbor.

Improper blade tension.

Ensure blade is running at correct RPM. Blade is tensioned for correct RPM. Tune engine according to manufacturers' manual.



CRACKS IN STEEL CENTER

Blade flutters in cut as a result of blade losing tension.

Tighten the blade shaft nut. Make sure blade is running at proper tensioned speed and that drive pin is functioning properly.

Blade specification is too hard for the material being cut.

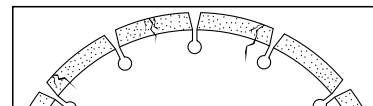
Use a softer blade bond to eliminate stresses that create cracks.

Bad blade shaft bearing.

Replace blade shaft bearing.

Overheating due to lack of water.

Check water feed lines and make sure flow is adequate on both sides of blade.



SEGMENT CRACKS

Blade is too hard for material being cut.

Use a blade with a softer bond.

Blade being “forced” through the cut causing chattering.

Run Saw at normal speed. “Open” blade by sharpening in abrasive material.

FACTORS THAT EFFECT PERFORMANCE

The following factors affect the performance of a concrete cutting blade or bit and should be considered when making your selection:

COMPRESSIVE STRENGTH

Concrete may vary greatly in compressive strength which is measured in POUNDS per SQUARE INCH (PSI). Most concrete roads are approximately 4-6,000 PSI, while typical patios and sidewalks are about 3,000 PSI.

Concrete Hardness	PSI	Application
Critically Hard	8,000+	Nuclear power plants
Hard	6-8,000	Bridge piers
Medium	4-6,000	Highways
Soft	3,000 or less	Sidewalks and patios

SIZE OF AGGREGATE

Larger aggregates tend to make a blade cut slower while smaller aggregates tend to allow a blade cut faster. The most common aggregate sizes are:

Size	
Pea Gravel	Usually less than 3/8" in diameter
3/4"	Sieved size
1-1/2"	Sieved size

TYPE OF SAND

Sand is the component of the mix which determines the abrasiveness of the concrete. Sand can either be "sharp" (abrasive) or "round" (non-abrasive). Crushed sand or bank sand are usually sharp; river sand is usually round.

HARDNESS OF AGGREGATE

There are many different types of rock used as aggregate. Generally, hard aggregate breaks down the cutting diamonds faster, which means the bond must be softer to expose new diamonds. Softer aggregate generally does not break down the cutting diamonds as quickly, requiring a harder bond to hold the diamonds in place and to be used to their full potential. The Moh's scale is used to measure the hardness of aggregate and has a range of 1-10. Most aggregates fall into the 2-9 range:

Moh's Range	Description	Aggregates
8-9	Critically hard	Flint, Chert, Trap Rock, Basalt
6-7	Hard	River Rock, Granites, Quartz, Trap Rock
4-5	Medium/Hard	Granites, River Rock
3-4	Medium	Limestone, Sand Stone, Dolomite, Marble
2-3	Soft	Soft Limestone

REINFORCING STEEL

Steel reinforcing tends to make a blade cut slower. Less reinforcing allows a blade to cut faster. Heavy rebar can also result from different grades of steel. Typical rebar is grade 40 but grade 60 is also common. Rebar gauges are in eighths of an inch. #4 is 1/2" diameter, #5 is 5/8" diameter etc.

Size	Examples
Light	Wire mesh, single mat.
Medium	#4 rebar, every 12" on center each way (OCEW), single mat, wire mesh, multi-mat
Heavy	#5 rebar, 12" OCEW, single mat, #4 rebar, 12" OCEW, double mat

GREEN OR CURED CONCRETE

The drying, or curing, of concrete greatly effects how the concrete will interact with a diamond blade. Green concrete is freshly poured concrete that has not yet cured. Green concrete is softer and more abrasive than cured concrete. A harder bond with undercut protection should be used until the concrete is cured, at which point a softer bond is appropriate. The definition of green concrete can vary widely. Water temperature, moisture in the aggregate, time of the year and the amount of water in the mix all influence the curing time. Concrete is generally considered "green" for 8 to 48 hours after it has set.

VARIABLES

VARIABLES	CHANGE	RESULTS		
		Cutting Speed	Blade Life	
The Blade	Segment Bond Hardness	Harder Softer	Slower Faster	Longer Shorter
	Diamond Quality	Lower Higher	Slower Faster	Longer Shorter
	Diamond Concentration	Lower Higher	Slower Faster	Longer Shorter
	Segment Width	Thicker Thinner	Slower Faster	Longer Shorter
The Saw	Horsepower	Lower Higher	Slower Faster	Longer Shorter
	Blade Speed	Higher Lower	Slower Faster	Longer Shorter
The Job	Water Volume	Higher Lower	Slower Faster	Longer Shorter
	Cutting Depth	Deep Shallow	Slower Faster	Longer Shorter
	Cutting Pressure	Lower Higher	Slower Faster	Longer Shorter
The Material	Material Hardness	Harder Softer	Slower Faster	Longer Shorter
	Material Abrasiveness	Less More	Slower Faster	Longer Shorter
	Aggregate Size	Larger Smaller	Slower Faster	Longer Shorter
	Steel Reinforcing	More Less	Slower Faster	Longer Shorter

The MK Diamond Products line is sold through authorized Distributors established on a market-oriented basis. Distributors are firms that have been selected by MK Diamond Products to represent MK Diamond Products' equipment and blades and who actively promote and sell MK Diamond Products' line or products. Distributors are responsible for stocking a sufficient quantity and assortment of equipment and blades to properly service their specific market. MK Diamond Products reserves the right to terminate a Distributor at any time.

TERMS OF SALE

All sales will be at prices, discounts and rebates in effect as established by MK Diamond Products. Any inconsistent provisions contained in any purchase order or release issued by a Distributor will not apply unless expressly accepted by MK Diamond Products in writing. All prices in U.S. dollars.

CREDIT POLICY

All accounts must furnish satisfactory credit references and financial information. Payment history will be considered in credit decisions regarding current Distributors. All discrepancies must be reported within 90 days of invoice date. No orders will be shipped to delinquent accounts.

DISTRIBUTOR FREIGHT POLICY

- **General Freight Policy** MK Diamond will prepay freight (ground shipment) for a single order of least \$1,250 value (comprised of either equipment and/or diamond blades and/or parts/accessories) to one location within the continental United States. All shipments must be made to the distributor's place of business. A fuel surcharge will apply to equipment only for shipments over \$1,250 receiving prepaid freight.

For all other equipment orders, freight is prepaid and added to the invoice.

- **Diamond Blades:** MK Diamond will prepay freight (a single ground parcel shipment only) for a single diamond blade order of at least \$500 value, to one location within the continental United States. All shipments must be made to the distributor's place of business.

For all other diamond blade orders, freight is prepaid and added to the invoice.

- **Parts, Accessories and Miscellaneous Items:** Freight is prepaid and added to the invoice.

- **Large Concrete Saws:** FOB factory for MK-3000, MK-4000 and MK-6000.

- **Canoga Mixers:** FOB factory for Canoga Products.

- **General Freight Terms:** Orders shipped to Hawaii, Alaska or outside the continental United States will be charged for all freight and handling fees. Charges for residential delivery, lift gate, signature required, etc. are extra, which are billed separately as a handling fee.

All risk, loss or damage shall be upon the Distributor after delivery to the carrier. We reserve the right to ship in the most economical way. Any claims for packing shortages must be made within 30 days. Claims for shipping damage or loss must be made with the carrier.

DROP SHIP FREIGHT POLICY

- **General Freight Policy:** MK Diamond will prepay freight (ground shipment) for a single order of least \$3,000 value (comprised of equipment, diamond blades and/or parts/accessories) to one location within the continental United States. There is a \$6.00 fee for package handling.

- **Equipment:** For an equipment order greater than \$1,250 and less than \$3,000, a nominal freight charge will be assigned. A nominal freight charge will be prepaid and added to the invoice, based on the model of equipment purchased. The equipment order may include diamond blades and/or parts/accessories to achieve the freight minimum.

- **Equipment:** For an equipment order less than \$1,250, freight will be prepaid and added to the invoice.

- **Diamond Blades:** MK Diamond will prepay freight (a single ground parcel shipment only) for a single diamond blade order of at least \$500 value, to one location within the continental United States. For all other diamond blade orders, freight is prepaid and added to the invoice.

- **Parts, Accessories and Miscellaneous Items:** Freight is prepaid and added to the invoice.

- **Large Concrete Saws:** FOB factory for MK-3000, MK-4000 and MK-6000.

- **Canoga Mixers:** FOB factory for Canoga Products.

- **General Freight Terms:** Orders shipped to Hawaii, Alaska or outside the continental United States will be charged for all freight and handling fees. LTL Shipments: Charges for LTL residential delivery, lift gate, signature required, etc. are extra, which are billed separately as a handling fee.

All risk, loss or damage shall be upon the Distributor after delivery to the carrier. We reserve the right to ship in the most economical way. Any claims for packing shortages must be made within 30 days. Claims for shipping damage or loss must be made with the carrier.

ORDERING INFORMATION

You may order MK Diamond products through your local MK Diamond distributor or, you may order direct from MK Diamond.

NOTE: There is a \$25.00 minimum order when ordering direct from MK Diamond. A \$6.00 charge will be added to orders having a net billing value under \$50.00. A nominal handling fee of \$5.00 may apply to some orders.

PARTS ORDERING

When ordering direct from MK Diamond, please have the following information ready before calling:

- The Model Number of the saw
- The Serial Number of the saw
- Where the saw was purchased and when
- The Part Number for the part(s) being ordered
- The Part Description for the part(s) being ordered

All parts may be ordered by calling toll free to – 800 421-5830 or 310 539-5221 and asking for Customer Service. For technical questions, call – 800 474-5594.

PAYMENT

Terms are Net 30 days. MK Diamond Products may offset any amounts owed by a Distributor to MK Diamond Products against amounts owed by MK Diamond Products to such Distributor. All accounts not paid in accordance with these terms will be assessed a service fee at the maximum amount permitted by law, not to exceed 1-1/2% per month. In addition, the Distributor shall be liable for all costs and deficiencies that may result from the repossession and or resale of products. Payment terms are governed by invoice date; not by the date of receipt of material or invoice.

PRICING REBATES AND SPECIFICATIONS

MK Diamond Products reserves the right to change the construction, specifications, prices, discounts, rebates, and terms of some of its products without obligation as to products previously shipped or sold. Refunds or rebates will not be made on Distributor's shelf stock due to price decreases.

RETURNED MERCHANDISE

To expedite the service relative to the return of a product, all requests must be in writing. Contact MK Diamond Customer Service at 800 421-5830 or 310 539-5221, to request a "Return Authorization Request Form." Items must have been purchased within the previous twelve (12) months.

You will need the following information to complete the form:

Model Number of the saw

Serial Number of the saw

Location of where the saw was purchased

Date the saw was purchased

Return the authorization form to MK Diamond Products. Allow three to five business days for a response, at which time a Return Goods Authorization (RGA) number will be issued for your return. Refer to the equipment owner's manual for packaging instructions. Ensure the RGA number is on the outside of the returned package. Ensure your item(s) are prepaid to the destination.

ACCEPTANCE OF ORDERS

All orders are subject to acceptance by MK Diamond Products and shall be binding on MK Diamond Products only upon written acceptance or by shipment.

CANCELLATIONS

Cancellation of unshipped or partially shipped orders will result in a charge back to the Distributor if the resulting order no longer meets the quantity and freight requirements at which the original order was discounted.

SPECIAL PRODUCTS

A Distributor may not quote price or delivery on any product not listed as “standard” in MK Diamond Products’ current catalog. All specifications of products other than “standard” shall be forwarded to MK Diamond Products. If orders for special products are accepted, they are not subject to cancellation.

MK Diamond Products is not responsible for any commitment or specifications not presented for approval.

GOVERNMENT BUSINESS

MK Diamond Products reserves the right to quote and sell direct on requirements for any government agency or the United States federal government.

O.E.M. BUSINESS

MK Diamond reserves the right to quote and sell direct to any firm using standard or special MK Diamond Products as an Original Equipment Manufacturer.

MK DIAMOND PRODUCTS RESERVES THE RIGHT TO CHANGE AND/OR MODIFY PRODUCTS, SPECIFICATIONS, PART NUMBERS AND PRICES WITHOUT NOTICE.

MK DIAMOND Limited Warranty

New equipment sold by MK Diamond Products is warranted to be free from manufacturing defects in normal service for a period of One (1) Year or as indicated by the product from date of purchase by the original consumer purchaser. Component manufacturers offer separate Warranty periods.

This Warranty shall not apply to any parts that have been subjected to misuse or improper service, that have been damaged in transit or handling, or that have been altered or repaired by unauthorized representatives. This Warranty does not cover defects caused by or resulting from misuse, abuse, neglect or damage caused by accident or the failure to provide reasonable maintenance. This Warranty is void if the product or any of its individual components is altered or modified by the purchaser or if the product is used in a manner or with a blade not recommended by MK Diamond Products.

Any claim arising under this Warranty must be submitted by the original purchaser within the Warranty period specified above, and shall include proof of purchase. During said Warranty period MK Diamond Products shall, at its option, either replace or repair, at no charge to the original purchaser, any parts or components that are found to be defective by MK Diamond Products. MK Diamond Products shall not be responsible or obligated to pay for freight or other transportation-related costs or expenses in connection with any defective products or components that are either returned to MK Diamond Products’ facility or any authorized repair station and/or replacement products or components that are shipped from MK Diamond Products pursuant to this Warranty. Parts and labor needed to maintain products, and the replacement of components due to normal wear and tear, are the purchaser’s responsibility and are not covered by this Warranty. All products or components replaced under Warranty become the property of the manufacturer. All replacement parts will be considered to be part of the original product and any Warranty on such parts will expire concurrently with this original Warranty.

MK Diamond Products will pay for parts and labor in connection with Warranty repairs conducted by MK Diamond Products or its authorized repair centers. Replacement parts, installed by anyone else will be provided without a charge for such replacement parts, but this Warranty will not apply to labor charges in connection therewith.

IN NO EVENT SHALL ANY LIABILITY UNDER THIS WARRANTY EXCEED THE REPLACEMENT COST OF ANY DEFECTIVE PRODUCT OR COMPONENT THEREOF, AND MK DIAMOND PRODUCTS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER DAMAGE OR LOSS NOT EXPRESSLY ASSUMED AS SET FORTH HEREIN. The foregoing constitutes an expressed Warranty on the terms set forth above and is the only Warranty of merchantability and/or fitness for a particular purpose or use being denied. This limited Warranty is expressly in lieu of all other Warranties, whether expressed or implied.

Specifics applicable to limited Warranty of diamond blades and core bits:

- **Laser Welded Blade and Bit Warranty** If the laser weld between the segment and the steel core or barrel fails during normal use, the blade or bit will be replaced free of charge.
- **Brazed Bladed and Bit Warranty** If the brazed bond between the segment and the core or barrel fails within the first .050 of segment wear, the blade or bit will be replaced free of charge.
- **Continuous Rim Blade Warranty** If the bond between the rim and the core fails during normal use, the blade will be replaced free of charge.

EXCLUSIONS

MK Diamond does not warrant the following components, which carry their own manufacturer's warranty for the indicated periods:

Gas Engine Manufacturers	Length of Manufacturer's Warranty
Briggs & Stratton/Vanguard	3 Years
Honda	3 Years
Kohler	2 Years
Kubota	2 Years or 2000 hours
Robin/Subaru	3 Years
Zenith/Hyundai	2 Years or 2000 hours

Transmission Manufacturer	Length of Manufacturer's Warranty
Eaton	3 Years

Electric Motor Manufacturers	Length of Manufacturer's Warranty
Baldor	1 Year
Leeson	1 Year
Milwaukee	5 Years

ENGINE POWER INFORMATION

Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. MK Diamond Products makes no claim, representation or Warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy or the engine power rating. Users are advised to consult the engine manufacturer's owners manual and website for specific information regarding the engine power rating.



*An American, family-owned
company since 1868*

*The MK Diamond
Family of Products*



CANOGA[®]



MK Diamond Products, Inc.

MK Diamond Products, Inc.

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