2019 CATALOG

MULTIQUIP

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Equipment Reference Icons For Diamond Tool Applications

The following common power tool icons have been provided to assist you as you navigate through the catalog. The icons can guide your applications by matching up the diamond blade or core bit with the power equipment being used.

Angle Grinders (4" - 9")
Arbors: 5/8" or 7/8" round, or 5/8"-11 threaded

Core Drills (Hand Held)
Mounting Shafts: Male 18mm, 5/8"-11 or 1 1/4"-7 threaded

Circular Saws (4" - 10")
Arbors: 5/8" round or diamond knock-out (worm drive)

Hand Held Cut Off Saw (Electric)
Arbors: 1" or 20mm round

Masonry Saws (14" - 24")
Electric and Gas
Arbors: 1" all blade sizes

Flat Saw (8 to 13 HP)
Arbors: 1" + Drive Pin Hole all blade sizes

Chop Saws (Electric)
Arbors: 1" or 20mm round

Hand Held Drills (3/8"- 1/2")
Chucks: 3/8" or 1/2"

Core Drills (Stand Mounted)
Mounting shaft: Male 1 1/4 - 7 threaded

Hand Held Cut Off Saw (Gas)
Arbors: 1" or 20mm round

Tile Saws (4" - 10")
Arbors: 5/8" round

Flat Saw (Green Concrete)
Arbors: 5/8" round

Flat Saw (16 to 25 HP)
Arbors: 1" + Drive Pin Hole all blade sizes

Flat Saw (25 to 60 HP)
Arbors: 1" + Drive Pin Hole all blade sizes

Floor Surface Grinder
3/4" with 4 holes 3/8"-24 threaded and 4 holes 25/64" countersunk

Diamond Tools — Reference Guide

Value/Performance Icons

These icons represent overall performance, grade and value for each diamond tool. As the number of diamond icons increase, the higher the diamond content, while tool life increases and overall usage costs decrease.

Economy

Economy Plus

Standard

Premium

Premium Plus

Supreme

Professional

Cooling Method Icons

Blade and bit cooling icons are placed next to the diamond tools to represent the required methods—either water and/or ambient air—to properly cool the diamond tool during operations.

Diamond Tools classified as **"DRY/WET"** may be cooled with water or use the circular airflow of operations to diminish the build-up of heat. When operating "DRY", it is best to use an intermittent cutting/drilling procedure to allow sufficient time for steel core barrel cooling.

Diamond Tools classified as **"WET"** must be used with water to reduce the extreme heat that builds up during operations. Water also reduces the dust signature and helps remove residue. Operating a WET product without water may cause diamond tool damage and create a safety hazard. A continuous flow of fresh water is critical to safe, effective operations.

Diamond Tools classified as **"DRY Cut"** are specifically engineered to operate with the circular airflow as the sole agent for cooling the core/barrel. Water may be used to help cool and control dust.

Diamond Tools classified as **"DRY Drill"** are specifically engineered to operate with the circular airflow as the sole agent for cooling the core bit barrel. Their optimum performance is generally characterized by not using water, but minimal water may be introduced to help cool and control dust during drilling operations.

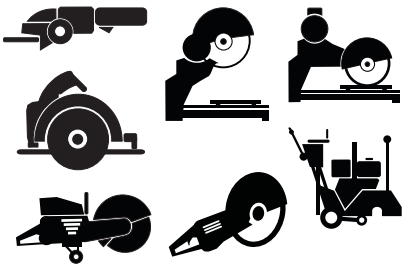
General Purpose Diamond Blades

GES — General Purpose — Economy

GES - Value priced blades for cured concrete and medium hard masonry materials
GESA - Value priced blades for asphalt and abrasive masonry materials

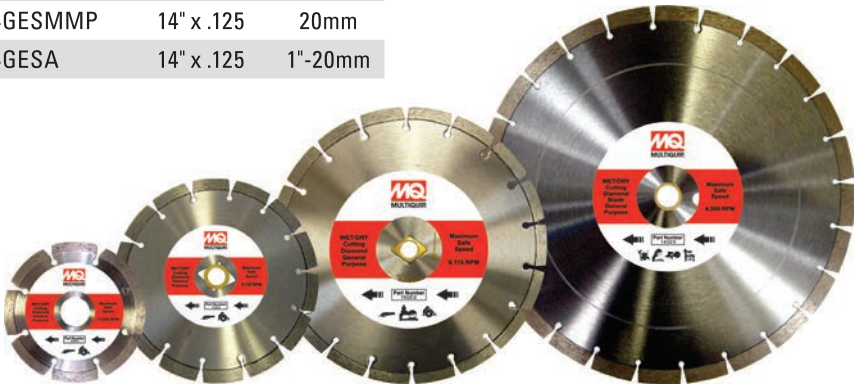
Model	Size	Arbor
4GES	4" x .080	5/8"-7/8"
4GESMP	4" x .080	5/8"-7/8"
45GES	4.5" x .080	5/8"-7/8"
45GESMP	4.5" x .080	5/8"-7/8"
5GES	5" x .080	5/8"-7/8"
6GES	6" x .095	5/8"-7/8"
7GES	7" x .090	5/8"-DK
7GESMP	7" x .090	5/8"-DK
10GES	10" x .100	5/8"-DK

Model	Size	Arbor
10GESMP	10" x .100	5/8"-DK
12GES	12" x .125	1"-20mm
12GESM	12" x .125	20mm
12GESMP	12" x .125	1"-20mm
12GESMMP	12" x .125	20mm
14GES	14" x .125	1"-20mm
14GESM	14" x .125	20mm
14GESMP	14" x .125	1"-20mm
14GESMMP	14" x .125	20mm
14GESA	14" x .125	1"-20mm



DRY/WET CUT

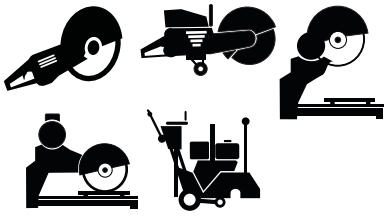
Segment Ht. 4" through 10" .390"/10mm
12" and 14" .550"/14mm
Note: The suffix MP indicates a Multi-Pack of 5 blades.



SEG — General Purpose — Economy Plus

Quality performance at low initial cost for cured concrete and medium hard masonry

Model	Size	Arbor	Note
12SEG	12" x .125	1"-20mm	Sintered Weld
12SEGL	12" x .110	1"-20mm	Laser Weld - 10mm seg. height
12SEGXL	12" x .125	1"-20mm	Laser Weld - 12mm seg. height
12SEGLMP	12" x .125	1"-20mm	Laser Weld - 10mm seg. height (5-pack)
14SEG	14" x .125	1"-20mm	Sintered Weld
14SEGL	14" x .125	1"-20mm	Laser Weld - 10mm seg. height
14SEGXL	14" x .125	1"-20mm	Laser Weld - 12mm seg. height
14SEGLMP	14" x .125	1"-20mm	Laser Weld - 10mm seg. height (5-pack)



DRY/WET CUT

Note: The suffix MP indicates a Multi-Pack of 5 blades.

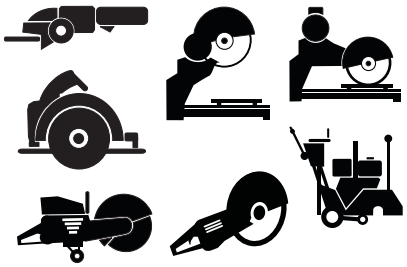
General Purpose Diamond Blades

GPS — General Purpose — Standard

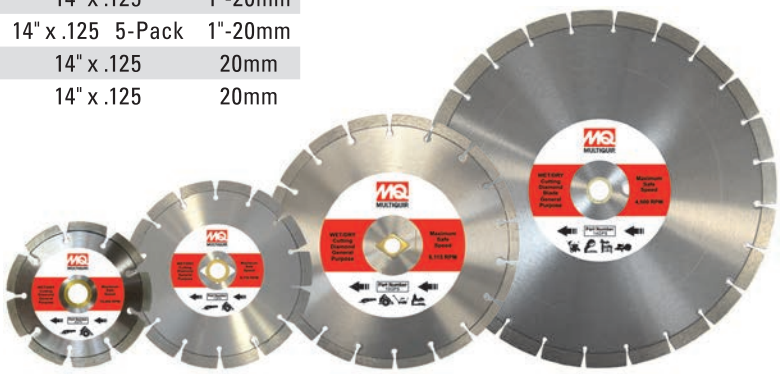
GPS — Quality performance at a low cost for cured concrete and medium hard masonry
GPSA — Quality performance at a low cost for asphalt, green concrete and concrete block

Model	Size	Arbor
4GPS	4" x .080	5/8"-7/8"
4GPSMP	4" x .080	5/8"-7/8"
45GPS	4.5" x .080	5/8"-7/8"
45GPSMP	4.5" x .080	5/8"-7/8"
5GPS	5" x .080	5/8"-7/8"
6GPS	6" x .080	5/8"-DK
7GPS	7" x .090	5/8"-DK
7GPSMP	7" x .090	5/8"-DK
8GPS	8" x .090	5/8"-DK
10GPS	10" x .100	5/8"-DK
10GPSMP	10" x .100	5/8"-DK
12GPS	12" x .125	1"-20mm
12GPSMP	12" x .125	1"-20mm
12GPSM	12" x .125	20mm

Model	Size	Arbor
12GPSMP	12" x .125	1"-20mm
12GPSA	12" x .125	1"-20mm
12GPSAMP	12" x .125 5-Pack	1"-20mm
12GPSAM	12" x .125	20mm
12GPSAMMP	12" x .125	20mm
14GPS	14" x .125	1"-20mm
14GPSMP	14" x .125	1"-20mm
14GPSM	14" x .125	20mm
14GPSMMP	14" x .125	20mm
14GPSA	14" x .125	1"-20mm
14GPSAMP	14" x .125 5-Pack	1"-20mm
14GPSAM	14" x .125	20mm
14GPSAMMP	14" x .125	20mm



DRY/WET CUT



Segment Ht. .390"/10mm
Note: The suffix MP indicates a Multi-Pack of 5 blades.

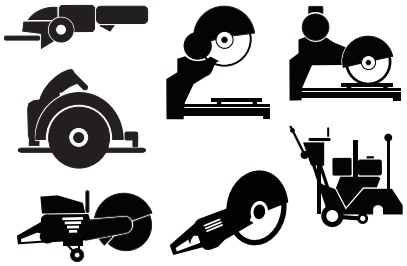
LASER WELDED
on all 12" and 14" blades

SBL — General Purpose — Premium

SBL — Excellent performance for cured concrete and medium hard masonry
SBLA — Excellent performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor
4SBL	4" x .080	5/8"-7/8"
45SBL	4.5" x .080	5/8"-7/8"
5SBL	5" x .080	5/8"-7/8"
6SBL	6" x .095	5/8"-DK
7SBL	7" x .095	5/8"-DK
8SBL	8" x .095	5/8"-DK
9SBL	9" x .095	5/8"-DK
10SBL	10" x .095	5/8"-DK
12SBL	12" x .125	1"-20mm
12SBLM	12" x .125	20mm
12SBLA	12" x .125	1"-20mm
12SBLAM	12" x .125	20mm
14SBL	14" x .125	1"-20mm

Model	Size	Arbor
14SBLM	14" x .125	20mm
14SBLA	14" x .125	1"-20mm
14SBLAM	14" x .125	20mm
16SBL	16" x .125	1"-20mm
16SBLM	16" x .125	20mm
16SBLA	16" x .125	1"-20mm
16SBLAM	16" x .125	20mm
18SBL	18" x .125	1"
18SBLA	18" x .125	1"
20SBL	20" x .125	1"
20SBLA	20" x .125	1"
24SBLA	24" x .140	1"
24SBL	24" x .140	1"



DRY/WET CUT

Segment Ht. 4" through 10" and 12SBLA/M and 14SBLA/M .390"/10mm
12SBL/M and 14SBL/M .470"/12mm

LASER WELDED
on all 12" to 24" blades

General Purpose Diamond Blades

PDHS1 — General Purpose — Premium Plus

PDHS1 — Superior performance for cured concrete and medium hard masonry
PDHS1A — Superior performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor
12PDHS1	12" x .125	1"-20mm
12PDHS1M	12" x .125	20mm
12PDHS1A	12" x .125	1"-20mm
12PDHS1AM	12" x .125	20mm
14PDHS1	14" x .125	1"-20mm
14PDHS1M	14" x .125	20mm
14PDHS1A	14" x .125	1"-20mm
14PDHS1AM	14" x .125	20mm
16PDHS1	16" x .125	1"-20mm
16PDHS1M	16" x .125	20mm
16PDHS1A	16" x .125	1"-20mm
16PDHS1AM	16" x .125	20mm
18PDHS1	18" x .125	1"
18PDHS1A	18" x .125	1"
20PDHS1	20" x .140	1"
20PDHS1A	20" x .125	1"
24PDHS1	24" x .155	1"
24PDHS1A	24" x .140	1"

LASER WELDED

DRY/WET CUT

PDHS2 — General Purpose — Supreme

PDHS2 — Outstanding performance for cured concrete and medium hard masonry
PDHS2A — Outstanding performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor
12PDHS2	12" x .125	1"-20mm
12PDHS2M	12" x .125	20mm
12PDHS2A	12" x .125	1"-20mm
12PDHS2AM	12" x .125	20mm
14PDHS2	14" x .125	1"-20mm
14PDHS2M	14" x .125	20mm
14PDHS2A	14" x .125	1"-20mm
14PDHS2AM	14" x .125	20mm
16PDHS2	16" x .125	1"-20mm
16PDHS2M	16" x .125	20mm
16PDHS2A	16" x .125	1"-20mm
16PDHS2AM	16" x .125	20mm
18PDHS2	18" x .125	1"
18PDHS2A	18" x .125	1"
20PDHS2	20" x .160	1"
20PDHS2A	20" x .160	1"

LASER WELDED

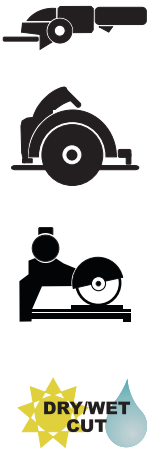
DRY/WET CUT

Special Fast Cutting "Sidewinder" Series

SDW — Fast Sawing — Hard Materials — Supreme

The unique diamond side-rim makes this series the "fastest" sawing performance available in a diamond blade

Model	Size	Arbor
4SDW	4" x .080	5/8" to 7/8"
5SDW	5" x .080	5/8" to 7/8"
6SDW	6" x .080	5/8" to 7/8"
7SDW	7" x 090	5/8"
8SDW	8" x .090	5/8"

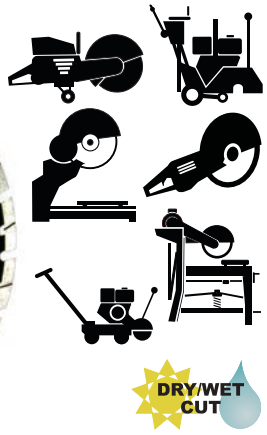


SW2 — Fast Sawing — Hard Materials — Supreme

The unique diamond side-rim makes this series the "fastest" sawing performance available in a diamond blade

Model	Size	Arbor
10SW2	10" x .100	5/8"
12SW2	12" x .125	1"
14SW2	14" x .125	1"

Segment Ht. .390" (10mm)

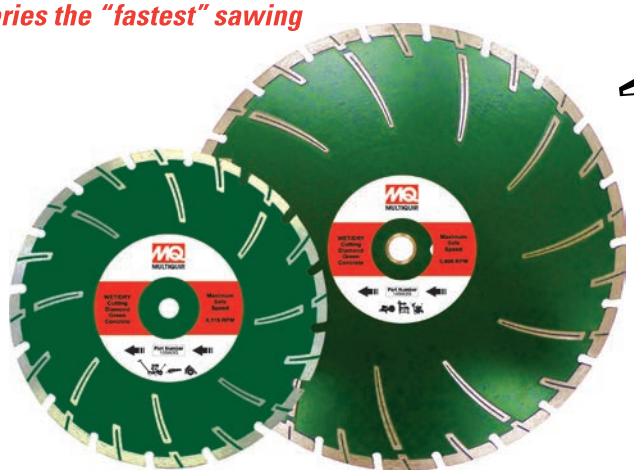


SW2G — Fast Sawing — Abrasive Materials — Supreme

The unique diamond side-rim makes this series the "fastest" sawing performance available in a diamond blade

Model	Size	Arbor
10SW2G	10" x .100	5/8"
12SW2G	12" x .125	1"
14SW2G	14" x .125	1"

Segment Ht. .390" (10mm)



Special "Turbo" Rim Speed Cut Blades

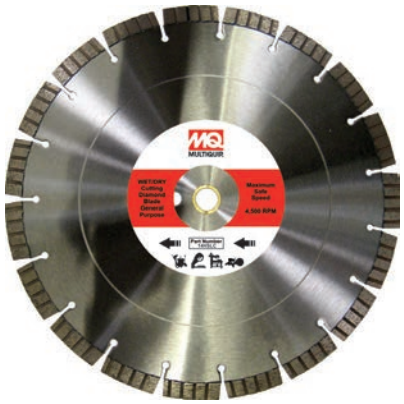
HSLC — Turbo Segmented — Economy

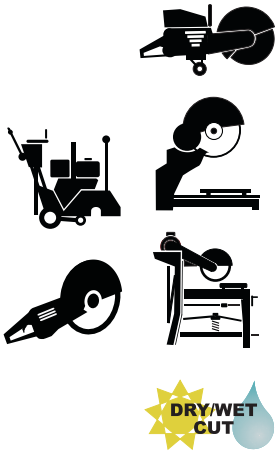
Quality performance, value priced for medium hard curecd concrete and masonry

Model	Size	Arbor
12HSLC	12"x .125	1"-20mm
14HSLC	14"x .125	1"-20mm

Segment Ht. .470"/12mm

LASER WELDED





DRY/WET CUT

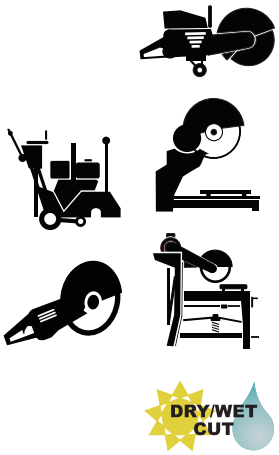
JET — "Special" Fast Cut — Standard

Unique segment designs with a destinct combination of alternating notched and turbo segments provide "fast and aggressive" sawing performance for cured concrete, brick, block and pavers

Model	Size	Arbor
12JET	12" x .125	1"-20mm
14JET	14" x .125	1"-20mm
16JET	16" x .125	1"-20mm

Segment Ht. .590"/15mm

FAST AGGRESSIVE SAWING



DRY/WET CUT

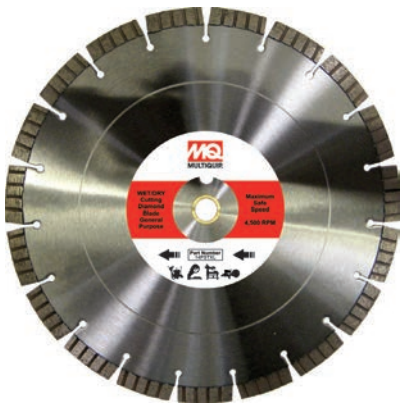
PSTXL — Turbo Segmented — Premium

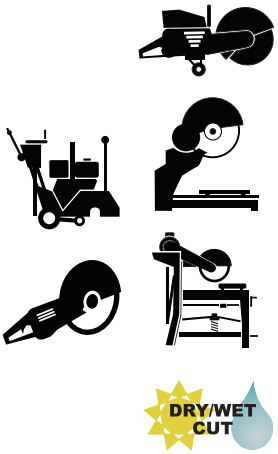
Excellent performance, for fast cutting in very hard concrete, masonty and stone

Model	Size	Arbor
12PSTXL	12" X .125	1"-20mm
14PSTXL	14" x .125	1"-20mm

Segment Ht. .590"/15mm

LASER WELDED





DRY/WET CUT

Green Concrete and Asphalt Blades

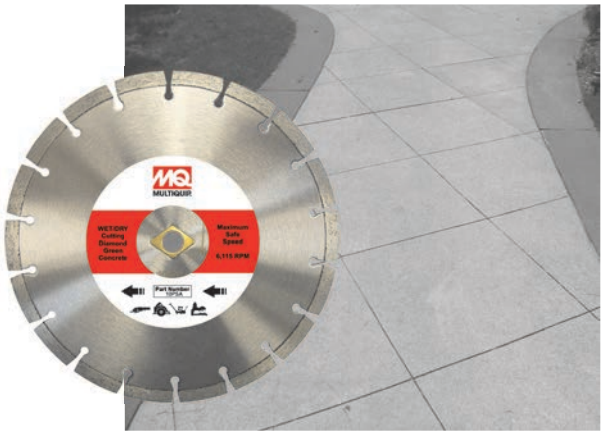
PSA — Abrasive Materials — Premium

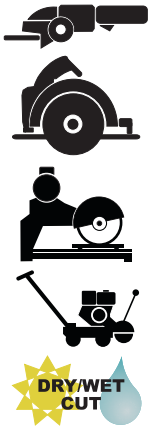
Excellent performance for asphalt, green concrete and abrasive materials

Model	Size	Arbor
7PSA	7" x .095	5/8"-7/8"
8PSA	8" x .095	5/8"-7/8"
9PSA	9" x .095	5/8"-7/8"
10PSA	10" x .095	5/8"-DK

Segment Ht. .390"/10mm

10PSA recommended for the SP1G SlabSaver Saw



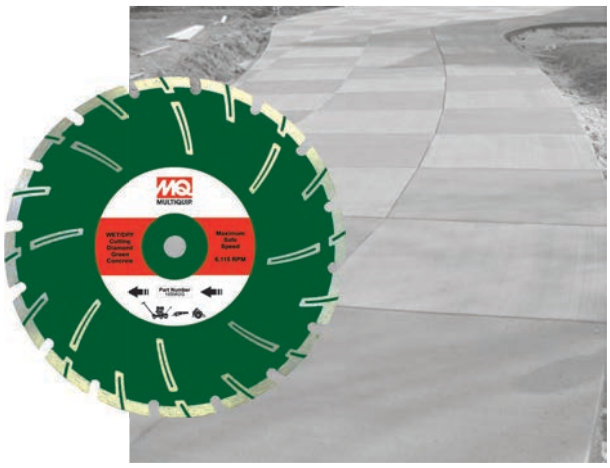


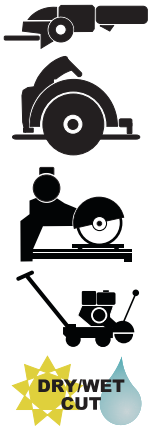
SW2G — Fast Sawing — Green Concrete — Supreme

Superlative, fast sawing performance in Green Concrete and Asphalt

Model	Size	Arbor
10SW2G	10" x .100	5/8"

10SW2G recommended for the SP1G SlabSaver Saw





SX — Clean, Fast Swging — Green Concrete — Pro

Outstanding, aggressive sawing that yields very precise joint lines

Model	Size	Arbor
10SX	10" x .095	5/8"
1025SX	10" x .250	5/8"

10SX and 1025SX recommended for the SP1G SlabSaver Saw

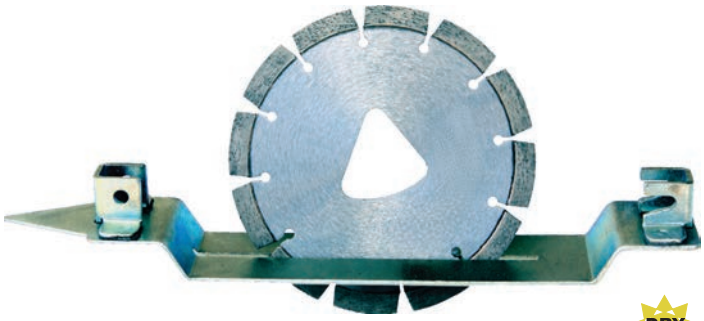
Walk Behind Saw Diamond Blades

EE — For Early Sawing of Green Concrete — Supreme

This series is specially formulated for fast, clean sawing in green concrete.
The special arbor fits Soff-Cut® saws and other saws with asymmetrical arbors.

Model	Size
6EE	6" x .100 x 10mm (.394")
8EE	8" x .100 x 10mm (.394")
10EE	10" x .100 x 10mm (.394")
10250EE	10" x .250 x 10mm (.394")
12EE	12" x .125 x 10mm (.394")
12250EE	12" x .250 x 10mm (.394")
135EE	13.5" x .125 x 10mm (.394")

Segment Ht. .390"/10mm
* Blade comes with skid-plate
Soff-Cut® is a registered Trademark of Husqvarna Construction Products



DRY CUT

PWBC and PWBA — Walk Behind Saws — Premium Plus

PWBC — Superior quality, performance and operational life in cured concrete on 13HP to 25HP saws
PWBA — Superior quality, performance and operational life in asphalt on 13HP to 25HP saws

Model	Size	Arbor
14PWBC	14" x .125	1"
16PWBC	16" x .125	1"
18PWBC	18" x .125	1"
20PWBC	20" x .125	1"
24PWBC	24" x .140	1"

Segment Ht. .470"/12mm

Model	Size	Arbor
14PWBA	14" x .125	1"
16PWBA	16" x .125	1"
18PWBA	18" x .125	1"
20PWBA	20" x .125	1"
24PWBA	24" x .140	1"

Segment Ht. .390"/10mm

LASER WELDED

DRY/WET CUT

Special Rim Sawing Blades

HSC — Combination Turbo Segment — Supreme

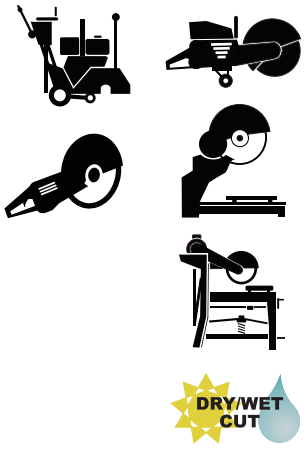
Excellent performance for concrete, asphalt, masonry and stone

Model	Size	Arbor
12HSC	12" x .125	1"-20mm
14HSC	14" x .125	1"-20mm
16HSC	16" x .125	1"-20mm
18HSC	18" x .125	1"
20HSC	20" x .125	1"
24HSC	24" x .160	1"

Segment Ht. .470"/12mm

LASER WELDED

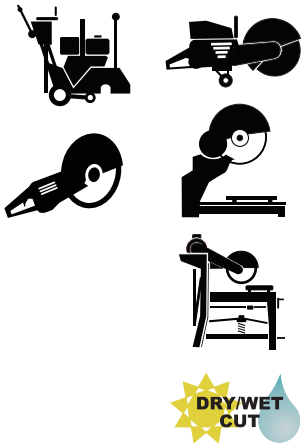
The "GO TO" Combination Blade



HSE — "Everything" Diamond Blade — Premium

Uniquely designed for fast cutting in steel, plastic, glass, concrete, masonry and stone

Model	Size	Arbor
45HSE	4.5" x .080	5/8"-7/8"
7HSE	7" x .095	5/8"-7/8"
12HSE	12" x .125	1"-20mm
12HSEM	12" x .125	20mm
14HSE	14" x .125	1"-20mm
14HSEM	14" x .125	20mm
16HSE	16" x .125	1"-20mm

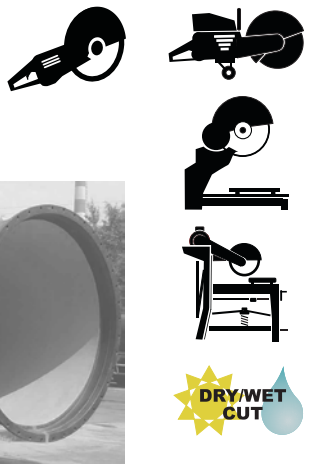


TDI — Ductile Iron — Premium

Superlative, fast sawing performance for ductile pipe

Model	Size	Arbor
12TDI	12" x .110	1"-20mm
12TDIM	12" x .110	20mm
14TDI	14" x .110	1"-20mm
14TDIM	14" x .110	20mm
16TDI	16" x .125	1"-20mm
16TDIM	16" x .125	20mm

Rim Ht. .197"/5mm



"Turbo" Continuous Rim Sawing Blades

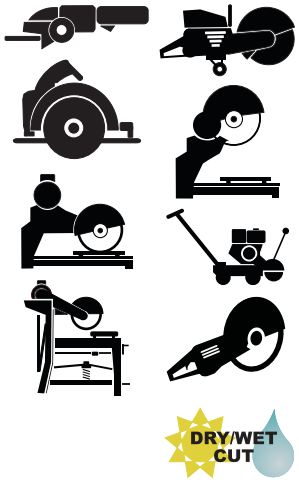
GET — Turbo Rim — Economy

Quality performance, value priced, for medium hard cured concrete and masonry

Model	Size	Arbor
4GET	4" x .080	5/8"-7/8"
4GETMP	4" x .080	5/8"-7/8"
45GET	4.5" x .080	5/8"-7/8"
45GETMP	4.5" x .080	5/8"-7/8"
5GET	5" x .080	5/8"-7/8"
7GET	7" x .090	5/8"-DK
7GETMP	7" x .090	5/8"-DK
10GET	10" x .100	5/8"-DK
10GETMP	10" x .100	5/8"-DK
12GET	12" x .125	1"-20mm
12GETM	12" x .125	20mm
12GETMP	12" x .125	1"-20mm
12GETMMP	12" x .125	20mm

Model	Size	Arbor
14GET	14" x .125	1"-20mm
14GETM	14" x .125	20mm
14GETMP	14" x .125	1"-20mm
14GETMMP	14" x .125	20mm

Rim Ht. .276"/7mm



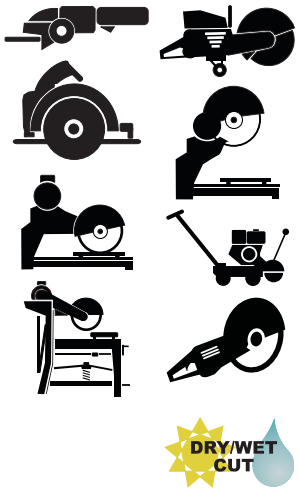
GPT — Turbo Rim — Standard

Quality performance for medium hard cured concrete and masonry

Model	Size	Arbor
4GPT	4" x .080	5/8"-7/8"
4GPTMP	4" x .080	5/8"-7/8"
45GPT	4.5" x .080	5/8"-7/8"
45GPTMP	4.5" x .080	5/8"-7/8"
5GPT	5" x .080	5/8"-7/8"
7GPT	7" x .090	5/8"-DK
7GPTMP	7" x .090	5/8"-DK
8GPT	7" x .090	5/8"-DK
10GPT	10" x .100	5/8"-DK
10GPTMP	10" x .100	5/8"-DK
12GPT	12" x .125	1"-20mm
12GPTM	12" x .125	20mm
12GPTMP	12" x .125	1"-20mm
12GPTMMP	12" x .125	20mm

Model	Size	Arbor
14GPT	14" x .125	1"-20mm
14GPTM	14" x .125	20mm
14GPTMP	14" x .125	1"-20mm
14GPTMMP	14" x .125	20mm

Rim Ht. .276"/7mm

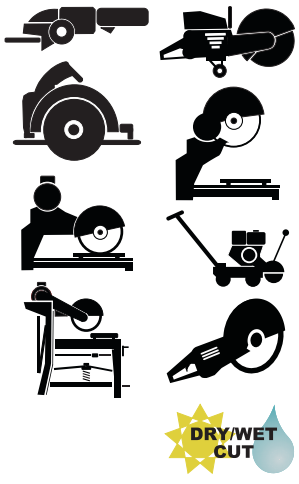


TBL — Turbo Rim — Premium

Excellent performance for medium hard cured concrete and masonry

Model	Size	Arbor
4TBL	4" x .080	5/8"-7/8"
45TBL	4.5" x .080	5/8"-7/8"
5TBL	5" x .080	5/8"-7/8"
6TBL	6" x .090	5/8"-7/8"
7TBL	7" x .090	5/8"-DK
8TBL	8" x .090	5/8"-DK
10TBL	10" x .090	5/8"-DK
12TBL	12" x .125	1"-20mm
12TBLM	12" x .125	20mm
14TBL	14" x .125	1"-20mm
14TBLM	14" x .125	20mm

Rim Ht. .390"/10mm



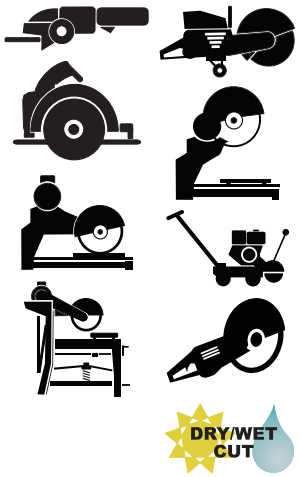
Diamond Blades for Soft Masonry Materials

CHT — Turbo Wave Design — Premium

Excellent performance for medium hard cured concrete and masonry

Model	Size	Arbor
4CHT	4" x .080	5/8"-7/8"
45CHT	4.5" x .080	5/8"-7/8"
5CHT	5" x .080	5/8"-7/8"
7CHT	7" x .090	5/8"-DK
8CHT	8" x .090	5/8"-DK
10CHT	10" x .090	5/8"-DK
12CHT	12" x .125	1"-20mm
14CHT	14" x .125	1"-20mm

Rim Ht. .390"/10mm

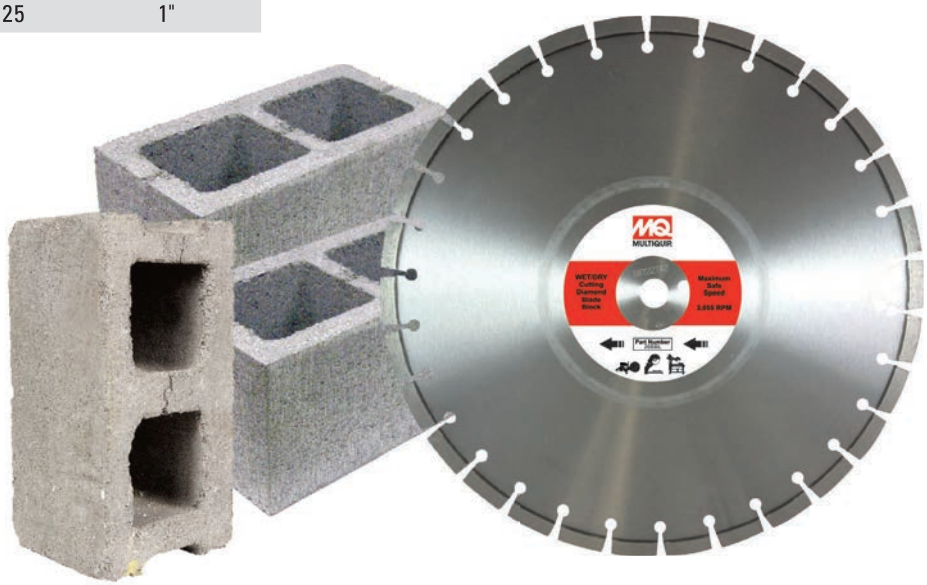


BBL — Block — Premium

Excellent quality and performance for soft abrasive block and masonry materials

Model	Size	Arbor
14BBL	14"x.110	1"-20mm
20BBL	20"x.125	1"

Segment Ht. .590"/15mm



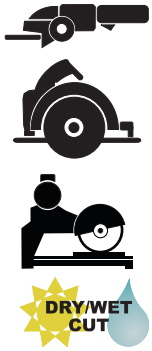
Diamond Blades for Hard Masonry and Stone

PSG— Very Hard Materials — Premium

Excellent performance for granite, stone, hard masonry and concrete

Model	Size	Arbor
4PSG	4" x .080	5/8"- 7/8"
45PSG	4.5" x .080	5/8"- 7/8"
5PSG	5" x .080	5/8"- 7/8"
6PSG	6" x .095	5/8"- DK
7PSG	7" x .095	5/8"- DK
8PSG	8" x .095	5/8"- DK
9PSG	9" x .095	5/8"- DK
10PSG	10" x .095	5/8"- DK

Segment Ht. .390"/10mm



DRY/WET CUT

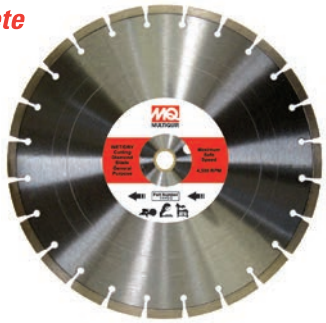
HSG— Very Hard Materials — Premium

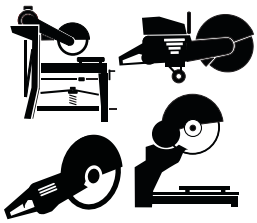
Excellent performance for granite, stone, hard masonry and concrete

Model	Size	Arbor
12HSG	12"x.110	1"-20mm
12HSGM	12"x.110	20mm
14HSG	14"x.125	1"-20mm
14HSGM	14"x.125	20mm
20HSG	20"x.140	1"

Segment Ht. .470"/12mm

LASER WELDED





DRY/WET CUT

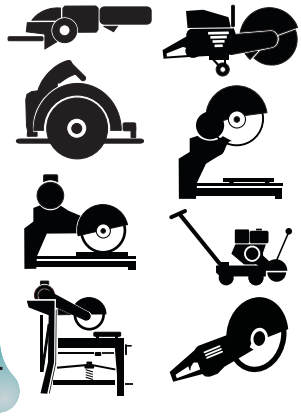
CHST— Turbo Wave Design — Premium

Excellent performance for very hard granite, stone, concrete and masonry

Model	Size	Arbor
4CHST	4" x .080	5/8"- 7/8"
45CHST	4.5" x .080	5/8"- 7/8"
5CHST	5" x .080	5/8"- 7/8"
7CHST	7" x .090	5/8"- DK
9CHST	9" x .090	5/8"- 7/8"
10CHST	10" x .100	5/8"- DK
12CHST	12" x .125	1"-20mm
14CHST	14" x .125	1"-20mm

Segment Ht. .390"/10mm

DRY/WET CUT

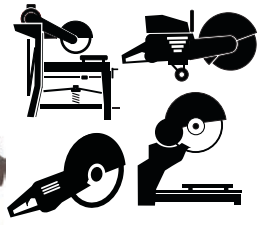


PVL — Hard Paver Brick — Premium

Excellent quality and performance for hard to very hard brick pavers

Model	Size	Arbor
10PVL	10"x.095	5/8"-DK
12PVL	12"x.110	1"-20mm
12PVLM	12"x.110	20mm
14PVL	14"x.110	1"-20mm
14PVLM	14"x.110	20mm
16PVL	16"x.125	1"-20mm
20PVL	20"x.125	1"

Segment Ht. .590"/15mm



DRY/WET CUT

Wet Cutting Diamond Blades — Walk Behind Series

Cured Concrete

The highest quality components for optimum sawing performance

Model	Size	Arbor
1412C	14" x .125	1"
1414C	14" x .140	1"
1418C	14" x .187	1"
1425C	14" x .250	1"
1616C	16" x .165	1"
1816C	18" x .165	1"
2016C	20" x .165	1"
2416C	24" x .165	1"
2616C	26" x .165	1"
3016C	30" x .165	1"
3616C	36" x .165	1"
3618C	36" x .187	1"

Segment Ht. 10mm
Arbor Diameter: 1"
All models shown have under-cut core protection

Wet Cutting Diamond Blades — Walk Behind Series

Ashpalt and Green Concrete

The highest quality components for optimum sawing performance

Model	Size	Arbor
1412AG	14" x .125	1"
1414AG	14" x .140	1"
1425AG	14" x .250	1"
1616AG	16" x .165	1"
1816AG	18" x .165	1"
2016AG	20" x .165	1"
2416AG	24" x .165	1"
2616AG	26" x .165	1"
3016AG	30" x .165	1"
3616AG	36" x .165	1"
3618AG	36" x .187	1"

Segment Ht. 10mm
Arbor Diameter: 1"
All models shown have under-cut core protection

Dry/Wet Cutting Diamond Blades Tile Series

T — Tile Series — Standard

Quality performance, value priced for ceramic tile and soft to medium stone

Model	Size	Arbor
4T	4" x .060	5/8"-7/8"
45T	4.5" x .060	5/8"-7/8"

Rim Ht. .390"/10mm

Model	Size	Arbor
7T	7" x .060	5/8"-7/8"
7TMP	7" x .060	5/8"-7/8"
10T	10" x .060	5/8"-7/8"
10TMP	10" x .060	5/8"-7/8"

TP — Tile Series — Premium

Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor
4TP	4" x .060	5/8"-7/8"
4TPMP	4" x .060	5/8"-7/8"
45TP	4.5" x .060	5/8"-7/8"
6TP	6" x .060	5/8"
7TP	7" x .060	5/8"
7TPMP	7" x .060	5/8"

Model	Size	Arbor
8TP	8" x .060	5/8"
9TP	9" x .060	5/8"
10TP	10" x .060	5/8"
10TPMP	10" x .060	5/8"
12TP	12" x .080	1"
14TP	14" x .080	1"

Rim Ht. 4TP & 45TP .315"/8mm, 6TP Through 14TP .390"/10mm

TS — Tile Series — Supreme

Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor
4TS	4" x .060	5/8"-7/8"
45TS	4.5" x .060	5/8"-7/8"
6TS	6" x .060	5/8"
7TS	7" x .060	5/8"

Model	Size	Arbor
8TS	8" x .060	5/8"
10TS	10" x .060	5/8"
12TS	12" x .080	1"
14TS	14" x .080	1"

Rim Ht. .390"/10mm

PTP — Porcelain Series — Premium

Quality performance, smooth cutting for ceramic tile and soft to medium hard stone

Model	Size	Arbor
7PTP	7" x .060	5/8"-7/8"
8PTP	8" x .060	5/8"-7/8"
10PTP	10" x .060	5/8"-7/8"

Rim Ht. .390"/10mm

TD — Tile Dry Cutting Series — Premium

Quality performance for ceramic and porcelain tile, qually tile, marble and granite

Model	Size	Arbor
4TD	4" x .060	5/8"-7/8"
45TD	4.5" x .060	5/8"-7/8"

Rim Ht. .295"/7.5mm

Model	Size	Arbor
5TD	5" x .060	5/8"-7/8"
8TD	8" x .060	5/8"-7/8"
10TD	10" x .060	5/8"-7/8"

Diamond Cup Wheels — Standard Segments

CS and CST — Single Row Cup — Standard

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor
4CS	4"	5/8"-7/8"
4CST	4"	5/8"-11 Thd.
7CS	7"	5/8"-7/8"
7CST	7"	5/8"-11 Thd.

DRY/WET CUT

CSP and CSPT — Single Row Cup — Premium

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor
4CSP	4"	5/8"-7/8"
4CSPT	4"	5/8"-11 Thd.
7CSP	7"	5/8"-7/8"
7CSPT	7"	5/8"-11 Thd.

DRY/WET CUT

CD and CDT — Double Row Cup — Standard

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	Arbor
4CD	4"	5/8"-7/8"
4CDT	4"	5/8"-11 Thd.
7CD	7"	5/8"-7/8"
7CDT	7"	5/8"-11 Thd.

DRY/WET CUT

CDP and CDPT — Double Row Cup — Premium

Fast, aggressive grinding performance and excellent final finish for concrete, masonry and stone

Model	Size	Arbor
4CDP	4"	5/8"-7/8"
4CDPT	4"	5/8"-11 Thd.
7CDP	7"	5/8"-7/8"
7CDPT	7"	5/8"-11 Thd.

DRY/WET CUT

Diamond Cup Wheels — Turbo Segments

CTS and CTST — Single Row Turbo Cup — Standard

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor
4CTS	4"	8	5/8"-7/8"
4CTST	4"	8	5/8"-11 Thd.
7CTS	7"	12	5/8"-7/8"
7CTST	7"	12	5/8"-11 Thd.

DRY/WET CUT

CTP and CTPT — Single Row Turbo Cup — Premium

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor
4CTP	4"	8	5/8"-7/8"
4CTPT	4"	8	5/8"-11 Thd.
7CTP	7"	12	5/8"-7/8"
7CTPT	7"	12	5/8"-11 Thd.

DRY/WET CUT

CTS2 and CTST2 — Double Row Turbo Cup — Standard

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor
4CTS2	4"	14	5/8"-7/8"
4CTST2	4"	14	5/8"-11 Thd.
7CTS2	7"	24	5/8"-7/8"
7CTST2	7"	24	5/8"-11 Thd.

DRY/WET CUT

CTP2 and CTPT2 — Double Row Turbo Cup — Premium

Fast, smooth grinding performance for concrete, masonry and stone

Model	Size	No. of Segs.	Arbor
4CTP2	4"	14	5/8"-7/8"
4CTPT2	4"	14	5/8"-11 Thd.
7CTP2	7"	24	5/8"-7/8"
7CTPT2	7"	24	5/8"-11 Thd.

DRY/WET CUT

Diamond Cup Wheels — Special Segments

SWC and SWCT — Sidewinder Cup — Pro

Aggressive material removal; leaves professional surface for concrete, masonry and stone

Model	Size	Arbor
4SWC	4"	5/8"-7/8"
4SWCT	4"	5/8"-11 Thd.

Model	Size	Arbor
7SWC	7"	5/8"-7/8"
7SWCT	7"	5/8"-11 Thd.

PRO Series

DRY/WET CUT

CTM and CTMT — Continuous Turbo Cup — Premium

Excellent medium grit for professional finish grinding for concrete, masonry and stone

Model	Size	Arbor
4CTM	4"	5/8"-7/8"
4CTMT	4"	5/8"-11 Thd.

Model	Size	Arbor
7CTM	7"	5/8"-7/8"
7CTMT	7"	5/8"-11 Thd.

DRY/WET CUT

CTC and CTCT — Continuous Turbo Cup — Premium

Excellent coarse grit finish grinding for professional results for concrete, masonry and stone

Model	Size	Arbor
4CTC	4"	5/8"-7/8"
4CTCT	4"	5/8"-11 Thd.

Model	Size	Arbor
7CTC	7"	5/8"-7/8"
7CTCT	7"	5/8"-11 Thd.

DRY/WET CUT

PDGW and PDGWA — Floor Grinding Disc — Premium

PDGW — Fast, aggressive grinding performance for professional finishes on hard non-abrasive materials
PDGWA — Fast, aggressive grinding performance for professional finishes on soft abrasive materials

Model	Size	Arbor
10PDGW	10"	*
10PDGWA	10"	*

* Arbor: Hole patterns are engineered to fit most 10" grinding machines. Arbors are 3/4" with 4 holes 3/8"-24 threaded and 4 hole 25/64" countersunk.

DRY/WET CUT

Tuck Point Diamond Wheels

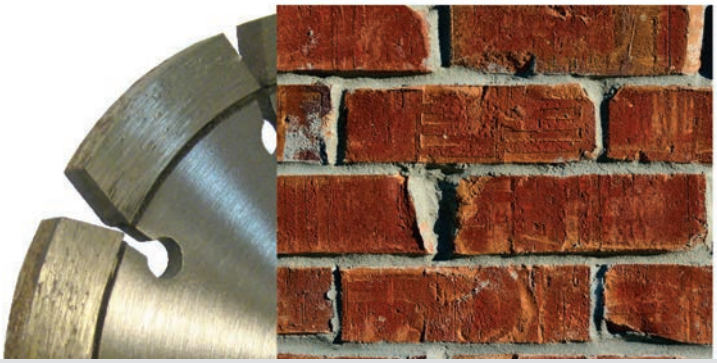
GTK — Tuck Point — Economy

Quality aggressive material removal for brick/block mortar joints

Model	Size	Arbor
4GTK	4" x .250	5/8"-7/8"
45GTK	4.5" x .250	5/8"-7/8"

Model	Size	Arbor
5GTK	5" x .250	5/8"-7/8"
7GTK	7" x .250	5/8"-7/8"

Segment Ht. .390"/10mm



DRY/WET CUT

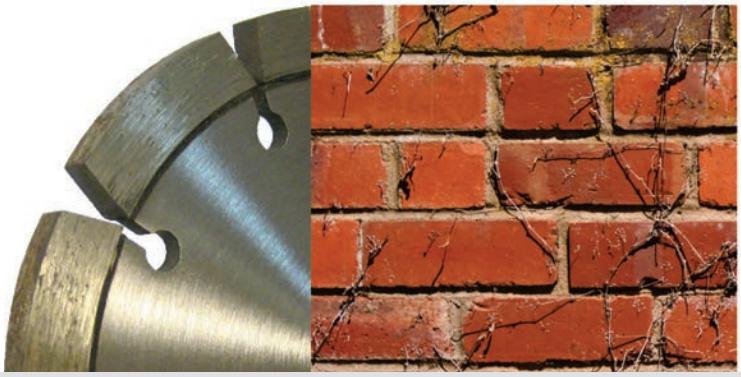
TK — Tuck Point — Standard

Great aggressive material removal for brick/block mortar joints

Model	Size	Arbor
4TK	4" x .250	5/8"-7/8"
4TK500	4" x .500	5/8"-7/8"

Model	Size	Arbor
45TK	4.5" x .250	5/8"-7/8"
5TK	5" x .250	5/8"-7/8"
7TK	7" x .250	5/8"-7/8"

Segment Ht. .315"/8mm



DRY/WET CUT

PTK — Tuck Point — Premium

Excellent aggressive material removal for brick/block mortar joints

Model	Size	Arbor
4PTK	4" x .250	5/8"-7/8"
4PTK375	4" x .375	5/8"-7/8"
4PTK500	4" x .500	5/8"-7/8"

Model	Size	Arbor
45PTK	4.5" x .250	5/8"-7/8"
5PTK	5" x .250	5/8"-7/8"
7PTK	7" x .250	5/8"-7/8"

Segment Ht. .390"/10mm

DRY/WET CUT

Tuck Point and Crack Chaser Diamond Wheels

WTK — Double Wafer Tuck Point — Premium

Lightning fast material removal for increased productivity over conventional tuck point blades

Model	Size	Arbor
4WTK	4" x .250	5/8"-7/8"
45WTK	4.5" x .250	5/8"-7/8"
5WTK	5" x .250	5/8"-7/8"
7WTK	7" x .250	5/8"-7/8"

Segment Ht. .390"/10mm

DRY/WET CUT

3WTK — Triple Wafer Tuck Point — Premium

Lightning fast material removal for increased productivity over conventional tuck point blades

Model	Size	Arbor
43WTK	4" x .375	5/8"-7/8"
453WTK	4.5" x .375	5/8"-7/8"
53WTK	5" x .375	5/8"-7/8"
73WTK	7" x .375	5/8"-7/8"

Segment Ht. .390"/10mm

DRY/WET CUT

CKV — "V" Shape Crack Chaser — Premium

Quickly route and widen cracks in surfaces that require a "V" groove for sealing preparation; Fast cutting and long life in concrete and asphalt

Model	Size	Arbor
4CKV	4" x .375"	5/8"-7/8"
4CKVT	4" x .375"	5/8"-11 Thrd
45CKV	4.5" x .500"	5/8"-7/8"
45CKVT	4.5" x .500"	5/8"-11 Thrd
7CKV	7" x .375"	5/8"-7/8"
75CKV	7" x .500"	5/8"-7/8"
8CKV	8" x .375"	5/8"-7/8"
85CKV	8" x .500"	5/8"-7/8"

Segment Ht. .500"/12.7mm

DRY/WET CUT

Diamond Core Bits

Diamond Core Bits

Diameter		CB Series	CBA Series	PRB Series	CBS Series
in.	Thread	Model	Model	Model	Model
¾"	5/8"-11	34CB	-	-	-
1"	5/8"-11	1CB	-	1PRB	1CBS
1¼"	5/8"-11	-	-	114PRB	114CBS
1½"	5/8"-11	112CB	-	112PRB	112CBS
2"	1¼"- 7	2CB	2CBA	2PRB	2CBS
2½"	1¼"- 7	212CB	212CBA	212PRB	212CBS
3"	1¼"- 7	3CB	3CBA	3PRB	3CBS
3½"	1¼"- 7	312CB	312CBA	312PRB	312CBS
4"	1¼"- 7	4CB	4CBA	4PRB	4CBS
4½"	1¼"- 7	412CB	412CBA	412PRB	412CBS
5"	1¼"- 7	5CB	5CBA	5PRB	5CBS
5½"	1¼"- 7	-	-	512PRB	-
6"	1¼"- 7	6CB	6CBA	6PRB	6CBS
6½"	1¼"- 7	-	-	613PRB	-
7"	1¼"- 7	7CB	7CBA	7PRB	7CBS
8"	1¼"- 7	8CB	8CBA	8PRB	8CBS
9"	1¼"- 7	9CB	-	9PRB	9CBS
10"	1¼"- 7	10CB	-	10PRB	10CBS
11"	1¼"- 7	-	-	11PRB	-
12"	1¼"- 7	12CB	-	12PRB	12CBS
14"	1¼"- 7	14CB	-	14PRB	-

CB ..... **Standard:** Great quality, performance and operational life. Designed for light steel reinforcement applications and general purpose drilling of medium hard cured concrete, masonry and stone.

CBA .... **Standard:** Great quality, performance and operational life in ashpalt, green concrete, and all abrasive materials.

PRB .... **Premium:** Excellent quality, performance and operational life. Designed for light steel reinforcement applications and general purpose drilling of medium hard cured concrete, masonry and stone.

CBS..... **Supreme:** Excellent performance and long life in cured concrete with moderate to heavy steel reinforcement, hard masonry and stone.

All Core Bit barrel lengths are 14"
1¼"-7 Thread

LASER WELDED

Cobra II Professional Diamond Core Bits

Cobra Professional Diamond Core Bits

The Multiquip COBRA II Core Bit Series provides exceptional hand-held drilling performance. The unique design of the core barrel and diamond segment matrix provides fast and accurate drilling operations. The COBRA II is specifically engineered to tackle hard materials.

Cobra II with Pilot Bit

Part No.	Description
78COB2	7/8" COBRA-II Bit Set
1COB2	1" COBRA-II Bit Set
114COB2	1 1/4" COBRA-II Bit Set
112COB2	1 1/2" COBRA-II Bit Set
134COB2	1 3/4" COBRA-II Bit Set
2COB2	2" COBRA-II Bit Set
214COB2	2 1/4" COBRA-II Bit Set
212COB2	2 1/2" COBRA-II Bit Set
234COB2	2 3/4" COBRA-II Bit Set
3COB2	3" COBRA-II Bit Set
312COB2	3 1/2" COBRA-II Bit Set
4COB2	4" COBRA-II Bit Set
412COB2	4 1/2" COBRA-II Bit Set
5COB2	5" COBRA-II Bit Set
6COB2	6" COBRA-II Bit Set
C2CP	COBRA-II Center Pin Only
CH2S	Adapter, COBRA-II 5/8"-11 Male/Female Replacement

- **Core Bit Length: 10"**
- **Core Bit Thread: 5/8"-11 (F)**
- **Includes Pilot Bit assembly**

Cobra II Core Bit only

Part No.	Description
78COB2BO	7/8" COBRA-II Bit Only
1COB2BO	1" COBRA-II Bit Only
114COB2BO	1 1/4" COBRA-II Bit Only
112COB2BO	1 1/2" COBRA-II Bit Only
134COB2BO	1 3/4" COBRA-II Bit Only
2COB2BO	2" COBRA-II Bit Only
214COB2BO	2 1/4" COBRA-II Bit Only
212COB2BO	2 1/2" COBRA-II Bit Only
234COB2BO	2 3/4" COBRA-II Bit Only
3COB2BO	3" COBRA-II Bit Only
312COB2BO	3 1/2" COBRA-II Bit Only
4COB2BO	4" COBRA-II Bit Only
412COB2BO	4 1/2" COBRA-II Bit Only
5COB2BO	5" COBRA-II Bit Only
6COB2BO	6" COBRA-II Bit Only

- **Core Bit Length: 10"**
- **Core Bit Thread: 5/8"-11 (F)**
- **Does not include Pilot Bit assembly**

C2CP Center Pin (Pilot Bit)

CH2S Pilot Bit Adapter (5/8"-11)

Blockbuster Dry Diamond Core Bits

Blockbuster Dry Diamond Core Bits — Premium

Blockbuster Series bits are designed for fast, clean drilling to 9" depth in concrete block and soft masonry materials. Air slots in the cores aid in cooling. Bits easily adapt to most right angle grinders with 5/8"-11 threaded shafts, and hand held drills with 5/8"-11 to Jacobs chuck adapters.

Model	Size	Thread
1DB	1"	5/8"-11
114DB	1 1/4"	5/8"-11
112DB	1 1/2"	5/8"-11
134DB	1 3/4"	5/8"-11
2DB	2"	5/8"-11
214DB	2 1/4"	5/8"-11
212DB	2 1/2"	5/8"-11
3DB	3"	5/8"-11
312DB	3 1/2"	5/8"-11
4DB	4"	5/8"-11
412DB	4 1/2"	5/8"-11
5DB	5"	5/8"-11
6DB	6"	5/8"-11

* All Core Bit barrel lengths are 10"

LASER WELDED

DRY/WET DRILL

Dry Diamond Drill Bits for Ceramics and Stone — Premium

TB High quality drill bits for clean drilling of ceramics and soft stone. Designed for use on most hand drills with 3/8" or 1/2" chuck sizes. Drilling depth is 2".

Model	Diameter	Shank Diameter
12TB	1/2"	10mm
34TB	3/4"	10mm
78TB	7/8"	*10mm
1TB	1"	*10mm
118TB	1 1/8"	*10mm
114TB	1 1/4"	*10mm
138TB	1 3/8"	*10mm
112TB	1 1/2"	*10mm
158TB	1 5/8"	*10mm
134TB	1 3/4"	*10mm
178TB	1 7/8"	*10mm
2TB	2"	*10mm
212TB	2 1/2"	*10mm
3TB	3"	*10mm

*Includes Pilot Bit

DRY/WET DRILL

Accessories — Adapters and Arbor Bushings

Common Adapters for Core Drills and Core Bits

Model	Description
ADM1858	Adapter, 18mm Female to 5/8"- 11 Male
ADM181147	Adapter, 18mm Female to 1 1/4"- 7 Male
AD12JC5811	Adapter, ½" Jacobs Chuck to 5/8"-11 M
EXT12M18	Bit Extension 12" x M18 Female/Male
EXT65811	Bit Extension 6" x 5/8"-11 Female/Male
EXT125811	Bit Extension 12" x 5/8"-11 Female/Male
C2CP	COBRA-II Center Pin Only
CH2S	Adapter,COBRA-II 5/8"-11 Male/Female Replacement

Common Arbor Bushings for Diamond Blades

Model	Description
BUSHING1	Bushing, 7/8" OD x 5/8" ID x 3mm
BUSHING2	Bushing, 1" OD x 20mm ID x 2mm
BUSHING3	Bushing, 1" OD x 7/8" ID x 2mm
BUSHING4	Bushing, Diamond x 5/8" ID x 1.5mm

Hand-Held Core Drill Kit

CDM1H — Wet and Dry Hand Held Core Drill

The Multiquip CDM1H is a value-packed hand-held electric core drill kit capable of handling multiple drilling and coring applications. The unit operates at 115V 10A and generates 2,000 RPM. Further, the model is designed with a slip clutch and overload protection.

The high RPM is ideally suited for use with the Multiquip COBRA II Series Dry Core Bits, and can support standard Blockbuster Dry Core Bits up to 6" and Wet Core Bits up to 3" in diameter.

Kit includes:

- Drill with extendable support arm
- Water Kit
- Wrenches to connect/remove Core Bits
- M18F to 5/8"-11M adapter
- M18F to 1-1/4"-7M adapter
- Carrying case.

Diamond Blade Troubleshooting Guide

A majority of the problems experienced by diamond blade end users are the result of:

a. Choosing the wrong blade for the job.

b. Improper use of blade.

c. Equipment failure or improperly maintained equipment.

Below are some examples of common problems experienced by end users.

Blade wobbles (loss of tension)

a. Blade is too hard for material. Creates excessive stress on steel core. ***Check with manufacturer if blade is suitable for material.***

b. Blade shaft of saw is misaligned. Causes steel core to become bowed. ***Check saw for proper blade shaft alignment.***

c. Blade flanges are worn and undersized. Insufficient clamping area to keep blade strait. ***Replace blade flanges with manufacturers recommended parts only.***

d. Blade flanges, both inner and outer are different diameters. Causes steel core to bow. ***Replace blade flanges with manufacturers recommended parts only.***

e. Saw operator is attempting to cut full depth in one pass. Causes blade to stop cutting creating excessive stress on steel core resulting, in loss of tension.

Lower blade to a depth that allows the saw to cut at a forward speed of 8 to 10 feet per minute without the blade lifting out of the cut. This is step cutting, which requires making multiple passes at progressive depths. Step cutting is more time and cost effective than cutting full depth in one pass.

f. Blade core is overheating due to lack of adequate coolant.

Check water supply system for even water flow or blockages to both inner and outer sides of blade. When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade.

Super Slurc

Slurc

Undercutting

Undercutting is a condition in which the steel core where the segments and core are joined wears faster than the segment. This condition results from highly abrasive materials such as sand generated by the sawing operation grinding against the blade.

a. Lack of sufficient water to flush away cuttings. ***Increase water flow to blade. Check for blocked water supply tubes.***

b. Allowing blade to cut through material into sub-base material. ***Set cutting depth slightly less than or equal to the total depth of slab.***

c. Lack of sufficient undercut protection on steel core. ***When ordering blades from your supplier, request undercut protection. Multiquip provides undercut protection at no additional charge. Types of undercut protection offered are shown below.***

Steel Core and Segment Cracks

a. Blade is too hard for material. Creates excessive stress on steel core and segment. ***Check with manufacturer if blade is suitable for material being cut.***

b. Exceeding recommended operating speed. Will cause blade to cut slower and create excessive stress on core. ***Always operate blades at manufacturer's recommended R.P.M. Refer to A.N.S.L code B71 & B75.***

c. Blade core is overheating due to lack of adequate coolant. ***Check water supply system for even water flow or blockages to both inner and outer sides of blade. When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade.***

d. Saw operator is attempting to cut full depth in one pass. Causes blade to stop cutting creating excessive stress on steel core resulting in loss of tension and core cracks. ***Lower blade to a depth that allows the***

saw to cut at a forward speed of 8 to 10 feet per minute without the blade lifting out of the cut. This is step cutting, which requires making multiple passes at progressive depths. Step cutting is more time and cost effective than cutting full depth in one pass.

Blade Out of Round

a. Blade is too hard for material. Creates excessive stress on steel core. ***Check with manufacturer if blade is suitable for material.***

b. Worn blade shaft bearings. Causes blade shaft to turn eccentrically resulting in blade wearing out of round. ***Replace blade shaft bearings. This condition most often occurs when bearing lubrication is neglected.***

c. Blade shaft scored due to blade spinning between flanges. Causes blade to turn eccentrically resulting in blade wearing out of round. Condition is normally occurs when drive or safe pin is broken or missing. ***Replace blade shaft, possibly bearings, inner and outer blade flanges and drive pin.***

Arbor Hole Out of Round

a. Blade shaft scored due to blade spinning between flanges. Causes blade to turn eccentrically resulting in blade wearing out of round. ***Condition normally occurs when drive or safe pin is broken or missing. Replace blade shaft, possibly bearings, inner and outer blade flanges and drive pin.***

b. Blade flanges improperly tightened allowing blade to rotate on shaft. ***Check for damage to mounting shaft and replace if damaged. Always make sure blade is properly secured with blade wrench, never hand tighten.***

Blade not Cutting

a. Blade is too hard for material. Using asphalt blade to cut concrete or block blade on hard brick. ***Check with dealer or manufacturer if blade is suitable for material you are cutting.***

b. Saw operator is attempting to cut full depth in one pass. Causes blade to stop cutting due to lack of diamond exposure due to insufficient power. Lack of power could also be due to loose V-belts, loss of engine compression, inadequate voltage or exceeding manufacturers recommended R.P.M. ***Lower blade to a depth that allows the saw to cut at a forward speed of 8 to 10 feet per without the blade lifting out of the cut. Check belts and replace if worn. Have mechanic check if engine compression is within manufacturers specifications. Make sure extension cords are rated properly for tool HP and amperage.***

Segment Loss

a. Material being cut is not held securely causing blade to twist and jamb in cut. ***Secure material during cutting. Maintain firm grip on cutting tool.***

b. Worn or debris covered blade flanges provide insufficient clamping to support blade causing it to deflect. ***Make sure flanges are free of debris when mounting blade. Replace flanges if worn or undersize.***

c. Blade is too hard for material. Using asphalt blade to cut concrete or block blade on hard brick. ***Check with dealer or manufacturer if blade is suitable for material you are cutting.***

d. Worn blade shaft bearings or scored blade shaft. Causes blade shaft to turn eccentrically, wearing blade out of round and causing blade to pound, resulting in segment loss. ***Replace blade shaft bearings or blade shaft.***

e. Blade overheated resulting in a blue color on the steel core in the area where segment is mounted. ***Check water supply system for even water flow or blockages to both inner and outer sides of blade. Check if mechanical water pump is functioning properly and supply hose is not kinked. When dry cutting, make more shallow intermittent cuts to allow more time for air to cool the blade. Every few minutes allow blade to spin freely in order to cool.***

Diamond Core Drilling Tips

Make sure to always secure drill stand with a mechanical anchor, vacuum system, or ceiling jack.

DO NOT stand on the base and proceed to drill without anchoring. VACUUM BASES are designed to accommodate a maximum of 6" diameter core bits. LEVEL the drill stand by using a level on the mast and adjusting the leveling screws on the four corners of the mast.

Turn on the water supply before starting the drill motor. DO NOT let the bit spin in the hole without applying pressure. Apply even pressure when drilling. When drilling through STEEL REINFORCEMENT or REBAR reduce the downward pressure and allow the bit to cut at its own rate. DO NOT FORCE the bit.

Also it is helpful with a multiple speed unit, to first stop the motor then switch to a slower speed.

Drilling in concrete with very hard aggregate or high PSI concrete may cause the bit to glaze over or stop cutting. When this occurs several methods can be used to help open up or redress the bit.

If possible, switch drill motor to a slower speed. Reduce the water flow by half for a few minutes to allow more of the material generated by the cutting action to build up in the cut. As the bit begins to open up or pick up speed, increase the water flow gradually. Sand can be added to the slurry. Then repeat the above procedure.

Upon completion of drilling, back the core bit out of the hole with the motor running and reduce the water flow.

Core Bit RPM Chart

Size	Ideal RPM	Min. RPM	Max. RPM
1"	3182	2387	3980
1¼"	2545	1910	3184
1½"	2121	1592	2653
1¾"	1818	1364	2274
2"	1591	1194	1990
2½"	1273	955	1592
3"	1061	796	1327
3½"	909	682	1137
4"	795	597	995
4¼"	749	562	937
4½"	707	531	884
5½"	579	434	724
6"	530	398	663
6¼"	509	382	637
6½"	490	367	612
7"	455	341	569
8*	398	298	498
9"	354	265	442
10"	318	239	398
11"	291	219	365
12"	265	199	332
14"	227	171	284

Technical Information

Maximum Safe Blade Speed

Diameter		Max. Safe RPM
Inches	mm	
4"	102	15,280
4½"	114	13,580
5"	127	12,225
6"	152	10,185
7"	178	8,730
8"	203	7,640
9"	229	6,780
10"	254	6,115
12"	305	5,095
12"	**305**	**6,300 (HS)**
14"	356	3,820
14"	**356**	**5,400 (HS)**
16"	406	3,820
16"	**406**	**4,500 (HS)**
18"	457	3,395
20"	508	3,055
22"	559	2,780
24"	610	2,550
26"	660	2,350
28"	711	2,185
30"	762	2,040
32"	813	1,910
36"	914	1,700
42"	1067	1,455
48"	1219	1,275

** Based Upon ANSI B7.1 & B7.5 guidelines for maximum safe/never exceed speeds. Before cutting operations ensure that the actual blade shaft (arbor) speed of the tool is within the "Maximum Safe Speed (RPM)" of the blade.

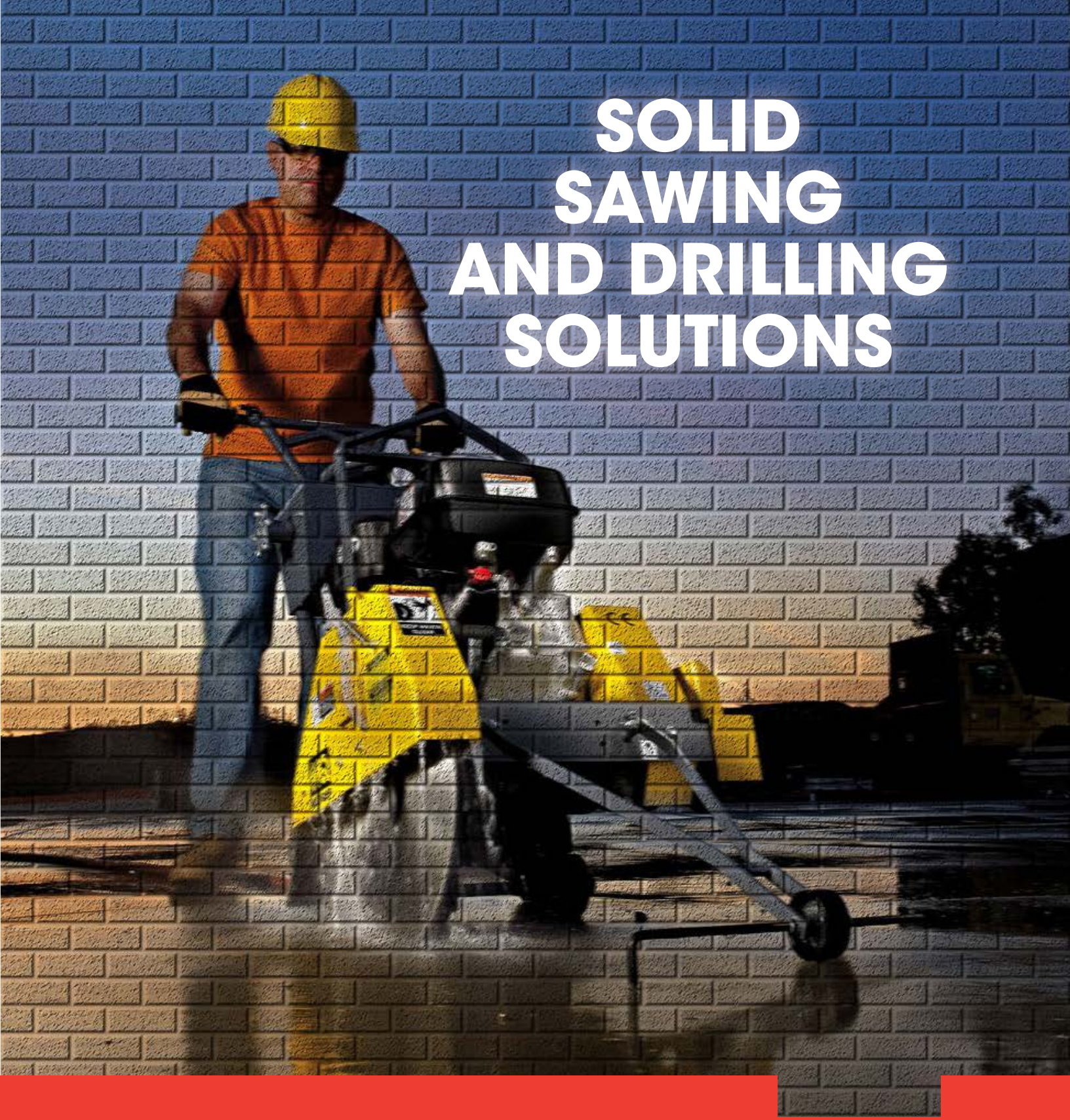
HS = For High Speed Cut-Off Saws

Wet Cutting — Water for Cooling the Blade

Diamond Blades classified as WET cutting MUST be used with water to reduce the extreme heat that builds up during operations. Water also reduces dust and helps remove cutting residue. Operating a WET blade without water will cause damage to the blade, and creates a safety hazard. A continuous flow of water to both sides of the blade/core bit is critical to safe, effective cutting operations.

Dry Cutting — Air or Water for Cooling the Blade

Diamond Blades classified as DRY cutting utilize the circular speed airflow around the blade to prevent extreme heat build-up. Using a technique of intermittent sawing and shallow depths help ensure sufficient cooling intervals. Also, water may be used as a blade coolant, and to aid in minimizing dust being generated.



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