KGS
Swiss Diamond Technology®

RED
PROGRAM



DIAMOND TOOLS

Construction Industry

Issued January 2022

PROUD MANUFACTURERS
INNOVATORS SINCE 1952

WWW.KGSDIAMONDTOOLS.COM

A HISTORY OF INNOVATION



KGS DIAMOND, with its headquarters in Switzerland, is a world leading abrasives innovation company since 1952.

KGS not only patents its newest inventions and innovations on a regular basis but also controls unique and automated, proprietary production technologies, which guarantee an attractive cost base giving us the ability to compete with any manufacturer globally.

Further benefits of these abilities are a high reliability and reproducibility of our products. All this translates into "Swiss Diamond Technology®".

Our values are our commitment to you with state of the art products and services, reliability and accountability.

I personally stand by our commitment, so do not hesitate to contact me for comments and suggestions at office-sf@kgs.swiss

Yours sincerely,

Sandro Ferronato
President & CEO



KGS DIAMOND, a technology driven company



The history of **KGS DIAMOND** starts in **1952** when Natale Ferronato founds a company near Zürich, Switzerland, producing cold bonded quality abrasives, mainly for grinding and polishing applications: Natale Ferronato & Co. In the next years the production activities expand with the introduction of sintering production methods.

In **1970** Natale Ferronato passes the management responsibility to his wife Maryse Ferronato, who is succeeded in **1980** by Sandro Ferronato, today's President and CEO. In **1985** the company is renamed to **KGS DIAMOND.** In the next years a strong international development starts and the company opens sales offices around the world and acquires new production facilities.

KGS is a globally active company – with Swiss roots. In order to be close to our customers we have a global sales and distribution network with **20 companies** in 15 countries in Europe, North America, Middle East, and Asia providing engineered solutions for hard to grind & brittle materials in aerospace, glass, porcelain, electronics, automotive, construction, stone and floor related markets. **6 manufacturing sites** – located in Switzerland, The Netherlands, Hungary, Portugal, India and the United Arab Emirates – providing a wide range of diamond tools, flexible diamond abrasives and premium coated abrasives.

Content guide

Find the right product for your application

Product group	Application	Page
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KGS RED™ K801 - p. 14
Diamond saw blade, fast and precise! Extremely long life.





KGS Swiflex® Cobra - p. 30
Perfect cut due to diamond electroplated design.
Suited for cutting and grinding.
Great price-performance ratio.

KGS RED™ K855 - p. 36
Quick and easy! Powerful vacuum brazed drills, suitable for ceramics composite and natural stone.





KGS Hybrid® Flap discs - p. 42
Very smooth grinding compared to cup-wheels. High stock removal.
Excellent and clean finish.





Dear customer, partner

In this catalogue you will find our KGS RED™ program, which offer a complete range of products for construction professionals and tilers. From large diamond cutting blades to diamond drills, drills for tiles and different types of grinding and polishing discs.

The KGS RED™ tools can be used on many types of construction materials. In order to get the most out of the tool, we offer you various adapters and back-up pads.

KGS has created the KGS RED™ range of tools especially for the construction market. With this range of tools we continue the KGS tradition of delivering high levels of performance and service, focused on construction professionals and tilers.

KGS remains committed to innovation, quality and precision, delivering the best value to the customer.

If you have specific wishes or questions, please contact us and we will be happy to advise you!

With kind regards,

KGS DIAMOND team

Colour system

The colour system indicates for which material the product is suited.

Hard stone	Granite, composite, basalt and other hard stones
Medium-hard stone	Concrete, roof tile, clinker and other medium-hard stones
Soft stone	Brick, marble, plaster, aerated concrete and other soft stones
Ceramic	Ceramic, porcelain and terrazzo
Asphalt	Asphalt, sandstone and fresh concrete

Pictogram legend

Technical specifications (all sizes in mm)

Machine type

Diameter

Dimension

Bore

Adapter

THK

Thickness

Segments

Segment height

Segment width

Packing unit

Use dry

Use wet

Speed

Quality range

Premium

Professional

Standard



Saw blades



Extremely long life!

KGS RED™ Diamond blades, the saw blades are available in the following diameters: 300, 350, 400 and 450 mm. Used wet or dry, the blades are sawing most hard materials such as concrete, pavers, bricks and roof tiles.

The saw blades for power cutters are suitable for the most common power cutters such as Husqvarna, Dolmar, Stihl, Wacker, and Makita.

KGS RED™ K101

SILVER LINE

Segmented - Turbo segments
Best for: Concrete, pavers, brick, roof tile

Benefits

- 10 mm high turbo segments
- Fast and precise cut
- Long lifetime



Ø350 x 25,4



Ø300 x 20

Product specifications

20 mm bore

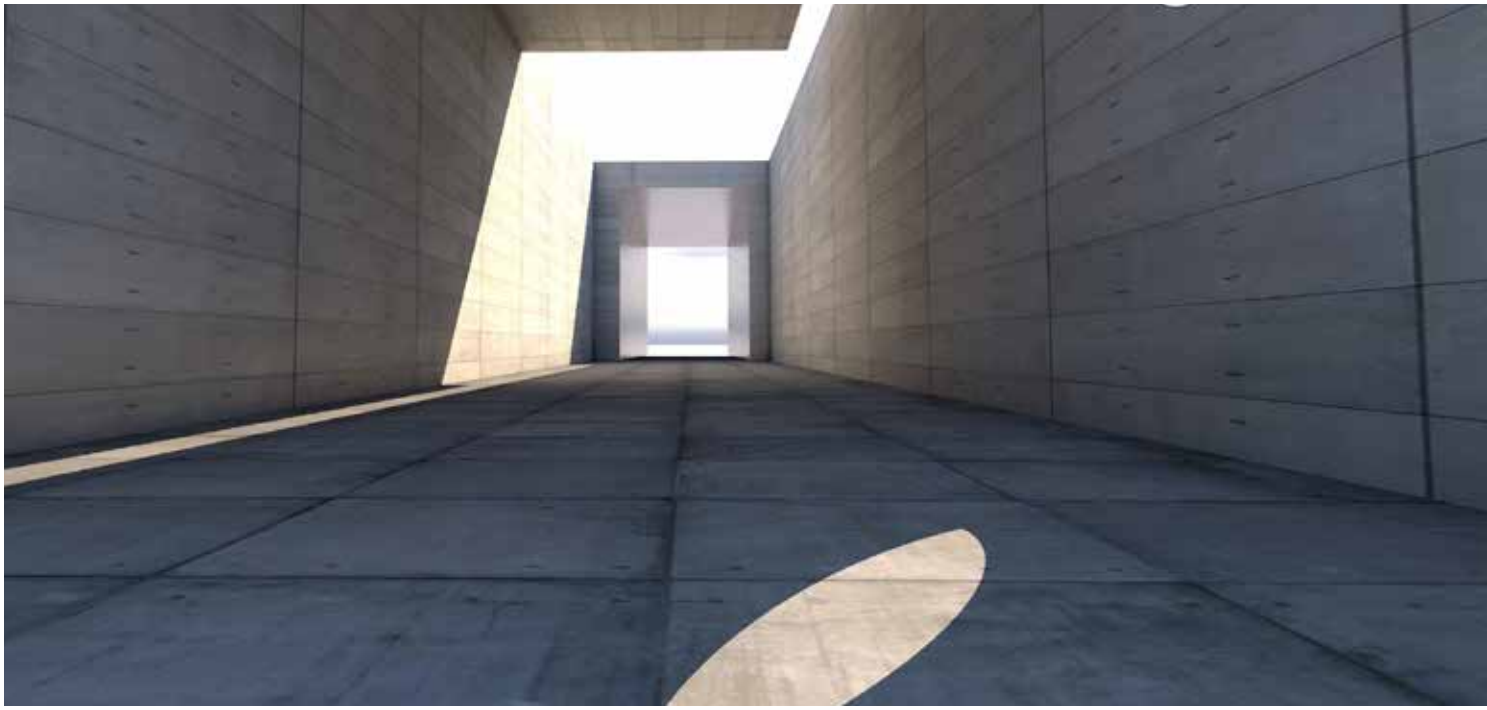
∅	Max.	THK			Art. no.
300	6360 rpm	3.0	10	20	40224
350	5460 rpm	3.2	10	23	40225

25.4 mm bore

∅	Max.	THK			Art.no.
350	5460 rpm	3.2	10	23	41709

Power cutters Use wet or dry 1 pcs.

1081



KGS RED™ K201

SILVER LINE

Segmented - Laser welded.
Best for: Concrete, pavers, brick, roof tile

Benefits

- 10 mm high laser welded segments
- Stable cutting
- Good lifetime



Ø450 x 25.4



Ø350 x 20

Product specifications

⌀ 20 mm bore

⌀	Max.	THK			Art. no.
300	6360 rpm	3.0	10	20	19562
350	5460 rpm	3.2	10	23	19563
400	4775 rpm	3.2	10	28	19564

⌀ 25.4 mm bore

⌀	Max.	THK			Art. no.
450	4775 rpm	3.2	10	32	19565

⌀ With bore bushings for shaft sizes 30, 25.4 & 20 mm

⌀	Max.	THK			Art. no.
300	6360 rpm	3.0	10	20	19581
350	5460 rpm	3.2	10	23	19582

Power cutters Use wet or dry 1 pcs.

1081

KGS RED™ K401

SILVER LINE

Segmented - Wear resistant.
Best for: Asphalt



Benefits

- Powerful blade to cut asphalt
- Excellent price-performance ratio
- Special segments to prevent undercutting and to protect the braze area and the steel

Product specifications

⌀ 20 mm bore

⌀	Max.	THK			Art. no.
300	6360 rpm	2.8	10	18	19571
350	5460 rpm	3.0	10	21	19572
400	4775 rpm	3.2	10	24	19573

⌀ 25.4 mm bore

⌀	Max.	THK			Art. no.
450	4250 rpm	3.2	10	27	19574

■ Power cutters Use wet or dry 1 pcs.

1081



KGS RED™ K801 GOLD LINE

Segmented - 15mm high.

Best for: concrete, pavers, brick, roof tile.



Benefits

- 15mm high turbo segments
- Sawing even faster and more precisely
- Extremely long life
- Supreme quality

Product specifications

⌀ 20 mm bore

⌀	Max.	THK			Art. no.
300	6360 rpm	3.2	15	19	19577
350	5460 rpm	3.2	15	22	19578
400	4775 rpm	3.2	15	24	31442

⌀ 25.4 mm bore

⌀	Max.	THK			Art. no.
350	5460 rpm	3.2	15	22	28093

Power cutters Use wet or dry 1 pcs.

1081



SAW BLADES FOR MASONRY SAWS

KGS RED™ K105 SILVER LINE

Laser welded - Reduced noise. Diamond saws for table and crosscut saws. Suitable for sawing of hard materials such as concrete, pavers, bricks and roof tiles.



Benefits

- Designed for table and crosscut saws
- Fast and precise cutting
- Excellent price-performance ratio
- Special steel body for reduced noise

Product specifications

∅	⌀	Max.	THK			Art. no.
350	25.4	5460 rpm	2.4	10	23	19583

Table and crosscut saws Use wet 1 pcs.

1081



KGS RED™ K805 GOLD LINE

KGS RED K805 Table Diamond Saw ø350x25,4 with sandwich core, the best low-noise saw blade with sandwich core for table and crosscut saws. Suitable for wet cutting of hard materials such as concrete, natural stone, bricks and tiles.



Benefits

- High segments for a long lifetime
- Faster cutting due to the turbo segments
- The sandwich core reduces the noise level of the blade
- Cutting hard materials, such as granite, concrete or clinker

Product specifications

∅	⌀	Max.	THK			Art. no.
350	25.4	5460 rpm	3.0	15	23	31575

Table and crosscut saws Use wet 1 pcs.

1081



KGS RED™ K309

SILVER LINE

Turbo Rim - Clean cut. Best for: Granite, engineered stone, ceramic, porcelain and terrazzo.



Benefits

- Suitable for most types of tile sawing machines
- Excellent lifetime
- Extra cooling holes
- Thin and precise cut

Product specifications

⌀ 25.4 mm bore

⌀	Max.	THK		Art. no.
180	8500 rpm	1.4	7	34429
200	7600 rpm	1.6	7	34430
230	6600 rpm	1.6	7	34431
250	6100 rpm	1.6	7	39832
300	6400 rpm	2.2	7	39833
350	5400 rpm	2.2	7	39835

Tile saw Use wet 1 pcs.

1082

KGS Bore Bushings

KGS Bore Bushings can be used to reduce the shaft hole of a saw blade depending on the size required for the machine.

⌀	22 / 20	25.4 / 15.87	25.4 / 20	25.4 / 22.2	30 / 22.2	60 / 25.4	60 / 30	60 / 50	60 / 50
Art. no.	21572	32901	21194	33298	33299	21381	24957	18713	26323



SAW BLADES FOR WALL SAWS

KGS RED™ K207 Diamond saw, available in diameter 300 and 350 mm. This saw blade is suitable for both wet and dry sawing of hard materials such as concrete, clinker stones, bricks and roof tiles.

KGS RED™ K207

GOLD LINE

Laser welded - Duo segments. Perfect for cutting recesses in brick or concrete walls. Available in Ø300 and Ø350 with matching shaft holes.

Benefits

- Designed for wall saws and cross cut saws
- 2.4 thickness for faster cutting
- Long lifetime
- Duo segments for better performance, cooling and material removal



Product specifications

⌀ 15.87 mm bore

⌀	Max.	THK			Art. no.
300	6360 rpm	2.4	10	36	27358
350	5460 rpm	2.4	10	42	27359

⌀ 25.4 mm bore

⌀	Max.	THK			Art. no.
350	5460 rpm	2.4	10	42	30456

Wall saw Use wet or dry 1 pcs.

1081

Dry cutting discs



Suitable blade for every job!

KGS RED™ Diamond blades for angle grinders. Are available in the following diameters: 115, 125, 150 and 230 mm.
These small diameter blades are designed to provide high performance on a wide range of construction materials. Whether your material is soft or hard, the KGS RED™
program has the correct blade for the job.

KGS RED™ K810 Diamond Cutting Disc

GOLD LINE

Quick and clean cut thanks a continuous rim with turbo profile. Diamond cutting disc with corrugated steel core, cooling holes and deep lateral protection segments. The protection segments permit a better free cut and less disc wear.

KGS RED™ K810 is available with bore 22.23 and M14 flange.
The M14 flange provides disc stability, flush cutting and quick change.

Benefits

- Universal disc
- Ribs on steel core for more stability
- Side spokes to prevent undercutting
- Long lifetime

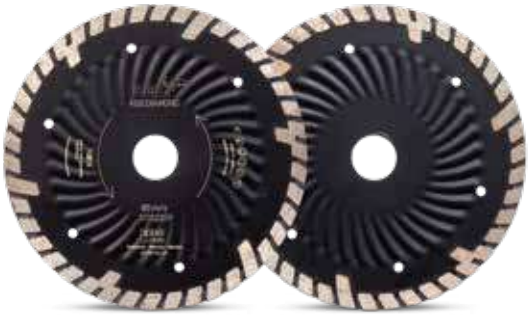
Product specifications

⌀ 20 mm bore

⌀	Max.	THK		Art. no.
150	10200 rpm	2.2	7	40924

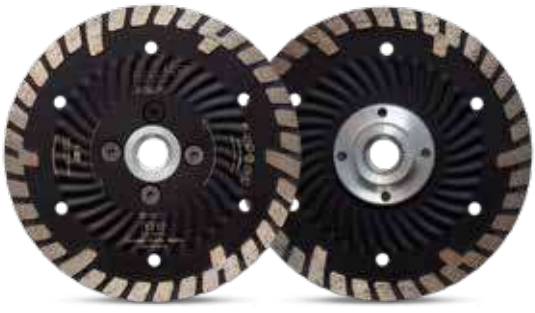
⌀ 22.23 mm bore

⌀	Max.	THK		Art. no.
115	13300 rpm	2.2	7	19384
125	12200 rpm	2.2	7	19385
150	10200 rpm	2.2	7	19387
230	6650 rpm	2.8	8	19388



M14 connection

⌀	Max.	THK		Art. no.
115	13300 rpm	2.2	7	19422
125	12200 rpm	2.2	7	19423
230	6650 rpm	2.8	8	19424



Angle grinder Use dry 1 pcs.

1082

KGS RED™ K822 SILVER LINE

Segmented - Laser welded
Best for: Concrete, pavers, bricks, roof tiles, granite, composite and lime bricks

Benefits

- Fast and aggressive blade
- Open segments to take dust and mud away
- Universal blade in the construction industry



Product specifications

⌀ 22.23 mm bore

⌀	Max.	THK		Art. no.
115	13300 rpm	2.5	10	19389
125	12200 rpm	2.5	10	19390
230	6650 rpm	2.8	12	19392

Angle grinder Use dry 1 pcs.

1082



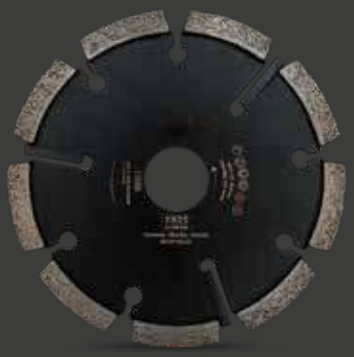
KGS RED™ K825

GOLD LINE

Segmented - Tuck pointing blades
Best for: Concrete, Pavers, bricks, roof tiles, granite, composite, sand-lime bricks, marble, aerated concrete, plaster

Benefits

- Grooving disc for mortar joints
- Thick blade (6,35 mm)
- Extra vertical slots to prevent undercutting



Product specifications

⌀ 22.23 mm bore

⌀	Max.	THK		Art. no.
115	13300 rpm	6.35	7	19410
125	12200 rpm	6.35	7	19411

Angle grinder Use dry 1 pcs.

1082



KGS RED™ K845 Diamond Cutting Disc GOLD LINE

Aggressive diamond cutting disc. Continuous rim with turbo profile ensures a clean cut. The KGS RED™ K845 is best for granite and engineered stone.

The KGS RED™ K845 is available with bore 22.23 and M14 flange.
The M14 flange provides disc stability and quick change.

Benefits

- Extra cooling holes
- Regular and stable cut
- Continuous rim
- Aggressive disc

Product specifications

⌀ 22.23 mm bore

⌀	Max.	THK		Art. no.
115	13300 rpm	2.5	10	19397
125	12200 rpm	2.5	10	19398
230	6650 rpm	2.8	12	19401



M14 connection

⌀	Max.	THK		Art. no.
115	13300 rpm	2.5	10	19425
125	12200 rpm	2.5	10	19426
230	6650 rpm	2.8	12	19427



Angle grinder Use dry 1 pcs.

1082

KGS RED™ K835 Diamond Cutting Disc GOLD LINE

Diamond cutting disc for dry cutting of hard stone, soft stone, ceramic, and engineered stone. Used in the "(kitchen) counter top" industry on cramic materials.

The KGS RED™ K835 is also available with M14 flange for disc stability and quick change. Reinforced flange permits quiet, low-vibration and excellent cutting results.

Benefits

- Powerful and clean cut
- Continuous rim for a thin, precise and accurate cut
- 10 mm height, very long service life
- Used on ceramic materials

Product specifications

⌀ 22.23 mm bore

⌀	Max.	THK		Art. no.
115	13300 rpm	1.4	10	19406
125	12200 rpm	1.4	10	19407
230	6650 rpm	1.4	10	34428



M14 connection

⌀	Max.	THK		Art. no.
115	13300 rpm	1.4	10	19428



Angle grinder Use dry 1 pcs.

1082

KGS RED™ K840

GOLD LINE

Diamond cutting disc, continuous rim with very narrow space between the segments. Ultra-thin 1.1 mm cut and no breakage of material.
Best for: ceramic, porcelain and engineered stone.

Benefits

- Ultra-thin 1.1 mm cut
- Fast cutting and no breakage of material
- Extra cooling holes
- Excellent on ceramic materials

Product specifications

∅	⌀	Max.	THK		Art. no.
125	22.23	12200 rpm	1.1	10	29574

Angle grinder Use dry 1 pcs.

1082





KGS RED™ K818

SILVER LINE

Universal diamond cutting disc, especially suitable for dense materials such as ceramic, engineered stone, and granite. Turbo profile permits fast and clean cutting.

Benefits

- Thin and precise cut
- Used in kitchen counter top industry
- Excellent lifetime
- Extra cooling holes

Product specifications

⌀ 20 mm bore

⌀	Max.	THK		Art. no.
150	10200 rpm	1.4	7	40918

⌀ 22.23 mm asgat

⌀	Max.	THK		Art. no.
115	13300 rpm	1.4	7	19402
125	12200 rpm	1.4	7	19403



Angle grinder Use dry 1 pcs.

1082

KGS RED™ K828

GOLD LINE

Continuous rim - Clean cut. Excellent for ceramic and porcelain.

Benefits

- Thin and precise cut
- Excellent lifetime
- Very common for tiles

Product specifications

⌀	Max.	THK		Art.no.
115	13300 rpm	1.5	7.5	19430
125	12200 rpm	1.5	7.5	19431



Angle grinder Use dry ⌀ 22.23 1 pcs.

1082

KGS RED™ K936

GOLD LINE

Unique high-tech electroplated diamond cutting disc. Excellent for cutting soft stones such as marble, limestone, and sandstone.

Benefits

- Very quick and precise cutting
- Electroplated segments with lateral protection
- Comfortable, safe, and simple cutting
- Long service life and high performance



Product specifications

⌀ 22.23 mm bore

⌀	Max.			Art. no.
115	13300 rpm	3	2.5	18172
125	12200 rpm	3	2.5	18173
180	8500 rpm	4	2.75	18174
230	6650 rpm	4	2.75	18175

M14 connection

⌀	Max.			Art. no.
125	12200 rpm	3	2.5	29493

Angle grinder

Use dry

1 pcs.

1007

KGS RED™ K935

SILVER LINE

High-tech electroplated diamond cutting disc. Excellent for cutting soft stones such as marble, limestone, and sandstone.

Benefits

- Quick and exact cutting
- Comfortable and safe cutting
- Easy to handle and long service life



Product specifications

⌀ 22.23 mm bore

⌀	Max.			Art. no.
115	13300 rpm	3	2.5	18169
125	12200 rpm	3	2.5	18170
180	8500 rpm	4	2.75	18171
230	6650 rpm	4	2.75	28495

Angle grinder

Use dry

1 pcs.

1007


RED
KGS
RED by KGS DIAMOND
Switzerland
EN 13236
Max. 12250 RPM
K936
Marble - Plaster
Aerated Concrete
Ø125*22,23

KGS Swiflex® Cobra

KGS Swiflex® Cobra cutting and grinding discs feature an **unique KGS design. The perfect tool for every stone , construction and tile worker.**

Robust combination blade for both cutting and grinding. Cuts and grinds on both sides at the same time (double sided version). Very suitable for chamfering, edging, surface grinding, deburring, grinding of flat surfaces, cutting of joints, grinding and removal of coatings, and modification of general building material.

Benefits

- Very quick cutting and grinding in one step
- Very fine cut with a smooth, high-quality finish
- Universally versatile, can handle anything
- Saw cuts provide a roughness that corresponds approximately to a 60 grit



GOLD LINE

Electroplated on both sides

⌀	Max.	Art. no.
115	13300 rpm	17696
125	12200 rpm	17697
230	6650 rpm	17699



SILVER LINE

Electroplated on one side

⌀	Max.	Art. no.
115	13300 rpm	17693
125	12200 rpm	17692
230	6650 rpm	17695



Angle grinders Use dry M14 1 pcs.

1083



Drills



Extremely powerful!

KGS RED™ Diamond core drills. Fast and efficient. Suitable for many different construction applications including hard materials such as terrazzo and concrete.

In addition, we offer a range of drills, suitable for ceramics composite and natural stone.

KGS RED™ K870

GOLD LINE

The KGS RED™ K870 drills can be used to install wall sockets. These drills are available in Ø68 and Ø82 mm. Both sizes are suitable for new machines with dust extraction from the rear.



Top view



Benefits

- Very aggressive due to diamond segment design
- Extremely fast
- Provided with holes at the back for dust extraction

Product specifications

Ø	Art. no.
68	16964
82	16965

Drilling machine | Use dry | M16 | 1 pcs.

1080

Accessories

KGS RED™ K996

- Adapter SDS+
- Centering drill
- Pen driver



KGS RED™ K997

- Adapter six sides
- Centering drill
- Pen driver



Product specifications

Individual parts	Art. no.
SDS+ adapter	34442
Adapter six sides	34439
Pen driver	34440
Centering drill	34441

Sets	Art. no.
KGS RED™ K996	38216
KGS RED™ K997	16968

1084

KGS RED™ K862

GOLD LINE

Segmented drills with 9 mm segment height. Best for: concrete, pavers, bricks, roof tiles. The drilling length is 400 mm.

Benefits

- Very aggressive due to diamond segment shape and position
- Extremely powerful
- Long lifetime when used wet



Product specifications

∅	Art. no.		∅	Art. no.	
16	34446	Crown	76	34453	Segment
18	34447		81	31112	
20	17001		86	34454	
22	34448		91	31499	
26	17002		101	17006	
30	17008		106	34455	
32	34449		111	30481	
35	17003		121	34456	
40	17004		126	34457	
46	34450	Segment	131	29604	
51	17009		141	34458	
56	34451		151	28967	
61	34452		160	34459	
66	17007		180	34460	
71	17005		200	34461	

Drilling machine Use wet 1/2"R 1 pcs.

1080

Accessories

Type		Art. nr
KGS RED™ K998	1/2"INT x 1 1/4 EXT	16966
KGS RED™ K999	1/2"INT x M16 EXT	16967



1 pcs. 1084



CERAMIC DRILLS

Quick and easy!

Powerful vacuum brazed drills, perfect for ceramic, also suitable for engineered stone and natural stone. The drills are provided with a wax inside to guarantee smooth drilling. They are available in Ø6, 8, 10 and 12 mm, the other larger sizes are provided with cooling holes.

Benefits

- For dry use
- Quick drilling
- Long lifetime

KGS RED™ K855 GOLD LINE

The drills have a M14 connection for use on an angle grinder.

Product specifications

∅	↕	Art. no	∅	↕	Art. no
6 x 10	35	30686	**43 x 10**	40	34528
8 x 10	35	30687	**45 x 10**	40	34700
10 x 10	35	30688	**50 x 10**	40	34529
12 x 10	35	31134	**55 x 10**	40	31139
20 x 10	40	30689	**65 x 10**	40	40405
27 x 10	40	31138	**68 x 10**	40	30691
35 x 10	40	30690	**72 x 10**	45	30692
38 x 10	40	34527	**100 x 10**	45	30693
40 x 10	40	34699	**105 x 10**	45	30694

Angle grinders | Use dry | M14 | 11000 rpm | 1 pcs.

1087



Sets KGS RED™ K855 diamond drills



KGS RED™ K855
4-piece set of diamond drills

Ø6, 8, 10 & 12 mm

Art. no. 31354 4 pcs.



KGS RED™ K855
6-piece set of diamond drills

Ø20, 35, 38, 43, 50 & 68 mm

Art. no. 33921 6 pcs.



KGS RED™ K855
8-piece set of diamond drills

- KGS RED™ K855 Ø6, 8, 10, 12, 20, 27 & 35 mm
- KGS tile drill guide 5-12 mm

Art. no. 40632 8 pcs.

Angle grinders Use dry M14 11000 rpm

1087



KGS RED™ K856

GOLD LINE

The drills have a hexagonal connection for use on a (battery) drilling machine.

Product specifications

Ø	↕	Art. no.
6 x 10	35	30677
8 x 10	40	30685
10 x 10	40	31130
12 x 10	40	31132

1 pcs.



Set of four KGS RED™ K856 drills

Ø6, 8, 10 & 12 mm

Art. no. 31355 4 pcs.

Hand drills | Use dry | Hexagonal | 2000-3000 RPM

1087



KGS RED™ K857

SILVER LINE

KGS RED™ K857 diamond drills are suitable for occasional wet drilling in ceramics. The attractive price/quality ratio makes the drills very suitable for every DIYer. The drills are equipped with a 6 mm shaft connection, suitable for use on any (battery) drill.

Benefits

- Easy drilling thanks to the thin wall of the drills
- Good cooling of the drills, ensures a long service life
- Minimal combustion and outbreak due to water supply

Product specifications

∅	Art. no.	∅	Art. no.
6	34396	22	34402
8	34397	25	34403
10	34398	32	34404
12	34399	35	34405
18	34400		



Hand drills Use wet 6 mm shaft

2000-3000 rpm 1 pcs.

1087

Accessories KGS RED™ ceramic drills

Type	Art. no.
Tile drill guide 5-12 mm	34412
Tile drill guide 6-80 mm	34413

1 pcs. 1084





Grinding



KGS RED™ diamond grinding discs

Available in the following diameters: 100, 115, 125 and 180 mm. These grinding discus are normally used dry. The discs have excellent grinding properties mostly on concrete, pavers and similar materials.

KGS Hybrid® T Diamond Flap Disc

SILVER LINE

KGS Hybrid® T diamond flap discs are made of a plastic body with metal bonded diamond flaps combined with silicon carbide flaps. The focus is on material removal and deburring, from rough grinding to fine grinding. Very well suited for chamfering, also suitable for edge and surface grinding. The KGS Hybrid® T grinds softer than the KGS Hybrid®.

Benefits

- Fast material removal
- Long service life
- Soft feel, clean finish with accurate chamfering and edging
- Comfortable and smooth grinding, reduced hand and arm vibrations compared to cup wheels
- Easy to use due to constant grinding pressure

Product specifications

60	120	400	200
18914	18915	18917	18916



Hand-held machine Nat of droog gebruik

115 22.23 1 pcs.

1085

KGS Hybrid® Diamond Flap Disc GOLD LINE

KGS Hybrid® diamond flap discs are made of a plastic body with metal bonded diamond flaps. This makes the discs very aggressive compared to the KGS Hybrid® T discs.

Material removal and speed of the KGS Hybrid® diamond flap disc is equal to that of cup wheels, however, the vibrations of the machine during use are much less. The flap discs are very suitable for material removal and deburring, from coarse to fine grinding. KGS Hybrid® flap discs can also be used for edge grinding, chamfering and for surface grinding.

Benefits

- Aggressive and very quick material removal
- Comfortable and smooth grinding, reduced hand and arm vibrations compared to cup wheels
- Very long service life
- Firm body and solid flaps give precise control
- Clean finish with accurate chamfering and edging
  Easy to use due to constant grinding pressure







Productspecifications

⌀ 22.23



50	60	120	200
27430	18911	18912	18913

M14



50	60	120	200
18941	18931	18932	18933

*The KGS Hybrid® flap disc grit 50 is officially accredited for working on Dekton® and other ceramic materials.

■ Hand-held machine Use wet or dry ⌀ 115 1 pcs.

1085 DEKTON

KGS Quick release nut M14

Art. nr.
21464





KGS RED™ K878 Diamond Cup Wheel

SILVER LINE

Diamond cup wheel with single-row turbo-profile segment arrangement. The turbo-profile segment pattern permits a long service life and good grinding performance. The grinding pattern/finish corresponds to a grit size of approximately ≤ 50. The M14 adaptor permits quick tool change.

The KGS RED™ K878 is ideal for material removal, grinding of surfaces, edges and corners, abrading uneven surfaces and top layers of surfaces, for low material removal rates, or light to medium-heavy applications.

Benefits

- For rough surfaces
- Powerful and aggressive cut
- Used on many types of construction materials
- Easy to handle tool

Product specifications

∅		Art. no.
100	15300 rpm	19486

Angle grinder Use dry M14

1 pcs.

1086



KGS RED™ K898 Diamond Cup Wheel

GOLD LINE

Diamond cup wheel with double row of segments and suction holes for professional use, long service life, and very good grinding performance. Grinding surface profile corresponds to a grit size of approximately ≤ 50. The M14 adaptor permits quick tool change.

The KGS RED™ K898 is ideal for material removal, grinding of surfaces, edges and corners, abrading uneven surfaces and top layers of surfaces. For professional, demanding work with a need for an extremely high material removal rate.

Benefits

- Double row segments for easy and powerful grinding
- Excellent quality
- Aggressive (i.e. can open a top layer)
- Great to level surfaces

Product specifications

⌀ 22.23 mm bore

⌀		Art. no.
125	15300 rpm	19485



M14 connection

⌀		Art. no.
125	12200 rpm	19489



Angle grinder Use dry 1 pcs.

1086

KGS RED™ K865 Diamond Cup Wheel

GOLD LINE

Diamond cup wheel with turbo segments.
Excellent results on soft stones.
The M14 adaptor permits quick tool change.

Benefits

- Universal and multi purpose
- Grinding and cutting
- Excellent results on soft stones
- Prefect grinding results



Product specifications

⌀		Art. no.
125	12200 rpm	19378

Angle grinder | Use dry | M14 | 1 pcs.

1086



KGS RED™ K888 diamond grinding wheel GOLD LINE

The powerful KGS RED K888 diamond grinding wheel with boomerang segments. These 7 boomerang segments are 51 x 24 mm and the width of the segment is almost 8 mm. The KGS RED K888 is very suitable for cutting thick concrete layers. The discs sands more smoothly with less vibration compared to other grinding wheels. The KGS RED K888 is suitable for leveling concrete, cutting less hard cement floors, leveling softer granite and also ensures clean edge processing.

Benefits

- Thanks to the Boomrang segment, the KGS RED K888 will sand smoothly
- Due to the excellent positioning of the 7 segments there is less vibration.
- Suitable for many different materials including concrete, granite and cement screeds.
- Thanks to the segment thickness of over 5 mm, there is a very good price to lifetime ratio.
- Very Aggressive on soft materials.

Product specifications

⌀ 22.23 mm bore

⌀		Art.no.
125	12250 rpm	40120

Hand-held concretegrinder Use dry

1 pcs.

1086



Manual



Problem Solver!

KGS RED™ Handpads universally versatile and suitable for many materials.

Precision diamond superabrasive within a nickel dot matrix. Ideal for grinding of small surfaces by hand. Extremely long lifetime when compared with conventional sandpaper.

KGS RED™ K736

SILVER LINE

Handpads - Grinding and polishing
Best for: Concrete, pavers, bricks, roof tiles, granite, composite, sand-lime brick, marble, aerated concrete, plaster, ceramic, porcelain, terrazzo, glass, wood, plastic, metal.

Benefits

- Practical and easy to use
- Extremely long lifetime compared to conventional abrasives
- Suitable for many materials

Product specifications

60	120	200	400
14972	14973	14974	14975



Manual
Use dry or wet
90x55 mm
1 pcs.
1083

Safety

Always read the safety instructions

Abrasive products improperly used can be very dangerous.

- Always follow the instructions provided on the product and by the machine supplier.
- Ensure that the abrasive product is suitable for its intended use. Always examine all products for damage when re-using or defects upon first use.
- Follow the correct procedures for handling and storage of the products.

Be aware of the hazards likely during the use of abrasive products and observe the recommended precautions to be taken

- Bodily contact with the abrasive product at operating speed
- Injury resulting from product breakage during use
- Grinding debris, sparks, fumes and dust generated by the grinding process
- Noise / vibration

Please refer to the relevant EN standard for detailled information.

- EN12413 for Bonded Abrasives.
- EN13236 for Superabrasives.
- EN13743 for Specific Coated Abrasives

Never use a machine that is not in good working condition or one with defective parts. Employers should carry out a risk assessment on all individual abrasive processes to determine the necessary protective measures. They should ensure that their employees are suitably trained to carry out their duties.

Work safe!


Wear eye protection (ISO 7010)


Wear a mask (ISO 7010)


Wear hearing protection (ISO 7010)


Wear gloves and necessary protective clothing.


Always take into consideration the correct provided working indications as wet, dry or hybrid tools.

Usage

Respect the maximum speed

Find the wheel's maximum speed rating, and don't surpass that speed. Exceeding the rated speed by even a small amount can result in considerable added stress on the wheel, putting operator safety at risk.

Reference speed conversion table

Maximim operating speed m/s

Speed of Rotation 1/m

Ø in mm

	16	20	25	32	35	40	45	50	63	80
6	51000	64000	80000	102000	112000	128000	143240	160000	201000	-
8	38200	48000	60000	76500	84000	95500	107430	120000	150500	191000
10	30600	38200	48000	61200	67000	76500	86000	95500	120500	153000
13	23550	29500	35600	47100	51500	58800	66500	73500	92600	118000
16	19100	23900	29850	38200	41800	47800	54000	59700	75200	95500
20	15300	19100	23900	30600	33500	38200	43000	47800	60200	76500
25	12300	15300	19100	24500	26800	30600	34400	38200	48200	61200
32	9550	11950	14950	19100	20900	23900	26900	30000	37600	48000
40	7650	9550	11950	15300	16750	19100	21500	23900	30100	38200
50	6150	7650	9550	12250	13400	15300	17200	19100	24100	30600
63	4850	6100	7600	9750	10650	12150	13650	15200	19100	24300
80	3850	4800	6000	7650	8400	9550	10750	12000	15100	19100
100	3100	3850	4800	6150	6700	7650	8600	9550	12100	15300
115	2700	3350	4200	5350	5850	6650	7500	8350	10500	13300
125	2450	3100	3850	4900	5350	6150	6900	7650	9650	12250
150	2050	2250	3200	4100	4500	5100	5750	6400	8050	10200
180	1700	2150	2700	3400	3750	4250	4800	5350	6700	8500
200	1550	1950	2400	3100	3350	3850	4300	4800	6050	7650
230	1350	1700	2100	2700	2950	3350	3750	4200	5250	6650
250	1250	1550	1950	2450	2700	3100	3450	3850	4850	3150
300	1050	1300	1600	2050	2250	2550	2870	3200	4050	5100
350/356	875	1100	1400	1750	1950	2200	2450	2750	3450	4400
400/406	765	960	1200	1550	1700	1950	2150	2400	3050	3850
450/457	680	850	1100	1400	1500	1700	1950	2150	2700	3400
500/508	615	765	960	1250	1350	1550	1750	1950	2450	3100
600/610	510	640	800	1050	1150	1300	1450	1600	2050	2550

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