

ROUGH GRINDING

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6.2 Diamond grinding discs

1-3

TECHNICAL INFORMATION AND PRODUCT INFORMATION

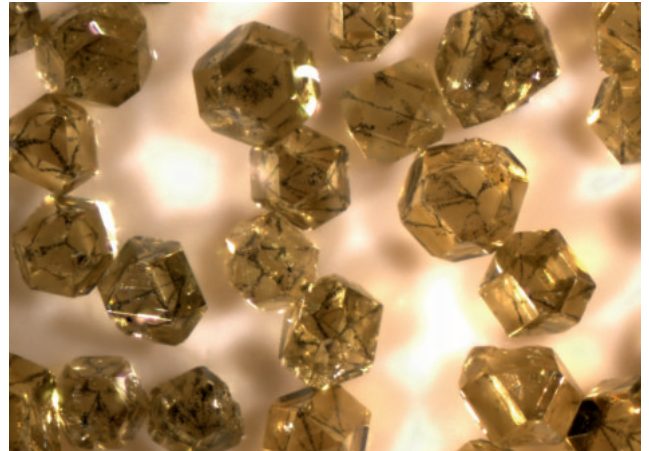
LUKAS diamond grinding discs**DIAMOND**

Diamond is the hardest material in the world. The type of diamond chosen depends on what it is used for. Only synthetic diamonds are used for the diamond grinding discs. Unlike natural diamonds, their properties can be reproduced and controlled.

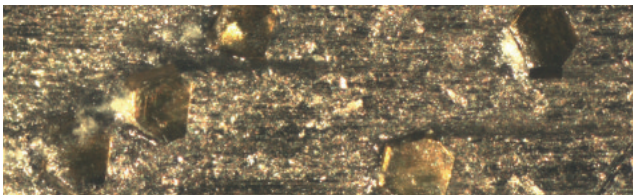
The following characteristics are significant when selecting diamonds:

- degree of purity
- defined fracture strength
- sharp edges
- consistent geometry

Diamonds are classified by quality levels and grit sizes.

**SEGMENT**

The segments consist of a diamond-embedded metal powder. The metal bond must be suited to the material to be cut. The metal powder consists of bronze, cobalt, iron, carbide, or tungsten carbide, for example. The various characteristics of the metal powder give the segment sharpness and the all-important wear resistance. The segment coating is produced by a sintering process. A hard bond is selected for abrasive construction materials, while a soft bond is needed for hard structural materials.

**SEGMENT GEOMETRY**

The patented forged segment geometry allows even tall segments to be arranged very close to each other. This significantly reduces vibration for the user. Another crucial advantage is safety. The dense, porelessly forged segments have welds that provide much more safety against fracturing compared to the usual sintered segments.

- universal and fast due to new types of alloys in the segments
- less vibration through trapezium segment geometry
- more safety due to segment feet that are poreless and provide the utmost safety against fracturing
- long tool life thanks to taller segments and slower rate of diamond shedding

APPLICATIONS

- Grinding of granite, Porphyry and Clinker bricks
- Grinding of Concrete products, reinforced concrete and exposed aggregate concrete
- Grinding of Bricks, masonry, roof tiles, sand-lime brick
- Natural stone

THE DIAMOND CUP WHEEL FOR UNIVERSAL USE

EFFICIENT AND FLEXIBLE GRINDING OF BUILDING MATERIALS

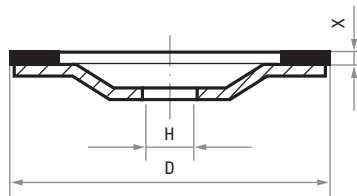
The diamond cup wheels are used with an angle grinder to create fine surfaces on granite building materials, artificial stone and concrete. The surrounding turbo grinding ring yields fine grinding results for finish work.

A diamond cup wheel grinds, rather than cuts through material. The Diamond cup wheels have segments which contain diamond crystals embedded throughout the segment for grinding through very hard materials

- Optimized bond and formula for longer life
- Optimized segment height minimizes dust and debris
- Turbo design for smooth, consistent finish
- Precision balanced – designed for less vibration and a smooth final grind for concrete
- Robust construction – more durable than bonded abrasive wheels
- Does not expire like typical bonded grinding wheels



- the inexpensive cup wheel for many different applications
- suitable for concrete products, building materials (brick, masonry, roof tiles, gas concrete, pumice), dense sand-lime brick and natural stone



★★☆

Product number	Description	D mm	Segment height X mm	H Thread	n _{max} rpm	Pack contains
7CB100140020003	100 M14 Diamond turbo grinding	100	5.0	M14	15,200	1
7CB180140020003	180 M14 Diamond turbo grinding	180	5.0	M14	8,400	1

Recommended for: ● Stone