

D-BLADE

DIAMOND BLADE SAW

Designed for cutting asphalt and concrete, **Simex D-BLADE 200** is a diamond blade floor saw with a cutting depth up to 220 mm - 8,6 inch.

Simex D-BLADE, designed for skid steer loaders, is suitable for making linear cuts on asphalt or concrete road surfaces and for creating expansion joints on continuous surfaces.

It is ideal for micro-trenching operations for the installation of fiber optic cables for traffic signal detection systems.



ADVANTAGES

- Precise, clean cuts
- Enhanced safety for operators
- Ideal for cutting and removal of concrete pavements, structures, and road curbs
- Totally self-contained carrying water on board
- Uses industry standard diamond blades

STANDARD BLADE

Cutting blade width	mm	4
	inch	0,16
Blade size (diameter)	mm	610
	inch	24
Maximum cutting depth	mm	220
	inch	8,6

COMPATIBLE BLADES

Maximum recommended cutting width	mm	6
	inch	0,23
Blade size range (diameter)	mm	460-610
	inch	18-24
Maximum cutting depth range	mm	145-220
	inch	5,7-8,6

OPERATING FEATURES

Depth adjustment		manual
Required oil flow	l/min	110-130
	gpm	29-34
Rotational speed	rpm	1500-2000
	Rated power	kW
	hp	68
	Water tank	l
gal		31
Weight (without water)	kg	380
	lbs	840

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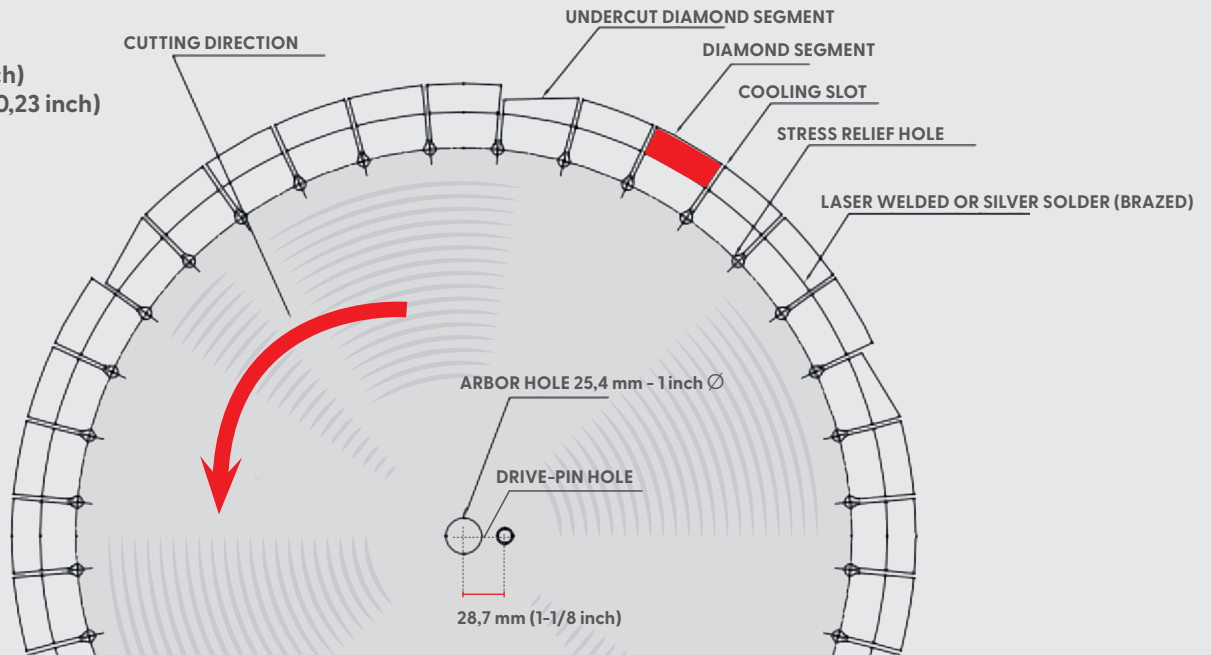
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HEAVY MADE EASY



CHARACTERISTICS OF DIAMOND BLADES FOR APPLICATIONS WITH D-BLADE 200

COMPATIBLE BLADE SIZES (DIAMETER):
460-610 mm (18-24 inch)
WIDTHS UP TO 6 mm (0,23 inch)



D-BLADE 200 operates with **SEGMENTED-RIM BLADES** (segmented crown) and for **WET CUTTING** applications

The blade rim is not continuous; it is divided into several metallic segments containing synthetic diamond grit. Between each segment there are slots (also called cooling gaps).

FUNCTION OF THE SEGMENTS

The segments are designed to:

- Improve blade cooling during cutting (the slots allow the passage of air or water);
- Facilitate the removal of debris from the material being cut;
- Reduce thermal deformation and uneven wear;
- Increase cutting speed, especially on hard and abrasive materials.

TYPICAL APPLICATIONS

Segmented-rim blades are used for cutting hard construction materials such as:

- Concrete
- Asphalt
- Bricks
- Natural or engineered stone

ADDITIONAL FEATURES AND BENEFITS:

- **Quick blade replacement:** minimizes machine downtime.
- **Front direction indicator:** ensures precise forward alignment during cutting.
- **Opening front guard:** facilitates vertical cuts and improves accessibility.

The equipment is **designed exclusively for use with diamond blades for wet cutting.**

The use of dry-cutting blades is not permitted.

Wet cutting provides numerous benefits in terms of performance, durability, and operational safety:

1. EFFECTIVE BLADE COOLING

Water reduces operating temperature, preventing deformation and overheating of the diamond blade.

2. LONGER TOOL LIFE

Continuous cooling limits wear of the diamond segments, extending the blade's service life.

3. MORE PRECISE AND CLEANER CUTS

Water lubricates the cutting zone, reducing vibration and chipping, especially on hard or brittle materials.

4. REDUCED DUST AND RESIDUE

Water drastically decreases the dispersion of fine dust, improving visibility and operator safety.