

Hammer drill bit
ULTIMAX



PERFORMANCES

Reinforced concrete	<div><div></div><div></div><div></div><div></div><div></div></div>
Concrete	<div><div></div><div></div><div></div><div></div><div></div></div>
Stone	<div><div></div><div></div><div></div><div></div><div></div></div>
Granite	<div><div></div><div></div><div></div><div></div><div></div></div>

6 cutting edges

with centering tip.
Does not bind in concrete.
Improved hole concentricity.



Long life

and robustness.
Perfectly controlled dust removal.
Reduced vibration.



SDS-max



ripple

DIAGER®



POWERFUL



Tungsten carbide
Self-centering
Chisel

Progressive
core spiral
Added steel

> Increased flexibility
> Quick **Evacuation**
of debris and chips

ripple **DIAGER®**

carbide
ring point
cooling effect

ULTIMAX



6 cutting edges
6 lateral supports



Resistance
ation
nd dust

- > Anti-blocking
- > Life span
- > Hole Calibration
to the diameter
- > Concentric hole

Complies
with PGM
Standards



For Professional Users Only !

The ULTIMAX hammer bit is designed for the professional. It has 6 cutting edges. It is *made in France* and meets all user requirements in terms of :

Robustness, Precision, Life Expectancy and Speed

ULTIMAX was developed by and for drilling professionals. Studies on material resistance and tests under extreme conditions have culminated in solutions to all mechanical constraints.

RESEARCH AND DEVELOPMENT

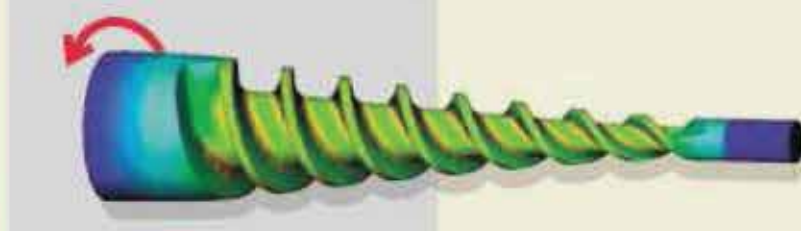
Resists *Flex*



► More Material

Flex exerted in the lower section of a drill bit is the most likely destructive factor. The progressive core of the spiral adds material and increases the rigidity in this area which is subjected to extreme pressure.

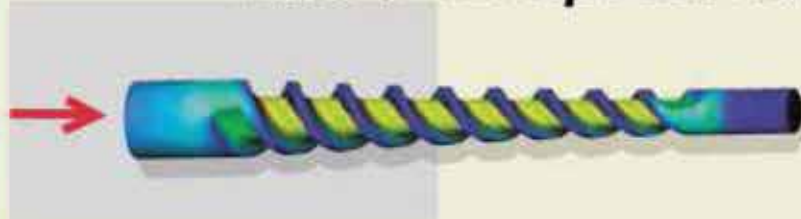
Resists *Torsion*



► Anti-blocking System

6 asymmetric cutting edges reduce the risk of blockage when in use on a particularly hard aggregate, or on rebar. The progressive core and the roundness of the flute allow optimal removal of dust and negates any risk of blocking due to dust accumulation.

Resists *Compression*



► Heat Treatment

The hardness of concrete combined with the power of the drill unite to create compression. The heat treatment of the body allows the energy of the drill to be concentrated on the tungsten carbide tip (whilst absorbing shock waves).

PERFORMANCES

Robustness

Long Life

Precision

Speed

Tested on B50 concrete with an ULTIMAX Ø 25mm x 540mm and a 5kg hammer drill on the CETOP* test bench.

* Technical Department for Drilling Tools.



+1000 HOLES

Concrete

Reinforced
Concrete

Stone

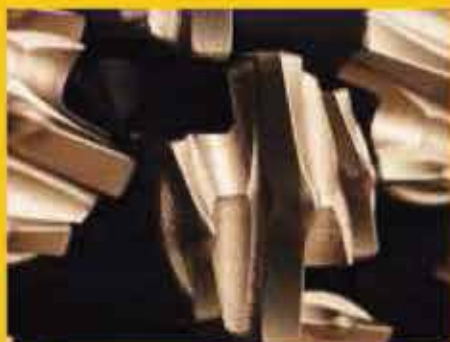
Granite

Hammer drill bit compatible SDS-max

**LONGER
LIFE
TIME**



**AVOID
RISK OF
BLOCKING**



Description

- 3 carbide tips with self-centering point.
- 6 cutting edges.
- Progressive flute.
- Compatible SDS-max shank.

Benefits

- Guarantee of perfect round and calibrated hole.
- Longer life time.
- Avoid risk of blocking.



**GUARANTEE
OF PERFECT
ROUND AND
CALIBRATED
HOLE**

Total Length (TL)



140 mm

Working Length (WL)

* One Tip						
Lengths	WL 200 x TL 340	WL 400 x TL 540	WL 550 x TL 690	WL 780 x TL 920	WL 1160 x TL 1300	WL 1300 x TL 1500
Dia mm	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
12*	166D12L0340*	166D12L0540*				
14*	166D14L0340*	166D14L0540*				
15	166D15L0340	166D15L0540				
16	166D16L0340	166D16L0540	166D16L0690	166D16L0920		
18	166D18L0340	166D18L0540	166D18L0690	166D18L0920		
19	166D19L0340	166D19L0540	166D19L0690	166D19L0920		
20	166D20L0340	166D20L0540	166D20L0690	166D20L0920	166D20L1300	166D20L1500
22	166D22L0340	166D22L0540	166D22L0690	166D22L0920	166D22L1300	
24	166D24L0340	166D24L0540	166D24L0690	166D24L0920		166D24L1500
25	166D25L0340	166D25L0540	166D25L0690	166D25L0920	166D25L1300	166D25L1500
26	166D26L0340	166D26L0540	166D26L0690	166D26L0920		
28	166D28L0340	166D28L0540	166D28L0690	166D28L0920	166D28L1300	166D28L1500
29		166D29L0540	166D29L0690			
30	166D30L0340	166D30L0540	166D30L0690	166D30L0920		
32	166D32L0340	166D32L0540	166D32L0690	166D32L0920	166D32L1300	166D32L1500
35	166D35L0340	166D35L0540	166D35L0690	166D35L0920	166D35L1300	
36	166D36L0340	166D36L0540	166D36L0690	166D36L0920	166D36L1300	166D36L1500
38	166D38L0340	166D38L0540	166D38L0690	166D38L0920		
40	166D40L0340	166D40L0540	166D40L0690	166D40L0920		166D40L1500
42	166D42L0340	166D42L0540	166D42L0690	166D42L0920	166D42L1300	166D42L1500
45	166D45L0340	166D45L0540	166D45L0690	166D45L0920	166D45L1300	166D45L1500



DIAGER, the partner you need.



Manufacturing

55 years of experience in the carbide tools manufacturing, 20 Million of tools made per year, 1st European manufacturer of concrete drill bits.

Focus

Diamond and carbide tools manufacturer specialized in construction and industry.

Deliveries

For better service, Diager has invested in a computerized storage system and optimizes its logistic supply chain.

Environment

For more than 10 years, the environment is a Diager preoccupation: all wastes are recycled. RoHS and REACH application.

Quality

ISO 9001 since 1993
ISO 14001 since 2000

New Delhi
Lucknow

Mumbai
Ahmedabad

Pune
Nagpur

Kolkata
Patna

Bangalore
Bhubaneswar

Chennai
Kochi



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