

Diamond Drilling The Ultimate Collection



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Product Service



Test witnessed and verified
by TÜV SÜD



Testimonial image is for illustration purposes only.

955.1920.104

All prices exclude VAT



MARCRIST, LEADERS IN DIAMOND CUTTING & DRILLING TECHNOLOGY

Designed to save you money!

For 30 years, Marcrist has been technology leader in diamond cutting, grinding and drilling.

It is the Marcrist philosophy, through continued research and development to create the most efficient diamond tools, which save you money by giving you the lowest costs per cut or hole!

We commissioned TÜV to witness the testing of Marcrist blades and cores and to certify the results. The results show that Marcrist are the quickest and most efficient of all the blades and cores tested, with the lowest cost per cut or hole. Compare our costs before you invest in any other product.

British tradition, European design with Swiss precision.

“**Marcrist do not only promise savings... we guarantee them!**”



Product Service

Test witnessed and verified
by TÜV SÜD

DIAMOND DRILLING A MUST FOR YOUR HEALTH

Exposure to vibration can lead to Hand Arm Vibration Syndrome (HAVS). The most well-known form of HAVS is Vibration White Finger (VWF). The HSE estimates that there are around 300,000 people in the UK with advanced stage VWF. **VWF has already led to more than £100,000,000 in compensation claims!**

Electro pneumatic hammers cause massive vibrations.

How do I reduce risk and liability?

HSE Recommends

“Consider job rotation or alternative working methods e.g., diamond drilling instead of hammer drilling!”

HILTI Recommends

“Consider different working methods e.g. diamond drilling instead of hammer drilling.”

BOSCH Recommends

“Consider job rotation or alternative working methods e.g., rotary (diamond) drilling instead of hammer drilling.”



HOW MANY HOLES CAN I DRILL PER DAY BEFORE (EAV) IS REACHED?

Ø82mm Limestone Concrete
B45/45 Newton 300mm depth

Electro Pneumatic Hammer

Makita type HR 4011- C AVT
Vibration Dampened
Ø 82mm TCT Core

1.3
Holes

Diamond Drilling

Marcrist DDM3 with drill stand DS150
Ø 82mm Diamond Core

605
Holes

Diamond Drilling

Marcrist DDM3 Hand Held
Ø 82mm Diamond Core

104
Holes

“ If a worker receives a hand arm vibration dose above ELV (exposure limit value), then immediate steps must be taken to reduce the exposure!
Working above this level will not be permitted! ”

Health & Safety Executive

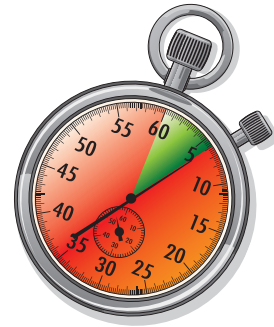
Vibration assessment by Fivesquared Vibration Management Solutions. Test February 2009

DIAMOND DRILLING A MUST FOR YOUR POCKET

Diamond drilling is accepted as the most efficient method of forming precision holes! Compared with conventional hammer and chisel, you **save 46 minutes** on every Ø125 mm hole!

Working test:

Hammer and chisel compared with diamond core, drilling a hole Ø125 mm/200 mm depth, reinforced concrete (B45, reinforcing Ø12 mm).



	Hammering	Diamond Drilling
Forming the hole	27 min	6 min
Making good	15 min	0 min
Cleaning and Plastering	10 min	0 min
TOTAL TIME	52 min	6 min

“ Using Marcrist Diamond Drills saves time, money and effort. Holes can now be drilled quickly and easily through even the hardest materials.

Jobs that had previously taken hours now only take minutes! ”



MARCRIST GUARANTEES UNRIVALLED WORLDWIDE

MARCRIST GUARANTEE



30 DAYS MONEY BACK GUARANTEE

Test a Marcryst machine for a month, if after that time you are not fully satisfied, we will give you your money back, **guaranteed**.

5 YEARS NO COSTS*

No repair costs whatsoever for 5 years from date of purchase!

- Servicing
- Safety check
- Worn parts
- Labour costs
- Return of product to you

ARE ALL TOTALLY FREE

LIFETIME MANUFACTURERS WARRANTY

Marcryst repairs or replaces totally free of charge during the entire life of the machine, all machines which suffer defects as a result of:

- Faulty materials
- Faults in manufacture
- Faulty workmanship**

* With Service Vouchers as opposite

** Subject to machine being serviced at appropriate intervals by Marcryst. If the machine has not been serviced, or has no service tokens, charges will apply.



FREE SERVICE VOUCHERS

Any machine is only as good as the cores which you use.

We reward you for using quality diamond cores.

With every Marcryst 850X core, you get a **FREE** Service Voucher.

Diamond machines need maintenance, service and repairs.

With Marcryst Service Vouchers, all service and repairs of Marcryst diamond drilling machines, including parts, labour and transport back to you are totally **FREE**.

DIAMOND DRILLING WITH NO SERVICE OR REPAIR COSTS

Number of vouchers needed for FREE repair, service, safety check, including all parts and labour:

- DDM2 - 10 Vouchers
- DDM3 - 15 Vouchers
- DDM4 - 20 Vouchers
- DS150 - 5 Vouchers
- DS250 - 7 Vouchers

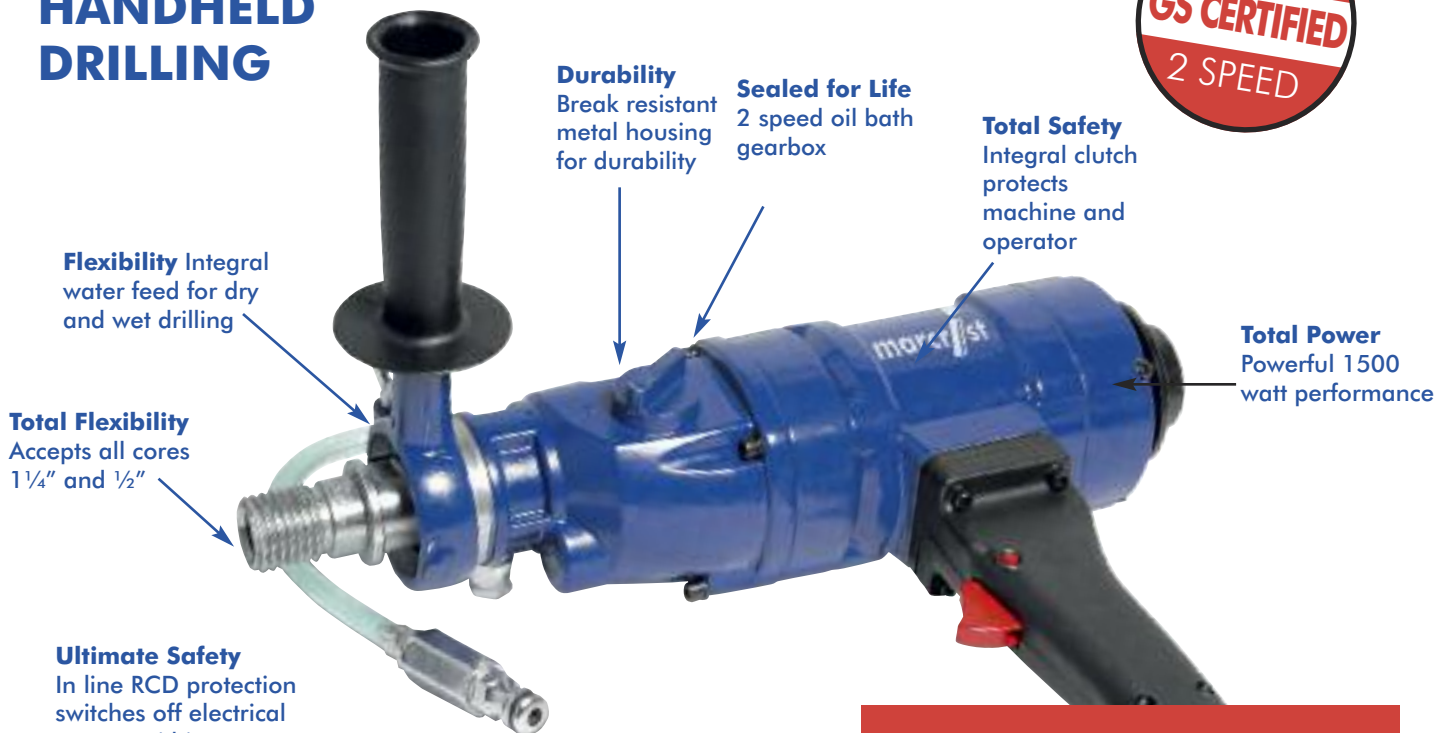
If you have insufficient vouchers, the repair costs will be reduced as a % of your vouchers.

i.e. DDM2 & 5 vouchers would equal 50% off the cost of repairs.



DDM2 THE PROFESSIONAL

2 SPEED FOR HANDHELD DRILLING



Flexibility Integral water feed for dry and wet drilling

Durability Break resistant metal housing for durability

Sealed for Life 2 speed oil bath gearbox

Total Safety Integral clutch protects machine and operator

Total Power Powerful 1500 watt performance

Total Flexibility Accepts all cores 1 1/4" and 1 1/2"

Ultimate Safety In line RCD protection switches off electrical current within milli-seconds (230V only).



Test witnessed and verified by TUV SUD

Product Service



Performance Data DDM2

Drilling capacity:	230V/110V
Masonry:	Ø 20 - Ø 200 mm
Concrete:	Ø 20 - Ø 152 mm
Power:	1500 watt
2 speeds:	950/2100 min ⁻¹
Gearbox:	Oil bath
Mechanical Protection:	Safety friction clutch
Electrical Protection:	In line RCD (240V)
Housing:	Metal
Water Feed:	Integral
Weight:	5.6 kg

Part No. 240V: 7700.001.001
Part No. 110V: 7700.001.002

DDM3

THE SUPER PROFESSIONAL

3 SPEED FOR HANDHELD & RIG MOUNTED DRILLING



Durability
Break resistant
metal housing
for durability

Sealed for Life
3 speed oil bath
gearbox

Total Safety
Integral clutch
protects
machine and
operator

Flexibility Integral
water feed for dry
and wet drilling

Total Power
Powerful 1500
watt performance

Total Flexibility
Accepts all cores
1 1/4" and 1/2"

Ultimate Safety
In line RCD protection
switches off electrical
current within
milli-seconds
(230V only).



Performance Data: DDM3

Drilling capacity:	230V/110V
Masonry:	Ø 10 - Ø 200 mm
Concrete:	Ø 10 - Ø 152 mm
Power:	1500 watt
3 speeds:	950/1800/3450 min ⁻¹
Gearbox:	Oil bath
Mechanical Protection:	Safety friction clutch
Electrical Protection:	In line RCD (240V)
Housing:	Metal
Water Feed:	Integral
Weight:	5.8 kg

Part No. 240V: 7750.001.001
Part No. 110V: 7750.001.002

DDM4

THE HEAVY WEIGHT

Total Flexibility

Accepts all cores 1 1/4" and 1/2"

Extreme

Break resistant housing

Total Power

Powerful 2450 Watt performance

Total Safety

Mechanical safety clutch protects machine and operator

Extreme

Heavy duty gearbox

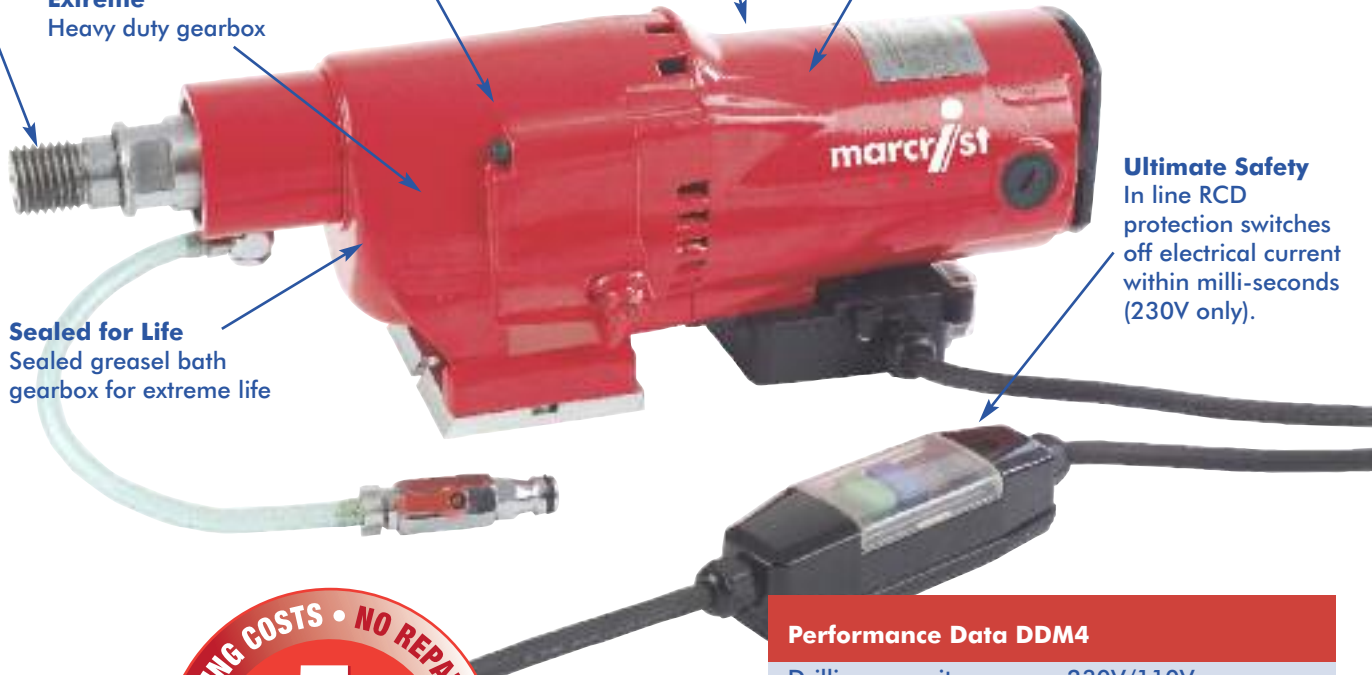
Sealed for Life

Sealed grease bath gearbox for extreme life



Ultimate Safety

In line RCD protection switches off electrical current within milli-seconds (230V only).



Performance Data DDM4

Drilling capacity:	230V/110V
Concrete:	Ø 250 mm
Masonry:	Ø 350 mm
Power:	2450 watt
2 speeds:	460/900 min ⁻¹
Gearbox:	Grease bath
Mechanical Protection:	Safety friction clutch
Electrical Protection:	In line RCD (230V)
Housing:	Metal
Water Feed:	Integral
Weight:	13 kg

Part No. 240V: 7760.001.001

Part No. 110V: 7760.001.002



Test witnessed and verified by TÜV SÜD

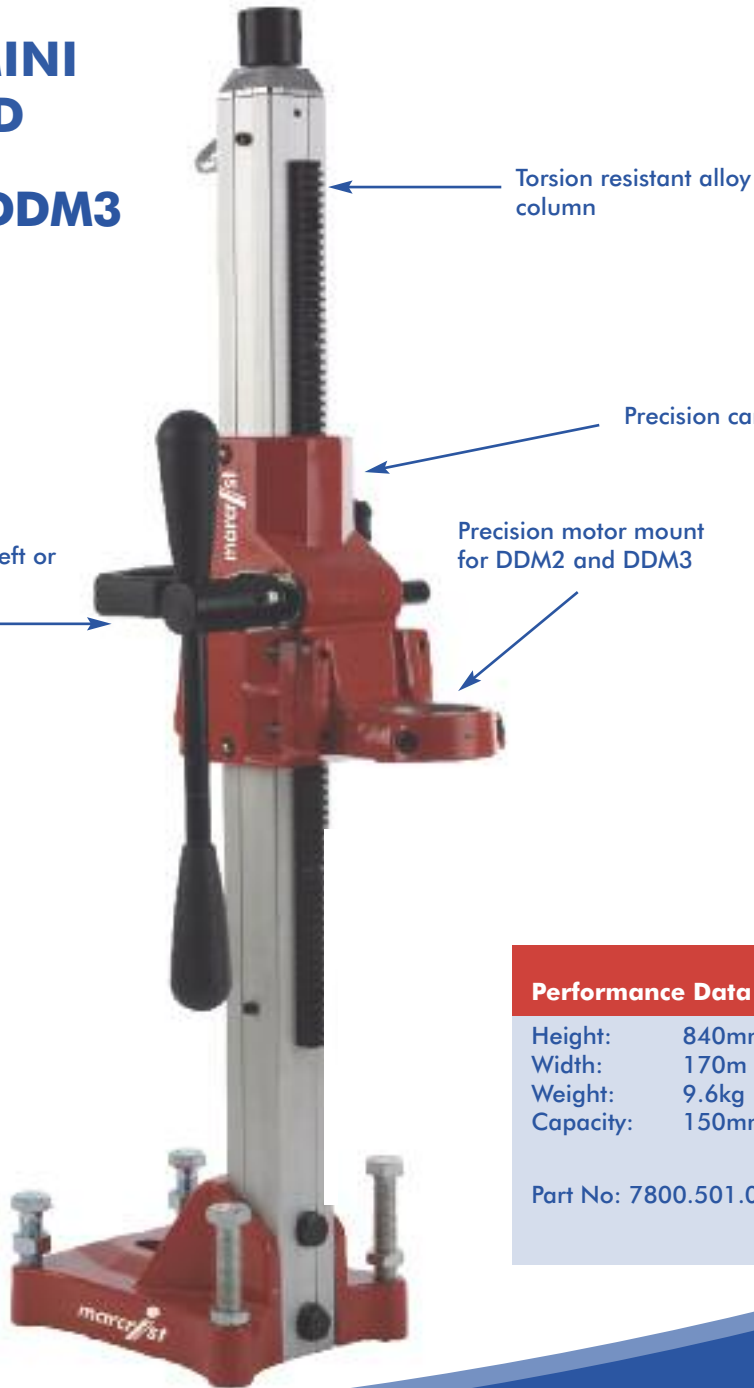


Product Service

DS150 COMPACT MINI DRILL STAND

FOR DDM2/DDM3

- Ultra light
- Ultra compact



Torsion resistant alloy column

Precision carriage

Precision motor mount for DDM2 and DDM3

Feed handle for left or right handed use



Bolt down alloy foot

CE

Performance Data DS150

Height: 840mm
Width: 170mm
Weight: 9.6kg
Capacity: 150mm

Part No: 7800.501.001



DS250 TITAN ALL AIRCRAFT ALLOYS

FOR DDM3/DDM4

- Alloy Construction
- 90° tiltable for angle drilling from 0 – 90°



Torsion resistant column

Precision carriage with micro adjustments

Stabiliser for ultimate stability

Combination foot for vacuum and bolt down

Transport wheels

Carrying handle

Micro precision adjustable feet



CE

Performance Data DS250

Height:	1000mm
Width:	270mm
Weight:	17kg
Capacity:	250mm
Includes:	Transport wheels, Vacuum foot

Part No: 7800.501.002

Photograph shows optional Quick Release Precision Motor Mount DS250. Sold separately.

MARCRIST COMPACT KIT



DDM3 + DS150

DS150 – Ultra light

Ø 150mm capacity

c/w motor mounting collar

DDM3 – 3 speed drilling motor 950/1800/3450 min⁻¹

Capacity Ø 152 mm Concrete, Ø 200 Brick

Transport case for DDM3 & Spanners

MARCRIST MIDI KIT



DDM3 + DS250 Titan

DS250 –

Ø 250mm capacity

c/w precision motor mounting collar, transport wheels,
vacuum and bolt down foot

DDM3 – 3 speed drilling motor 950/1800/3450 min⁻¹

Capacity Ø 152 mm Concrete, Ø 200 Brick

Transport case for DDM3 & Spanners



MARCRIST MAXI KIT

- Alloy Construction
- 90° tiltable for angle drilling from 0 – 90°



DDM4 + DS250 Titan

DS250
 Ø 250mm capacity
 c/w transport wheels, vacuum and bolt down foot
 DDM4 – 2 speed drilling motor 460/900 min⁻¹
 Capacity Ø 250mm Concrete Ø 350mm Brick
 Spanners

Photograph shows optional
 Quick Release Precision Motor
 Mount DS250.
 Sold separately.



DIAMOND DRILLING MACHINE COMPONENTS



Combination Anchor Set for Concrete & Brick
 C/W 3 re-usable anchors
 Part No 7800.001.001



Replacement Anchors
 Concrete & Brick (re-usable) 5pcs
 Part No 7800.001.003



Spanner Set (Wet Drilling)
 1 x 36mm (DDM4), 1 x 41mm (11/4")
 Part No 7800.001.014



Water Collection System c/w seals
 Ø 10 – 150 mm
 Part No 7800.001.004
 Ø 10 – 250 mm
 Part No 7800.001.005

Replacement Seals
 Ø 10 – 150 mm (set of 3)
 Part No 7800.001.006
 Ø 10 – 250 mm (set of 3)
 Part No 7800.001.007



Precision Motor Mount DS250
 For DDM2 + 3
 Part No 7800.200.003



**Quick Release
 Precision Motor Mount DS250**
 For DDM4
 Part No 7800.200.002



Vacuum Set
 DS250 Vacuum Seal/Vacuum Plug
 Part No 7800.100.005



DIAMOND DRILLING MACHINE COMPONENTS



Replacement vacuum seals for DS250 – 3 pieces
Part No 7800.001.010



Vacuum Pump
110 Volt Part No 7800.100.002
230 Volt Part No 7800.100.001



Water Pressure Bottle 11L
With 2 metre hose and connect coupling
Safety pressure release valve
Part No 7800.001.011

DIAMOND DRILLING ACCESSORIES FOR WET DRILLING



1/2" BSP(F) to 1 1/4" UNC(F)
Part No 340.100.0046



1/2" BSP(M) to 1 1/4" UNC(M)
Part No 340.100.0047



DCM1 & DD80 Hilti Machine - 1/2" BSP(F)
(replaces Hilti chuck to allow use of standard 1/2" BSP core drills)
Part No 340.100.0041



DD100, DD130, DCM1 & DD80 1/2" BSP(F) to Hilti Bayonet (converts standard 1/2" BSP(M) wet core to fit to Hilti bayonet system)
Part No 340.100.0044



1/2" BSP(M) to 1/2" BSP(M) Adaptor
Part No 340.101.0023



DCM1.5, DD160, DCM2 DD250 to 1 1/4" UNC(M) & 1/2" BSP(F) (replaces Hilti chuck to allow use of standard 1 1/4" UNC & 1/2" BSP core drills)
Part No 340.100.0040



Adaptor DDBU - UNC 1 1/4"
Part No 340.101.0059



Extension 200mm 1 1/4" UNC (F) to 1 1/4" UNC (M)
Part No 330.101.0004



Extension 300mm 1 1/4" UNC (F) to 1 1/4" UNC (M)
Part No 330.101.0005



Combi Core Guide Rod 16mm
Part No 340.101.0210



300mm Extension 1/2" BSP (F-M)
Part No 330.101.0002



THE CORES

Absolutely world breaking technology extremely fast, long life, high tech in every detail.

- Patented segment design
- Ultra precise
- Precision balanced
- Made in Great Britain for hard British concrete
- Swiss precision.

Mishaps can happen when diamond drilling, cores get damaged segments can tear off!

With conventional cores you bear the cost and write the core off!

Marcryst repair all Marcryst cores FREE*. We even pay the postage back to you.



*Providing the remaining segment height is not less than 4mm.

MARCRIST THE SUCCESS FORMULA!

Marcryst machines + Marcryst cores + 5 years no costs

THE PERFECT SOLUTION!

The machines	- 5 years no cost - Free maintenance - Free service - Free repairs
	+
The cores	- Extreme speed - Extreme life - Perfectly synchronised with the machines
	=
The result	- A system with outstanding performance.

No costs for 5 years and cores that offer the lowest cost per hole drilled.

OR YOUR MONEY BACK!



THE CORE GRADES

	Universal		Specials		Dry
	WET 	WET 	WET 	WET 	DRY 
Type	CCW850X	WCU850X	WF850X	WA850X	CCU850X
					
Application	Hand & Rig Mounted	Rig Mounted	Rig Mounted	Rig Mounted	Hand Held
Performance	Fast	Fast and Long Life	Fast and Long Life	Extreme Long Life	Extreme Speed
Ideal Machine Power	1500 – 2500 watt	1500 – 3000 watt	2500 – 3500 watt	1500 – 3000 watt	800 – 1500 watt
Materials	Standard Reinforced Concrete Concrete	Heavily Reinforced Concrete Concrete	Extremely Heavily Reinforced Concrete Flint	Asphalt Extreme Abrasive Materials	Lightly Reinforced Concrete Concrete
	Brick	Brick			Brick
	Block	Block			Block
	Granite	Granite			
	Engineering Brick	Engineering Brick			Engineering Brick
	Concrete Bricks	Concrete Bricks			Concrete Bricks
	Natural Stone	Natural Stone			Natural Stone
	Lintels	Lintels			Lintels
	Kalksandstein	Kalksandstein			Kalksandstein
	Poroton	Poroton			Poroton
Composite Brick & Concrete	Composite				
Concrete Pipes	Concrete Pipes			Concrete Pipes	

FREE CORE REPAIRS

MARCRIST CORE PERFORMANCE

To establish conclusively how Marcrist compare, we commissioned TÜV to witness the testing of Marcrist Cores and Machines against the best of the rest.

Ø 52mm		
Brand	Marcrist	Hilti
Motor	DDM3	DD100
Stand	DS150	DD80 RAL
Core Drill type	WCU	P4
Time per hole*	41 secs	64 secs

Marcrist 56% Faster

* Time per hole is average time of 100 holes.

Ø 102mm		
Brand	Marcrist	Hilti
Motor	DDM4	DD200
Stand	DS250	DDHD 30
Core Drill type	WCU	P4
Time per hole*	38 secs	57 secs

Marcrist 50% Faster

* Time per hole is average time of 100 holes.

Test Material

Concrete 65 Newtons

125mm depth

Limestone Aggregate



Product Service

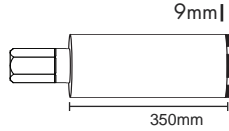
Test witnessed and verified
by TÜV SÜD

CORE PRICES

CCW850X

1 1/4" UNC (F)
Hand Held Wet Core

Concrete/reinforced concrete & all building materials.



Part No.	Ø mm	Length mm
262.142.0038	38	350
262.142.0048	48	350
262.142.0052	52	350
262.142.0060	60	350
262.142.0065	65	350
262.142.0072	72	350
262.142.0078	78	350
262.142.0082	82	350
262.142.0091	91	350
262.142.0102	102	350
262.142.0107	107	350
262.142.0112	112	350
262.142.0117	117	350
262.142.0127	127	350
262.142.0132	132	350
262.142.0152	152	350
262.142.0162	162	350
262.142.0181	181	350
262.142.0200	200	350

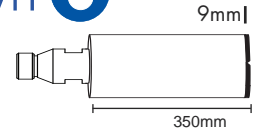


CORE PRICES

WCU850X Crown

1/2" BSP (M)
Hand Held/Machine
Mounted Wet Core

Concrete/reinforced concrete, flint concrete,
natural stone, & all building materials.



Part No.	Ø mm	Length mm
260.001.0012	12	200
260.001.0014	14	200
260.001.0016	16	200
260.001.0018	18	200
260.001.0020	20	350
260.001.0022	22	350
260.001.0024	24	350
260.001.0025	25	350
260.001.0026	26	350
260.001.0028	28	350
260.001.0030	30	350
260.001.0032	32	350
260.001.0035	35	350
260.001.0040	40	350
260.001.0052	52	350

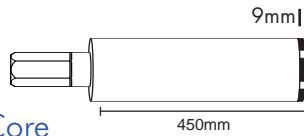


CORE PRICES

WCU850X

1 1/4" UNC (F)

Machine Mounted Wet Core



Drills: concrete/reinforced concrete, flint concrete, natural stone, & all building materials.

Part No.	Ø mm	Length mm
284.001.0052	52	450
284.001.0060	60	450
284.001.0065	65	450
284.001.0072	72	450
284.001.0078	78	450
284.001.0082	82	450
284.001.0091	91	450
284.001.0102	102	450
284.001.0107	107	450
284.001.0112	112	450
284.001.0122	122	450
284.001.0127	127	450
284.001.0132	132	450
284.001.0138	138	450
284.001.0152	152	450
284.001.0162	162	450
284.001.0178	178	450
284.001.0187	187	450
284.001.0200	200	450
284.001.0212	212	450
284.001.0225	225	450
284.001.0250	250	450
284.001.0300	300	450
284.001.0350	350	450
284.001.0400	400	450
284.001.0450	450	450



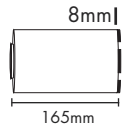
FREE CORE REPAIRS

CORE PRICES

CCU850X

1/2" BSP (F)

Dry/Wet Drilling



Drills: concrete/reinforced concrete, flint concrete, natural stone, & all building materials.

Part No.	Ø mm	Length mm
249.122.0022	22	400
249.122.0028	28	400
249.122.0032	32	400
249.122.0038	38	165
249.122.0048	48	165
249.122.0052	52	165
249.122.0060	60	165
249.122.0065	65	165
249.122.0072	72	165
249.122.0078	78	165
249.122.0082	82	165
249.122.0091	91	165
249.122.0102	102	165
249.122.0107	107	165
249.122.0112	112	165
249.122.0117	117	165
249.122.0127	127	165
249.122.0132	132	165
249.122.0152	152	165
249.122.0162	162	165
249.122.0181	181	165
249.122.0200	200	165

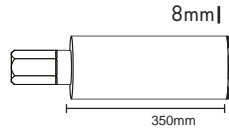


FREE CORE REPAIRS

CORE PRICES

CCU850X

1 1/4" UNC (F)
Dry/Wet Drilling



Drills: concrete/reinforced concrete, flint concrete, natural stone, & all building materials.

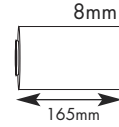
Part No.	Ø mm	Length mm
249.142.0038	38	350
249.142.0048	48	350
249.142.0052	52	350
249.142.0060	60	350
249.142.0065	65	350
249.142.0072	72	350
249.142.0078	78	350
249.142.0082	82	350
249.142.0091	91	350
249.142.0102	102	350
249.142.0107	107	350
249.142.0112	112	350
249.142.0117	117	350
249.142.0127	127	350
249.142.0132	132	350
249.142.0152	152	350
249.142.0162	162	350
249.142.0181	181	350
249.142.0200	200	350



PIPE DRILLING

CCU850X

1/2" BSP (F)
DryDrilling



Part No.	Ø mm	Length mm
249.122.0078	78	165
249.122.0091	91	165
249.122.0102	102	165
249.122.0112	112	165
249.122.0127	127	165
249.122.0138	138	165
249.122.0152	152	165
249.122.0162	162	165
249.122.0186	186	165
249.122.0200	200	165
249.122.0212	212	165
249.122.0225	225	165
249.122.0257	257	165

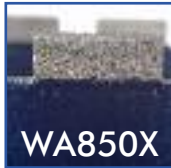
Accessories for Pipe Drilling

Part No.	Description
310.101.0015	300mm Pilot Drill
340.101.0023	Adapter 1/2" BSP(M) for 1/2" BSP(M)
350.101.0002	Drift Key
340.101.0115	300mm Guide Rod
340.101.0120	Core Extraction Tool

DIAMOND DRILLING SPECIALS



Extreme Reinforcing
Extreme Flint



Asphalt
Refractories



Special Size/Extra Length - Available on request

Re-tipping with Marcrist Guarantee

Re-tipping saves you money and helps the environment,

The Marcrist re-tipping service includes:

- Re-Balancing
- Re-Tipping
- Repair as required
- Dressing

Following the mechanical overhaul, the core comes with the Marcrist guarantee:

Free core repairs

Guarantee also on re-tips

Re-tipping prices apply to any brand of core!



DIAMOND DRILLING FREE TRAINING

Diamond Drilling Certificate

We herewith confirm that

.....
has attended a training course
in diamond drilling.

**MARCRIST INTERNATIONAL
LIMITED**

Signed..... Date:

Learn how to make the most of your Marcrist Diamond Drilling machine and its cores.

The purchase of every Marcrist DDM3 and DDM4 drilling machine entitles one operator to take part in a diamond drilling training course near you!

Ask your dealer for the next venues near you!

EXPERIENCE THE DIFFERENCE

Seeing is believing!

The quality and performance of Marcrist diamond machines and cores has to be seen to be believed.

Your professional Marcrist distributor offers in store displays, tests and demonstrations.

Alternatively, we will visit your site to drill in competition with your existing core.

If we cannot prove that Marcrist cores offer the lowest cost per hole.

You can have a Marcrist core **FREE!***

* Diameters 50mm – 100mm
of your choice!

FREE ONE MONTH TEST 30 DAY MONEY-BACK GUARANTEE

There are many, many diamond suppliers all claiming to supply quality.

The only way to see the difference is in trying!

This is why we give you your Marcryst machine and cores for a whole month to test.

If, having tested, you are not 100% satisfied, we will give you your money back.

TRAINING BOOKLET



With every Marcryst drilling machine you receive a comprehensive Diamond Drilling, problem solving manual **FREE!**

TECHNICAL HOTLINE



Marcryst has been the leader in diamond cutting, drilling and grinding technology for 30 years!

Our experts are only a phone call away.

Tel: 01302 893253

In most cases we will be able to help over the phone. If not, we will have someone on site and our visit is **FREE!**

