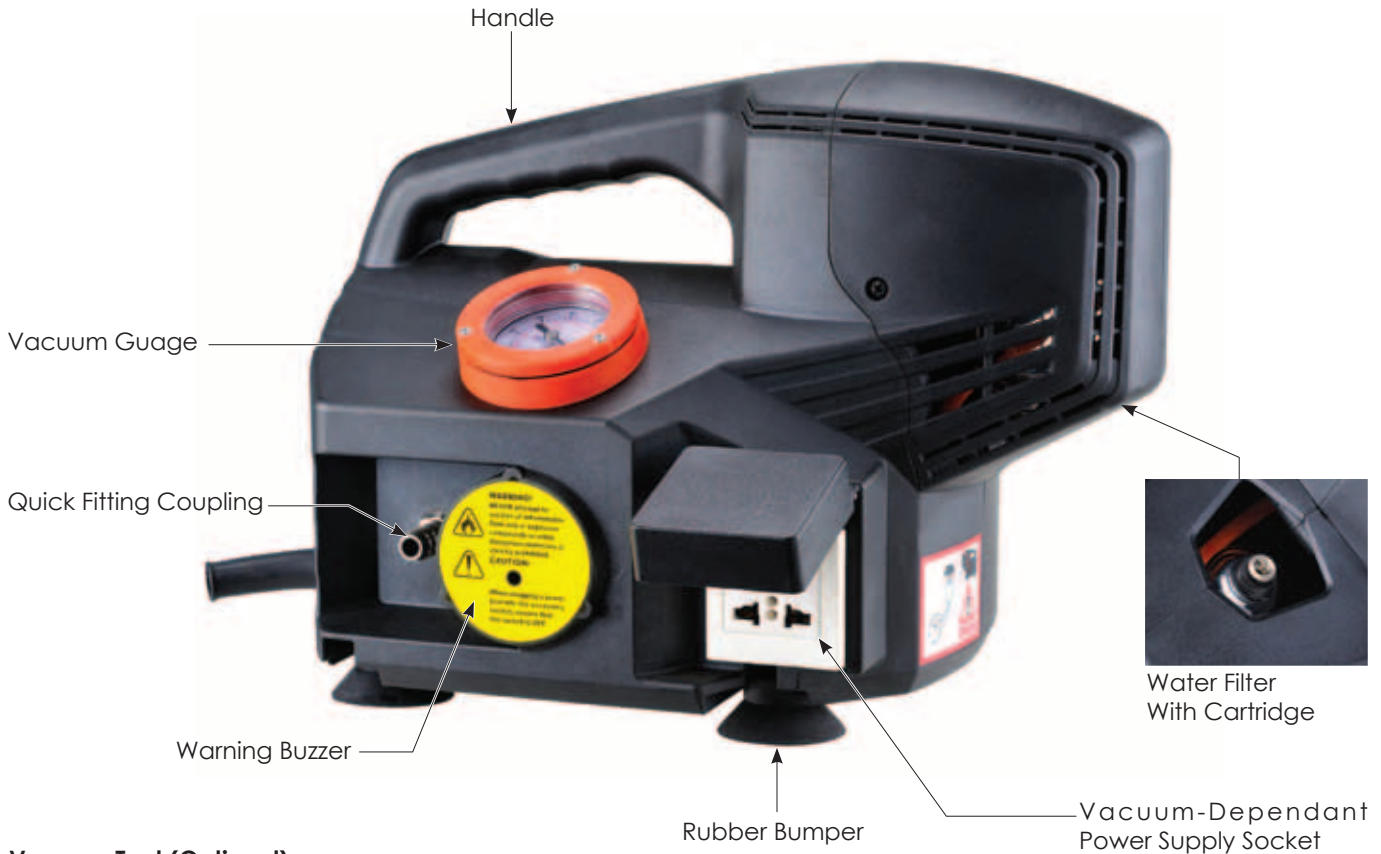


VACUUM PUMP

This purpose-built vacuum pump is specifically designed for use with power tools which are anchored by a vacuum base, such as vacuum base diamond core drilling rigs and others.

Traditionally there is always a safety concern due to the possible loss of vacuum during power tool operation. This machine has two powerful safety mechanisms which address this. The first is the warning buzzer which signals whenever the vacuum is less than 0.77 bar. The second is the vacuum-dependant power supply socket. The power tool is plugged into this power supply socket on the vacuum pump. This socket is only energized when the vacuum has achieved the pre-set minimum of 0.77 bar. If for any reason the vacuum is leaking, the power tool will have its power shut off and the warning buzzer will alert the operator.

This pump is also ergonomically designed with perfect weight balance for easy carrying.



Vacuum Tank(Optional)



Model	VP140
Power Input	200W
Voltage	110-120V~ 50-60Hz, 220-240V~ 50-60Hz
Air Flow	30.5 l/min (1.07cfm)
Max. Vacuum	-0.9 bar (-13 psi)
Protection	IPX4
Dimensions	310mm x 238mm x 250mm
Net Weight	6.7kg (14.74 Lbs)(Not including Power Supply Cord)

STANDARD ACCESSORIES

* Air Hose 2.5M

OPTIONAL ACCESSORIES

* Vacuum Tank (Includes Air Hose 1M)

TILE CORE DRILL MACHINE

Our **TC100** is an all-new solution for on-site drilling of tiles which have already been laid. Ideally designed to be used in conjunction with our VP140 Vacuum Pump, The machine mounts directly to the floor for super fast and accurate drilling up to 100mm holes in even the hardest tiles like porcelain and granite. The vacuum base and stand offer excellent guidance for safe and perfectly aligned drilling. Purpose-built for wet drilling with sintered core bits, the TC100 is equipped with integrated water feed and PRCD interrupter. A two speed gearbox and adjustable height slide allow a wide range of diamond core bits to be used. A water collector ring with vacuum port is included to minimize mess. It also includes a built-in, spring-loaded centering pointer. Drilling tiles has never been easier.



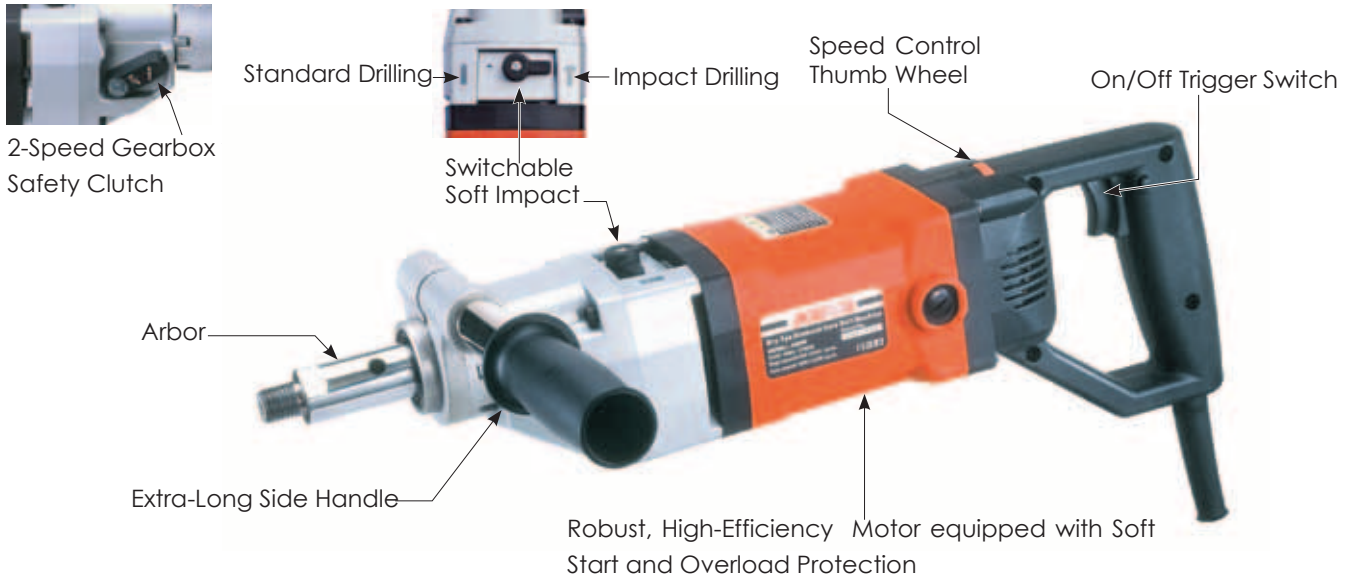
Model	TC100
Power Input	1100W
Voltage	100-120V~ 50-60Hz, 220-240V~ 50-60Hz
No Load Min ⁻¹	1000 / 2000
Capacity	100mm (4")
Max. Core Bit Length	145mm
Effective Stroke	110mm
Arbor Thread	1/2"BSP
Dimensions	291 mm X 234mm X 320mm
Net Weight	10.5kg



- STANDARD ACCESSORIES**
- * T-Handle Hex Key M6
 - * L-Hex Key M2.5
 - * M8 Combination Wrench
 - * M32 Open-End Wrench
 - * PRCD Interrupter
 - * Vacuum Base Seal (5 pcs)
 - * Water Collector Ring

WET+DRY DIAMOND CORE DRILL

The DM80 is an extremely versatile and useful hand-held diamond core drill. It is very easy to handle since it weighs only 3.8kg. Whether one needs to wet drill hard concrete or dry drill brick, the same machine can be quickly and easily converted to do the job. Drilling is made easier with the soft impact function. The 2 speed gearbox plus the speed control thumb wheel allows a variety of bit sizes and materials to be drilled. For protection, there is a mechanical safety clutch. The motor has soft start and overload protection.



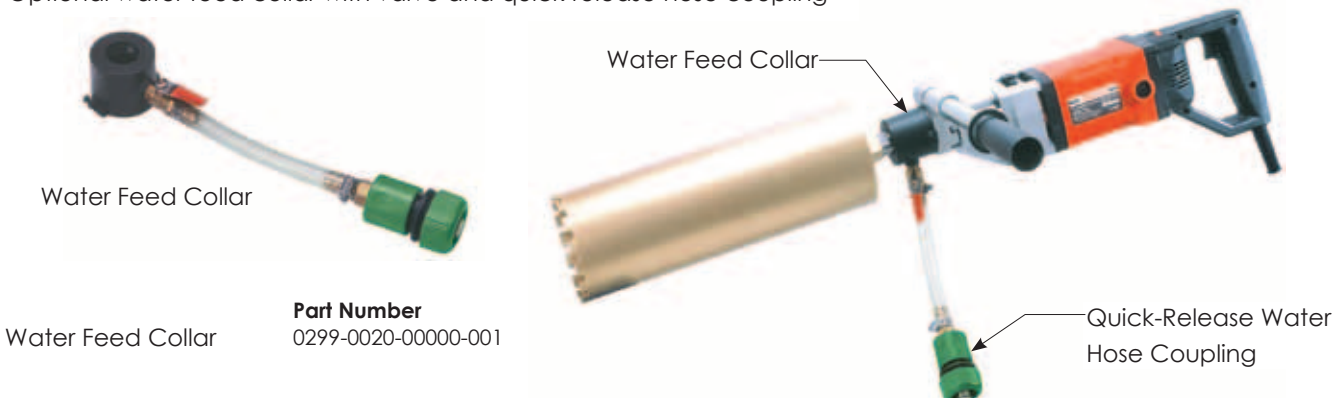
■ Dry Drilling Set-Up (Optional)

Optional dry drilling vacuum collar with bayonet hose connector for through-the-spindle dust collection.



■ Wet Drilling Set-Up (Optional)

Optional water feed collar with valve and quick-release hose coupling



■ Quick-Release Adaptor (Optional)

Quick-Release Adaptor for fast, Tool-Free Switching of Diamond Core Drills and Pilot Drills.



Quick-Release Adaptor

Female M16*P2.0 / Male M16*P2.0

Female M18*P2.5 / Male M18*P2.5

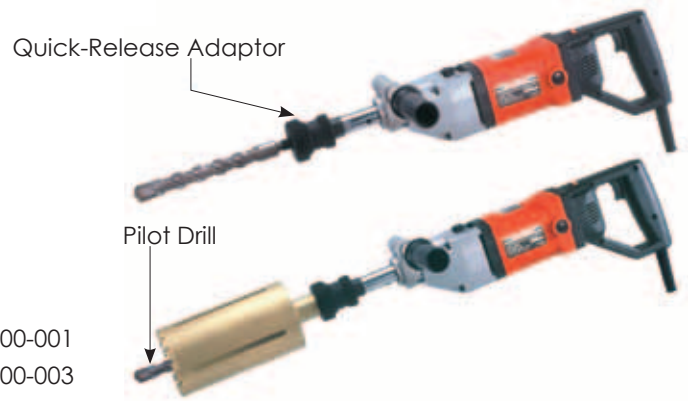
Female 1/2" x Female 1/2"

Part Number

0299-0064-00000-001

0299-0064-00000-003

0299-0064-00000-004



■ Long Extension Arbor (Optional)

The long extension arbor is useful for drilling in hard to reach areas and also with short core bits. Precision machined for concentricity.



Thread

M18*P2.5 Female & M16*P2.0 Male

Effective length 320mm

Part Number

302-04311-903-001

■ Vacuum Collector Pad (Optional)

This device adheres to the wall by vacuum cleaner suction and very effectively collects the dust or water right at the source. Various rings are available for different core sizes.



Vacuum Collector Pad (small)



Ring Set



Vacuum Collector Pad (large)



Ring Set

	Part Number
Vacuum Collector Pad Set (small)	0299-0113-00000-002
Vacuum Collector Pad (small)	303-02025-004-002
Ring Set (D45)	303-02034-004-003
Ring Set (D55)	303-02034-004-004
Ring Set (D65)	303-02034-004-005
Ring Set (D75)	303-02034-004-006

	Part Number
Vacuum Collector Pad Set (big)	0299-0113-00000-001
Vacuum Collector Pad (big)	303-02025-004-001
Ring Set (D110)	303-02034-004-001
Ring Set (D130)	303-02034-004-002



Model	DM80N
Power Input	1200W
Voltage	110-120V~ 50-60Hz, 220-240V~ 50-60Hz
No Load min ⁻¹ Speed 1	500~1700
No Load min ⁻¹ Speed 2	700~2500
Capacity (Brick)	160mm (6-1/4")
Capacity (Concrete)	80mm (3")
Spindle	M18 or M16 (Specify when ordering)
Switchable Soft Impact	With
Soft Start & Overload Protection	With
Mechanical Safety Clutch	With
Neck Diameter	43mm
Net Weight	3.8kg (8.36Lbs)

STANDARD ACCESSORIES

- * Wrench M19/21
- * Side Handle
- * PRCD Interrupter

OPTIONAL ACCESSORIES

- * Water Feed Collar W/ Valve & Coupling
- * Dry Vacuum Collar W/ Bayonet Connector
- * Vacuum Collector Pad
- * Long Extension Arbor
- * Quick-Release Adaptor

DIAMOND CORE DRILLING MACHINE

Our all-new **DM6P** and **DM6D** are the first in our new premium line of diamond core drilling machines and bring a whole new level of seriousness to the jobsite. No detail was overlooked when we designed these to be the most dependable, heavy-duty and efficient machines possible. The all-new super-performance motors are more efficient than ever before. The all-metal construction allows for both improved cooling and increased durability. The smart electronic motor control includes soft start, current and thermal overload as well as a very useful load indicator light. The tough construction also extends to the three speed oil bath gearbox, with mechanical clutch and integrated water feed system. The 60mm mounting neck can also mount into a rig for even larger drilling jobs. The two-in-one spindle offers both 1-1/4" UNC and 1/2" BSP and has a built-in anti-sieze ring. For electrical safety we include the PRCD interrupter. If you're a professional and you need the best of the best, then look no further.

■ Pistol-Handle Model (DM6P)

All-metal construction for optimized cooling and durability

Side Handle Lock Screw

Spindle 1-1/4" UNC & 1/2" BSP

Three speed oil bath gearbox with clutch

Adjustable Side Handle

On/Off Trigger Switch

Water Supply Kit with Quick-Release Water Hose Coupling

Built-in levels

All-new super-performance motors

Built-in levels

Smart Electronic Control with soft-start, thermal protection, overload and Indicator Light

Indicator Light

■ D-Handle Model (DM6D)

All-metal construction for optimized cooling and durability

Spindle 1-1/4" UNC & 1/2" BSP

Adjustable Side Handle

Three speed oil bath gearbox with clutch

Built-in Levels

On/Off Trigger Switch

Built-in Levels



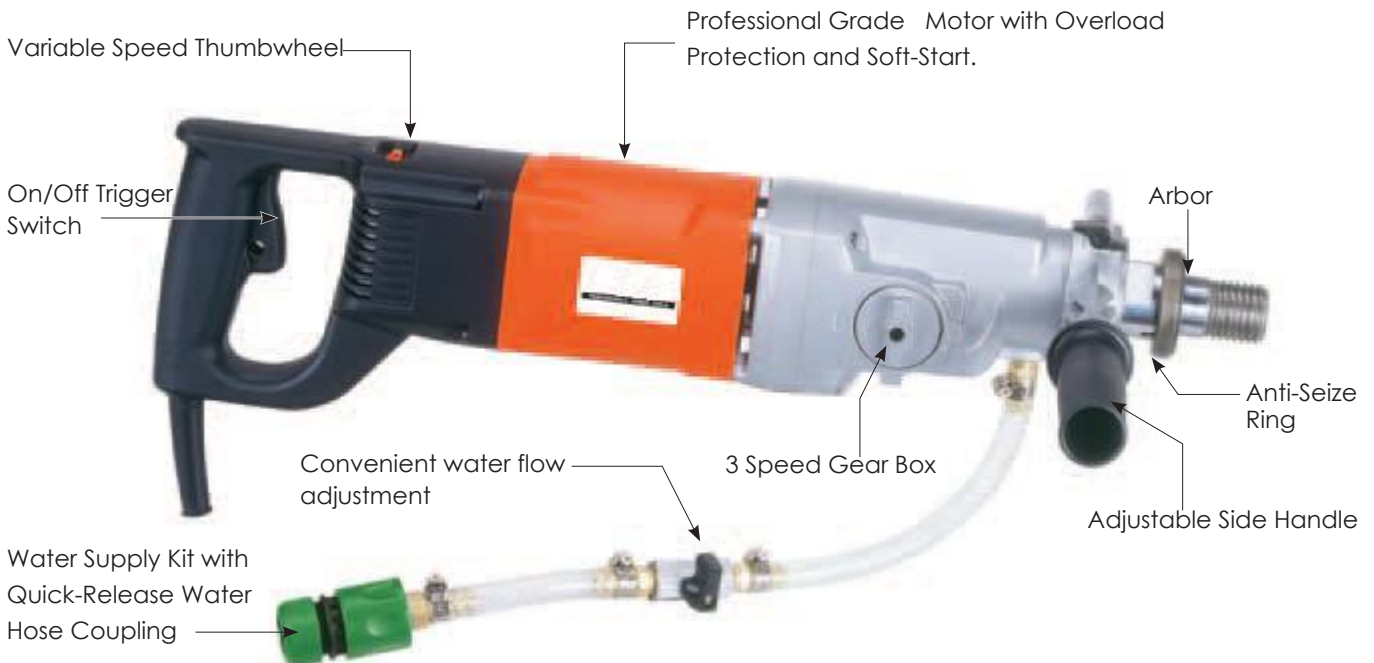
Model	DM6P	DM6D
Power Input	110-120V: 1700W, 220-240V: 2000W	
Voltage	110-120V~ 50-60Hz, 220-240V~ 50-60Hz	
No Load min ⁻¹	930 / 1520 / 4270	
Capacity	Hand-Held: 80mm (3") Rig-Mounted: 160mm (6-1/4")	
Arbor Thread External / Internal	1-1/4" UNC & 1/2" BSP	
Neck Diameter	60mm	
Dimensions	437mm X 115mm X 289mm	528mm X 106mm X 145mm
Net Weight	6.4kg (14 Lbs.)	

STANDARD ACCESSORIES

- * Side Handle
- * Water Supply Kit
- * M32 Combination Wrench
- * PRCD Interrupter

WET + DRY DIAMOND CORE DRILL

The DM160 is built as a heavy duty wet or dry diamond core drill. It is made to be easily converted from wet to dry use by removing the water seal mounted at the front of the gearbox. The 3 speed gearbox provides the ideal cutting speed and maximum torque. The slip clutch and electronic overload protection provide safe, hassle free drilling.



■ Quick Change Conversion to Wet or Dry.

■ Dry Core Drill Mode



■ Wet Core Drill Mode

Mounted To The Optional Rig (See P78)



Model	DM160	
Power Input	110-120V:1800W, 220-240V:2200W	
Voltage	110-120V~ 50-60Hz, 220-240V~ 50-60Hz	
No load min ⁻¹	Speed 1	400-850
	Speed 2	750-1640
	Speed 3	1550-3450
Capacity	Hand-Held	150mm (6")
	Rig-Mounted	200mm (8")
Arbor Thread	Male: 1-1/4" - 7 UNC and Female: 1/2" BSP	
Neck Diameter	60mm	
Dimensions	552mm x 110mm x 150mm	
Soft Start & Overload Protection	With	
Net Weight	6.0 kg (13.2 Lbs)	

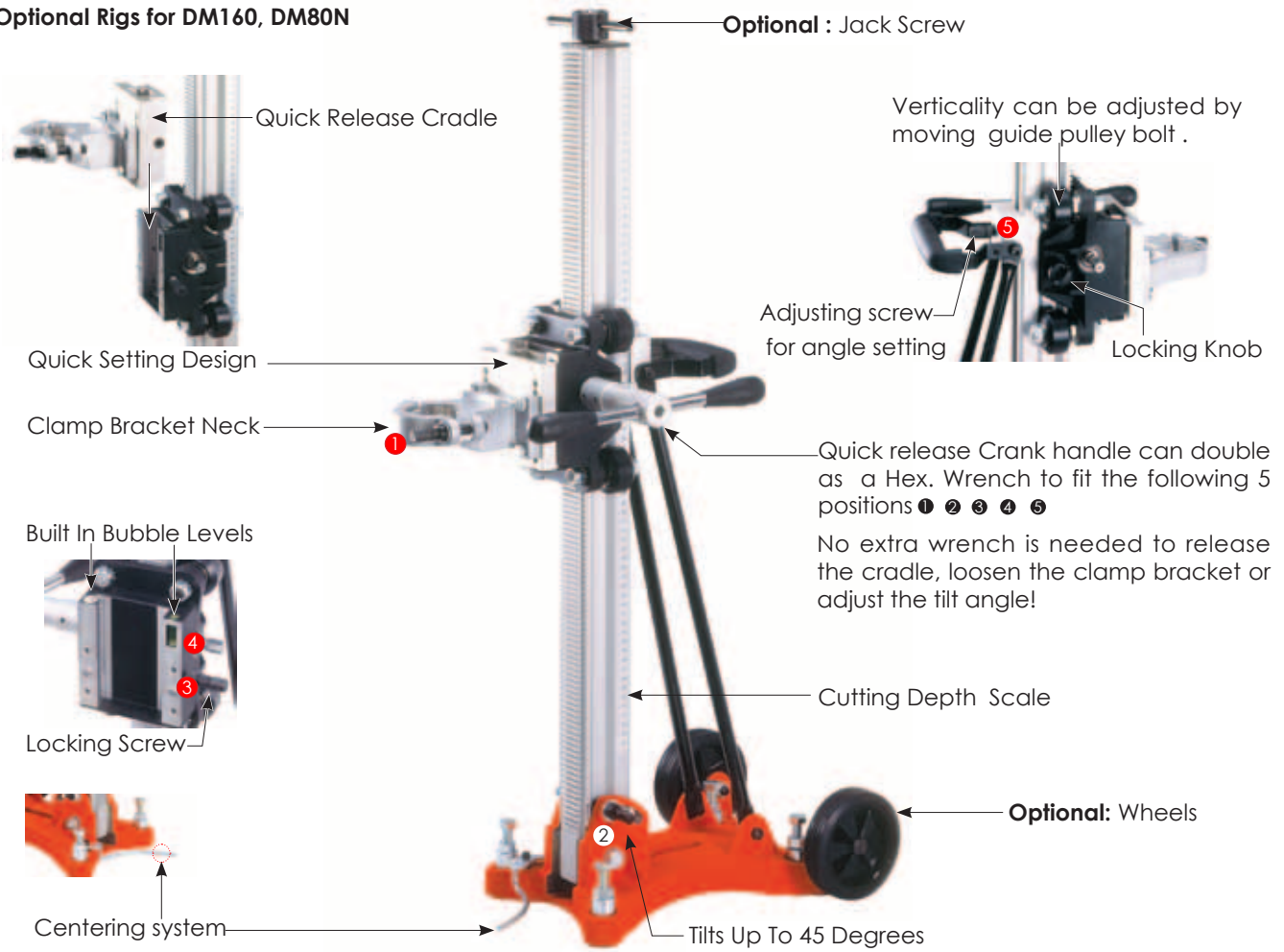
STANDARD ACCESSORIES

- * Water Supply Kit
- * Side Handle
- * M 32 Combination Wrench
- * PRCD Interrupter

OPTIONAL ACCESSORIES

- * Dry Arbor Adaptor

■ **Optional Rigs for DM160, DM80N**



■ **Quick release cradle accepts Clamp bracket neck diameter 60mm , 44mm.**



Rig for DM80N



Rig for DM160

Dimensions

36 x 24 x 96cm
36 x 24 x 96cm

Application

DM160
DM 80N

Neck Diameter

60mm
44mm

DIAMOND CORE BITS & OPTIONAL ACCESSORY SPECIFICATIONS



PRCD Interrupter protection



Dry Arbor Adaptor



Wet-Type Thread Adaptor



Diamond Core Bits Dry Type With 4 Slits



Diamond Core Bits Wet Type

■ DM160, DM6P, DM6D Wet-Type Thread Adaptor

Thread

1-1/4"-7 UNC to 1-1/4"-3 Acme

Part Number

302-04311-901-002

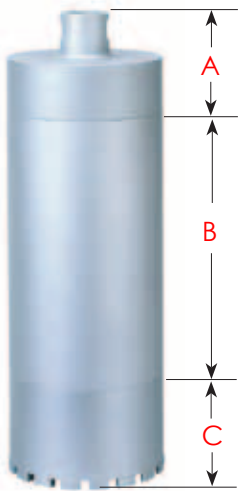
■ 1-PCS Diamond Core Bits for DM80N, DM160, DM6P, DM6D

Description	Dimensions	Part Numbers	
		M16-2.0	M18-2.5
Solid Body, Wet + Dry Type	1" x 290mm	305-00156-000-001	305-00156-000-009
"	1-1/4" x 290mm	305-00156-000-002	305-00156-000-010
"	1-1/2" x 290mm	305-00156-000-003	305-00156-000-011
"	2" x 290mm	305-00156-000-004	305-00156-000-012
"	2-1/2" x 290mm	305-00156-000-005	305-00156-000-013
"	3" x 290mm	305-00156-000-006	305-00156-000-014
"	3-1/2" x 290mm	305-00156-000-007	305-00156-000-015
"	4" x 290mm	305-00156-000-008	305-00156-000-016
Dry Type with 4 Slits	1" x 290mm	305-00157-000-001	305-00157-000-009
"	1-1/4" x 290mm	305-00157-000-002	305-00157-000-010
"	1-1/2" x 290mm	305-00157-000-003	305-00157-000-011
"	2" x 290mm	305-00157-000-004	305-00157-000-012
"	2-1/2" x 290mm	305-00157-000-005	305-00157-000-013
"	3" x 290mm	305-00157-000-006	305-00157-000-014
"	3-1/2" x 290mm	305-00157-000-007	305-00157-000-015
"	4" x 290mm	305-00157-000-008	305-00157-000-016

Dry Arbor Adaptor for DM160 (1-1/4"-7 UNC to M16-2.0 with MT1 Taper for Pilot Drill. Drift included).

302-04311-000-002

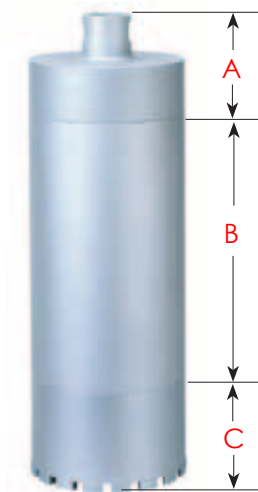
■ 3-Piece Wet-Type Diamond Core Bits (For DM6P/D, DM160)



A: Coupling only B: Tube only C: Diamond Bit only D: Complete Diamond Core Bit (A+B+C)

Description	Part Numbers		Dimensions
	1-1/4"-7 UNC	1-1/4"-3 Acme	
Coupling only	305-00158-000-001	305-00158-000-002	1"
Tube only		305-00159-000-001	1" x 280mm
Diamond Bit only		305-00160-000-001	1" x 30mm
Complete Diamond Core Bit	305-00316-000-001	305-00316-000-002	1" x 310mm
Coupling only	305-00158-000-003	305-00158-000-004	1- 1/4"
Tube only		305-00159-000-002	1-1/4" x 280mm
Diamond Bit only		305-00160-000-002	1-1/4" x 30mm
Complete Diamond Core Bit	305-00316-000-003	305-00316-000-004	1-1/4" x 310mm
Coupling only	305-00158-000-005	305-00158-000-006	1-1/2"
Tube only		305-00159-000-003	1-1/2" x 270mm
Diamond Bit only		305-00160-000-003	1-1/2" x 35mm
Complete Diamond Core Bit	305-00316-000-005	305-00316-000-006	1-1/2" x 305mm
Coupling only	305-00158-000-007	305-00158-000-008	2" x 40mm
Tube only		305-00159-000-004	2" x 270mm
Diamond Bit only		305-00160-000-004	2" x 35mm
Complete Diamond Core Bit	305-00316-000-007	305-00316-000-008	2" x 345mm
Coupling only	305-00158-000-009	305-00158-000-010	2- 1/2" x 40mm
Tube only		305-00159-000-005	2- 1/2" x 270mm
Diamond Bit only		305-00160-000-005	2 -1/2" x 40mm
Complete Diamond Core Bit	305-00316-000-009	305-00316-000-010	2- 1/2" x 350mm
Coupling only	305-00158-000-011	305-00158-000-012	3" x 40mm
Tube only		305-00159-000-006	3" x 270mm
Diamond Bit only		305-00160-000-006	3" x 40mm
Complete Diamond Core Bit	305-00316-000-011	305-00316-000-012	3" x 350mm
Coupling only	305-00158-000-013	305-00158-000-014	3-1/2" x 40mm
Tube only		305-00159-000-007	3-1/2" x 270mm
Diamond Bit only		305-00160-000-007	3-1/2" x 40mm
Complete Diamond Core Bit	305-00316-000-014	305-00316-000-015	3-1/2" x 350mm
Coupling only	305-00158-000-015	305-00158-000-016	4" x 40mm
Tube only		305-00159-000-008	4" x 270mm
Diamond Bit only		305-00160-000-008	4" x 70mm
Complete Diamond Core Bit	305-00316-000-016	305-00316-000-017	4" x 380mm
Coupling only	305-00158-000-017	305-00158-000-018	5" x 40mm
Tube only		305-00159-000-009	5" x 270mm
Diamond Bit only		305-00160-000-009	5" x 90mm
Complete Diamond Core Bit	305-00316-000-019	305-00316-000-020	5" x 400mm
Coupling only	305-00158-000-019	305-00158-000-020	6" x 40mm
Tube only		305-00159-000-010	6" x 270mm
Diamond Bit only		305-00160-000-010	6" x 90mm
Complete Diamond Core Bit	305-00316-000-021	305-00316-000-022	6" x 400mm

■ 3-Piece Wet-Type Diamond Core Bits (For DM6P/D, DM160)



A: Coupling only B: Tube only C: Diamond Bit only D: Complete Diamond Core Bit (A+B+C)

Description	Part Numbers		Dimensions
	1-1/4"-7 UNC	1-1/4"-3 Acme	
Coupling only	305-00158-000-021	305-00158-000-022	7" x 40mm
Tube only		305-00159-000-011	7" x 270mm
Diamond Bit only		305-00160-000-011	7" x 90mm
Complete Diamond Core Bit	305-00316-000-024	305-00316-000-025	7" x 400mm
Coupling only	305-00158-000-023	305-00158-000-024	8" x 40mm
Tube only		305-00159-000-012	8" x 270mm
Diamond Bit only		305-00160-000-012	8" x 90mm
Complete Diamond Core Bit	305-00316-000-026	305-00316-000-027	8" x 400mm
Coupling only	305-00158-000-025	305-00158-000-026	9" x 40mm
Tube only		305-00159-000-013	9" x 270mm
Diamond Bit only		305-00160-000-013	9" x 90mm
Complete Diamond Core Bit	305-00316-000-028	305-00316-000-029	9" x 400mm
Coupling only	305-00158-000-027	305-00158-000-028	10" x 40mm
Tube only		305-00159-000-014	10" x 270mm
Diamond Bit only		305-00160-000-014	10" x 90mm
Complete Diamond Core Bit	305-00316-000-030	305-00316-000-031	10" x 400mm
Coupling only	305-00158-000-029	305-00158-000-030	12" x 40mm
Tube only		305-00159-000-015	12" x 270mm
Diamond Bit only		305-00160-000-015	12" x 90mm
Complete Diamond Core Bit	305-00316-000-032	305-00316-000-033	12" x 400mm
Coupling only	305-00158-000-031	305-00158-000-032	14" x 40mm
Tube only		305-00159-000-016	14" x 270mm
Diamond Bit only		305-00160-000-016	14" x 90mm
Complete Diamond Core Bit	305-00316-000-034	305-00316-000-035	14" x 400mm