CORE RIGS

M-1 Complete/ Combo/Anchor

THOUSANDS OF WAYS TO BUILD YOUR CUSTOM RIG

CHOOSE YOUR STAND

- Anchor Base
- Vacuum Base
- Combination Anchor/Vac Base

CHOOSE YOUR MOTOR

Consider:

- Maximum Bit Capacity
- Amps/Volts
- RPM Speed
- Mounted or Hand-Held
- Wet or Dry Drilling

CHOOSE ACCESSORIES

- Core Bore Adapters
- Core Bore Extensions
- Control Panel Analog or Digital
- Base Vacuums
- Cords and Cord Adapters
- Custom Size Columns (Masts)
- Motor Mounts
- Water or Vacuum Swivels
- Spacer Blocks
- Roller Carriages
- Dust Control
- And More...

s accessories

M-2 Complete/ Combo/Anchor

RIG MODELS:

- M1AA Portable Rig
- M1 Complete Expert Rig
- M2 Large Expert Rig
- M3 Portable Stair Rig
- M4 Portable Multipurpose Rig
- M5 Heavy Duty Quick Disconnect Rig
- M5-PRO Pro Quick Disconnect Rig
- M6 Large Hydraulic Rig

MOTORS:

• **CB733** Up to 16", 20 amp (120V or 230V) - LED amp meter

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- CB744 Up to 18", 25 amp (115V) LED amp meter
- Milwaukee Models: 4004, 4005, 4096, 4097

WEKA

DK22 - Up to 16", 23 amp (110V), 11 amp (230V) - 3-speed DK32 - Up to 18", 30 amp (110V), 15 amp (230V) - 3 speed DK38 - Up to 18", 16 amp (230V) - 18 speed DK42 - Up to 20", 8.2 amp (460V- 3PH), 14.2 amp (230V 3PH) DK52 - Up to 24", 9 amp (460V-3PH), 18 amp (230V-3PH) SR75 - Up to 26", 14 amp (480V-3PH) 9-speed

HAND-HELD

CB515 - up to 3" - 2-speed, 115 volt, wet drilling DK12 - up to 3" - 3-speed, 14 amp (115V) - wet drilling DK13 - up to 3" - 3-speed, 14 amp (115V) - dry or wet drilling DK16 - up to 3" - 3-speed, 19 amp (110V) - wet drilling

CORE RIG & DRILLING Basics

Example: M1 COMBO with CB744

MOTOR MOUNT

Connects the motor to the carriage. Spacer block can be added for increased diameter capacity

MOTOR

Drives the core bit. Typically electric or hydraulic.

MOTOR SPEED DIAL

Allows you to change the RPM of the motor for different sized core bits.

SPINDLE

Threaded motor end that connects to the core bit. Typically 1.250"-7 or 5/8"-11 thread size.

CORE BORE BIT

Diamond segmented cylinder for coring holes.

WATER[®] CONNECTION

Water hose and valve for connecting to a water source allowing wet drilling.

LEVELING SCREW (4)

Used for making the rig level. <u>Not</u> used for anchoring the rig.

CEILING JACK

A screw-fed rod that allows you to secure the rig from above using a wooden block or similar item.

MAST WITH GEAR RACK

Steel column with gear rack that allows the carriage to run up and down. Can be various lengths for deeper holes.

CARRIAGE

Rides along the mast and uses pinion gears to move up or down, allowing you to feed retract the core bit.

FEED HANDLE

Used to turn the pinion gears and moves the carriage up or down the mast.

VACUUM PRESSURE GAUGE

Monitors the vacuum pressure so you know when the rig is secure and safe to use.

VACUUM MOTOR Secures a vacuum base to a flat surface.

VACUUM SLOT or ANCHOR HOLE

Connection where the vacuum connects to the vacuum base that includes a slot cap gasket.

VACUUM BASE

Allows anchoring using a vacuum. Can be used with anchors.

CORE DRILLING SAFETY INFORMATION

- Check with the job site supervisor to identify any electrical lines, gas lines or other hazards that may be located in or under the slab or in or behind the wall that will be cored.
- Secure base of the rig stand to prevent movement during coring operations. DO NOT STAND on your core rig to anchor it down! Use proper anchor/vacuums to secure the rig to the surface.
- Provide for proper protection below the coring area to prevent any people from being struck by the falling core. A spotter is recommended.
- If you are using a vacuum to secure a rig to a wall, you must have another way to secure the rig in case power were to be cut off or shut down during drilling.

