



DIAMOND CORE DRILL RIG & STAND

24855

INSTRUCTION MANUAL

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SPECIFICATION

PRODUCT DESCRIPTION

Thank you for purchasing the T-Mech Diamond Core Drill Rig and Stand, with a three speed motor this core drill rig will be perfect for any type of project. This rig is hugely versatile, whether concrete, brick or masonry is needed to be cut through, this drill make light work of such materials.

This rig can also be angled up to 45°, both obtuse and acute, for drilling at whichever angle you require.

Please refer to and read the Safe Working Practice to ensure prevention of injury or damage to the device before starting.

PRODUCT SPECIFICS

RIG

MAX. DIAMETER CONCRETE:	452mm
COLUMN:	70 x 70 x 1000mm
TRAVEL LENGTH:	650mm
MOUNTING MOTOR PLATE:	50mm
SPACER BLOCK:	50mm
ANGLE OF WORK:	45°

MOTOR

INPUT POWER:	3300W
VOLTAGE:	2100W
NO LOAD SPEED:	20V / 50HZ / 110V / 60HZ
MAX. DIAMETER:	402mm
SPINDLE THREAD:	1 1/42"-7 UNC (M)
MOTOR SPEEDS:	400 / 800 / 1200rpm
MOUNTING HOLE DISTANCE:	79 x 41mm

ITEM CONTENTS

- 1 x Toolkit
- 3 x Anchor Bolts
- 1 x Wheel Set
- 1 x PPE

SPECIFICATION

PRODUCT FEATURES

- | | | |
|------------------|-----------------|----------------------|
| A. Handle | G. Pivot Joint | M. Sliding Carriage |
| B. Motor | H. Support | N. Pivot/Degree Arm |
| C. ON/OFF Switch | I. Handle | O. Wheels |
| D. Speed Setting | J. Column | P. Anchor Bolt Plate |
| E. Drill Bit | K. Crank Handle | |
| F. Hose Valve | L. Motor Plate | |



Monster Group UK Limited's liability will be limited to the commercial value of the product only.

SAFETY ADVICE

SAFE WORKING PRACTICE

Please read through the Safe Working Practice to ensure prevention of injury or damage to the device.

Ensure you do not leave this product unattended whilst operational. When not in use, turn the machine off and disconnect from power source.

Do not operate this product around flammable substances.

Do not expose this product to sources of heat.

If signs of excessive heat, fire or smoke become apparent, turn off the product fully, unplug it from the socket and arrange for repair. Do not use the product until it has been inspected by a qualified professional.

Machine should have adequate ventilation, do not block ventilation holes.

Do not use if the machine or wire is damaged.

Do not operate this product with wet hands or clothes.

Do not submerge this product in water. Do not allow this product to become excessively wet.

We recommend the use of an RCD during use.

SAFETY ADVICE

SAFE WORKING PRACTICE

If the machine stops working during use, switch it off and allow the machine to cool before inspecting it. Do not leave the machine operational. Try to restart the machine. If this does not work, seek repair from a qualified technician.

Take care when attaching drill bits, wear protective gloves.

Ensure you hold the tool firmly with two hands at all times during operation. Make sure you always keep a stable position, keeping your body balanced.

Ensure the drill bit is securely attached to the drill before commencing work.

Ensure the rig is securely attached to the drill and is the right size for the work to be undertaken.

Always wear slip resistant safety shoes whilst using the tool.

Keep your work area clear of bystanders, children, pets and animals, as contact with its moving parts may result in serious injury or death.

Normal use of the machine exposes the operator to vibration. Regular and frequent exposure to vibration may cause, contribute to, or aggravate injury or disorders to the operator's fingers, hands, wrists, arms, shoulders and/or other body parts. This can include debilitating and/or permanent injuries or disorders that may develop gradually over periods of weeks, months or years.

SAFETY ADVICE

SAFE WORKING PRACTICE

Ensure you wear appropriate protective gloves when using the product.

Ensure that you can safely handle the weight of the product. If you cannot safely handle the product, do not use it.

This product produces high levels of noise. Ensure you wear appropriate hearing protection whilst using this product.

Ensure you operate this product in an open space only. Do not operate in confined places or indoors.

Do not allow any persons who are not wearing hearing protection to come near this product during operation.

Prolonged or constant use of this tool increases the risk of long term injury. We recommend only one person uses the tool for 30 minutes at a time.

Do not store items on the product.

Store this item in a cool, dry place.

Do not use this product for anything other than its intended purposes.

SAFETY ADVICE

SAFE WORKING PRACTICE

Do not allow anyone to use this product who has not read and understood the instruction manual and safety advice.

Repairs or maintenance should be carried out by a qualified professional. Do not attempt repairs yourself.

Inspect the product for signs of wear and damage before and after every use. If damage or significant wear is spotted, do not use the product and arrange for repair.

Ensure product is fully switched off and disconnected from its power source before performing any maintenance.

Clean machine after every use.

Do not allow children to operate this product.

Ensure your work area is clear of persons, children, pets and animals before use.

Ensure you wear appropriate safety goggles/glasses to reduce the risk of debris coming into contact with your eyes at high speed during normal use.

Ensure you have fully read and understood the instruction manual and safety advice before using this product.

USER GUIDE

ASSEMBLY INSTRUCTIONS

1. Attach the wheels using the two screws in the back of the bottom plate.
2. Face the wheel plate downwards so that the screws are at the top of the slots and ensuring the rig is level.
3. Screw the wheels into place.
4. Place the core drill rig into position with the front legs at a supporting angle that allows enough space for the rig to drill at any angle.

Please Note: The rig must be anchor bolted to the ground to ensure the machine is safe to operate.

5. Anchor bolt each leg into the ground using a pilot hole to secure, the bottom plate also requires an anchor bolt.

Please Note: The spirit level on top of the rig will allow you to ensure the rig is lined up correctly and level.

6. Place the metal bar into the recess on the motor, position the motor onto the motor plate with the screw on the right of the motor and the recess at the bottom.
7. Screw into place using the four screws and Allen key.
8. Slide the motor plate onto the sliding carriage, the recess will prevent the carriage from sliding off the rig, tighten with the side screw.
9. Insert the crank handle onto either the left or right shaft.
10. Attach hose to the valve on the side of the motor.

Please Note: Always use clean water when drilling.

USER GUIDE

OPERATING INSTRUCTIONS

ATTACHING A DRILL BIT

1. Screw attachment on to the motor.
2. Use a spanner to tighten.
3. To take off, unscrew the attachment.

Please Note: Applying water-resistant grease to the tool thread will allow the attachment to be removed easily.

SWITCHING SPEEDS

Please Note: Never use force when switching the speed, only switch over when the machine is decelerating or has stopped.

- Always select the appropriate speed for the drill diameter.

DRILLING

Please Note: Always turn on the water before turning the motor on and use clean water.

Please Note: Ensure there are no gas, power or water lines in the drill area.

1. Turn on the water supply.
2. Select the appropriate speed for the attachment.
3. Slowly lower the attachment towards the ground.
4. Apply gentle pressure until the hole is complete.

DRILLING AT AN ANGLE

Please Note: Remove the motor plate and motor before changing the angle.

1. Remove the bolts that attach the support struts to the back handle.
2. Unscrew the bolt in the back of the handle, this allows the handle to slide up and down.
3. Push/pull the rig into the desired angle, the rig will be quite stiff.
4. Slide the handle into position to allow the support struts to align back up.
5. Retighten the bolt in the back of the handle.
6. Rescrew the struts into place.

USER GUIDE

MAINTENANCE

- Clean the attachment, rig and motor after every use.
- Ensure that the cooling slots are cleaned regularly, this can be done efficiently by using compressed air.
- After 250 hours of operation, change the oil in the motor's gearbox.
- Check the carbon brushes for wear, change if necessary.
- If there are signs of oil or grease leakage, the machine must be switched off immediately as this will cause excessive wear on the gears.
- The machine must be repaired by a qualified technician.

TIPS AND RECOMMENDATIONS

- Ensure there are no gas, power or water lines in the drill area.
- Always turn on the water before starting the motor.
- Choose the appropriate speed for the diameter of the drill to ensure efficient drilling.
- Do not overload the drill.
- Water-resistant grease on the tool thread will allow the removal of the attachment to be a lot easier.
- If excessive vibration or 'snatching' at the core barrel occurs, stop and remove the core drill. Remove the core and investigate, remove any debris.

RECOMMENDED CORE DRILL BIT SPEEDS

DIAMETER	DRILL SPEED
8 - 29mm	3000rpm
30 - 45mm	1500rpm
46 - 65mm	1200rpm
66 - 89mm	900rpm
90 - 125mm	600rpm
126 - 200mm	450rpm
201 - 400mm	300rpm

This is only a recommendation as this may vary from situation to situation.

TROUBLESHOOTING

RESOLUTION GUIDE

WHAT DO I DO IF THERE ARE MISSING PARTS FROM MY ORDER?

If there appears to be any part missing from your order, contact our friendly and helpful Customer Support Team within 7 days of receipt.

WHAT DO I DO IF THERE IS EXCESSIVE VIBRATION?

Stop the machine and remove the core drill, clean out the core and search for any signs of wear and tear, remove any debris.

WHAT DO I DO IF THE DRILL IS NOT CUTTING?

The speed of the core drill may not be fast enough, wait for the machine to decelerate or turn it off before changing the speed setting.
If the problem persists, apply more pressure to the crank handle.

WHAT DO I DO IF THE DRILL IS SKIMMING THE SURFACE?

The speed of the core drill may be too fast for the size of drill bit, turn the drill off before decreasing the speed setting.

**FOR ALL OTHER ISSUES, PLEASE CONTACT OUR
CUSTOMER SUPPORT TEAM.**

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For information regarding this device or other products from our Monster divisions please contact Sales.

SALES

TEL: 01347 878 888

EMAIL: hello@monstershop.co.uk

For queries about this device, warranty, returns or reporting faults please contact Support.

SUPPORT

TEL: 01347 878 887

EMAIL: help@monstershop.co.uk

Pour plus d'informations concernant cet appareil ou d'autres produits de nos divisions de Monster veuillez utiliser les détails suivants ci-dessous.

DÉPARTEMENT COMMERCIAL

TEL: 01347 878 888

EMAIL: bonjour@monstershop.eu

Pour les interrogations concernant cet appareil, la garantie, les retours ou les défauts de déclaration veuillez utiliser les détails suivants ci-dessous.

DÉPARTEMENT DE SOUTIEN

TEL: 01347 878 887

EMAIL: help@monstershop.co.uk

Para información sobre este dispositivo u otros productos de nuestras divisiones de Monster por favor use los siguientes detalles.

DEPARTAMENTO DE VENTAS

TEL: 01347 878 888

EMAIL: hola@monstershop.eu

Para consultas sobre este dispositivo, la garantía, devoluciones o denuncias de fallos por favor use los siguientes detalles.

DEPARTAMENTO DE SOPORTE

TEL: 01347 878 887

EMAIL: help@monstershop.co.uk

Für Informationen bezüglich dieses Geräts oder anderer produkte aus unserer Monster-Abteilung, benutzen sie die folgenden unten aufgeführten angaben.

VERKAUFABTEILUNG

TEL: 01347 878 888

EMAIL: hallo@monstershop.eu

Für fragen über dieses gerät, die garantie, rückgaben oder bei störungen, benutzen sie die folgenden unten aufgeführten angaben.

SUPPORT-ABTEILUNG

TEL: 01347 878 887

EMAIL: help@monstershop.co.uk

Per informazioni riguardanti questo dispositivo o altri prodotti dalle categorie Monster utilizzare i dettagli sotto riportati.

DIPARTIMENTO VENDITE

TEL: 01347 878 888

EMAIL: ciao@monstershop.eu

Per domande riguardo dispositivo, garanzia, reso o per riferire di guasti, utilizzare i dettagli sotto riportati.

DIPARTIMENTO SUPPORTO

TEL: 01347 878 887

EMAIL: help@monstershop.co.uk

Monster House, Alan Farnaby Way,
Sheriff Hutton Industrial Estate,
Sheriff Hutton, York, YO60 6PG
www.monstershop.co.uk



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