

Castle & Pryor Ltd 4b Elles House Invincible Rd Farnborough
Hants GU14 7QU



Operating Manual

Original Instructions

Sindrilla

No HAVS Drill Trolley

Product Reference No.: Zerovib01

Serial Numbers:

Revision: 2 Date: 23 July 2019

IMPORTANT!
READ CAREFULLY BEFORE USE

KEEP FOR FUTURE REFERENCE

Document Change Record

Revision	Date	Description
1	8/1/19	Initial Issue
2	23/7/19	Corrected electrical rating

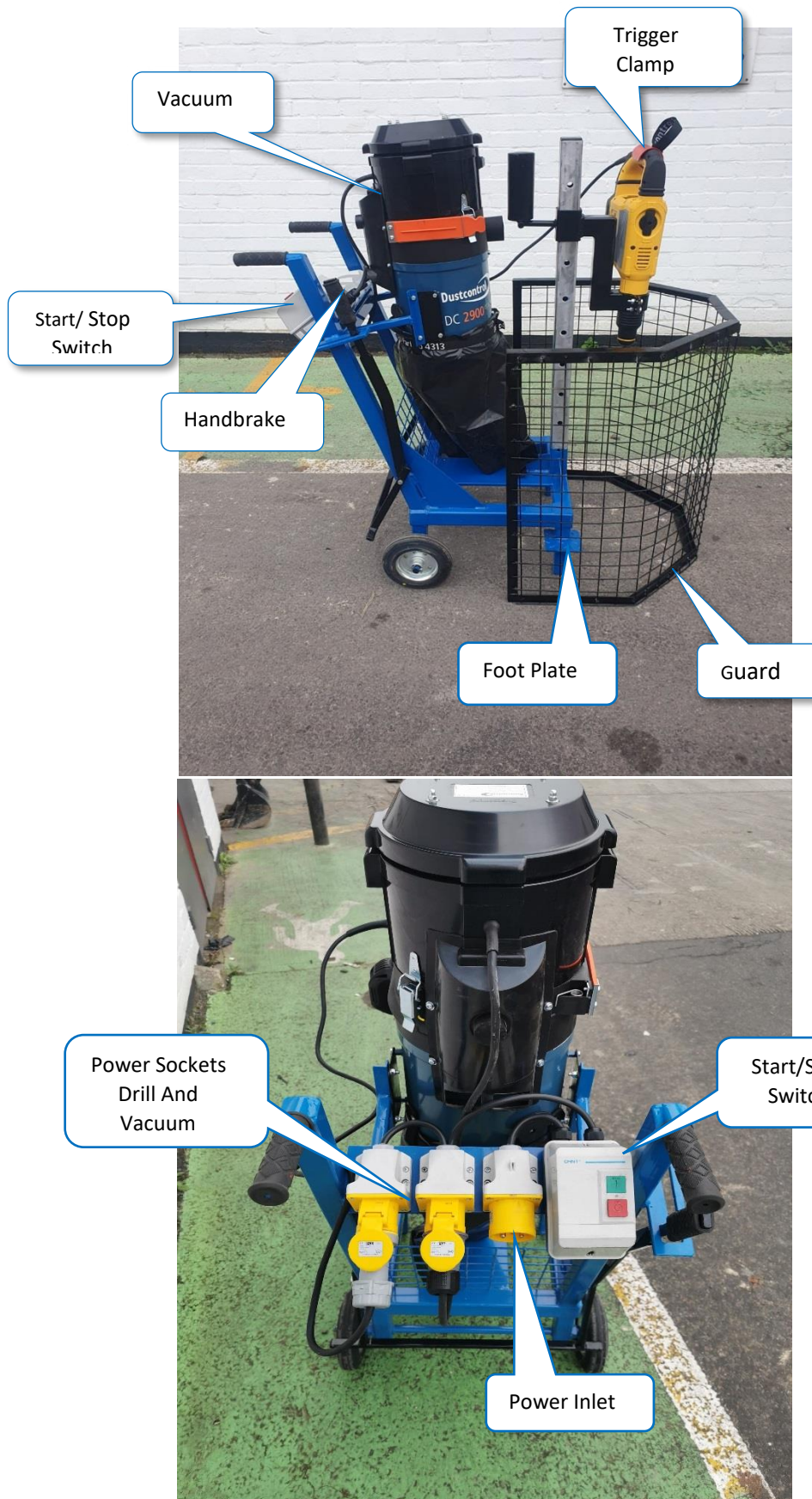
CONTENTS

	Page
1 Description	3
1.1 Intended Purpose	5
1.2 Technical Data	5
1.3 EC Declaration of Conformity	5
1.4 Modification	6
2 Safety Guidelines	7
2.1 Environment	7
2.2 Drill	7
2.3 Tools	7
2.3.1 Standard Spiral SDS / Max Rotary Drill Bits	7
2.3.2 Hollow Drill Bits	8
3 Setting Up Sindrilla	9
4 Operation	11
5 Transport.....	11

1 Description

The Sindrilla drilling rig is designed for rotary percussion dry drilling of vertical holes into mass or reinforced concrete or masonry/stone. It comprises a proprietary drill mounted on a wheeled trolley.

The drill unit is not held while drilling so there is no risk of HAVS (Hand and Arm Vibration Syndrome) for operators. Trolley-mounted switches are used to operate the drill and there is provision for plugging in a dust collector (not supplied).



1.1 Intended Purpose

The product is for professional and industrial use only.

- Sindrilla is for hands-free rotary percussion dry drilling of vertical holes in concrete, stone, masonry and similar substrates and is not to be used for drilling horizontal or angled holes.
- Do not mount any other tools in the drill bit holder I.e. breaking or chipping tools □
Do not use the power sockets for plugging in heaters or water pumps, or any other apparatus into the spare power socket on the top of the trolley
- Do not use the trolley to transport anything other than the drill, e.g sacks, bags, other types of tool
- Maximum hole size is noted in the drill manufacturer's instructions, usually considered to be from (approx.) 10mm diameter holes up to 32mm diameter holes depending on your drill choice
- Care should be taken to avoid drilling of any steel reinforcement, if this is the intention then another method should be considered I.e. wet diamond core drilling.
- Sindrilla is not to be used to drill wet/moist concrete or be used in moist wet conditions - this will cause the drill piece to bind up - follow recommendations from drill or drill bit manufacturer's instructions for best practice for rotary percussion drilling.

1.2 Technical Data

Weight	50kg including DeWalt D25614K
Standards	EN 16228-1:2014; EN 16228-2:2014
Electrical Rating	32A starter. DeWalt 5.4A
Vibration	Vibration at the trolley handles is less than 2.5m/sec ²
Other	refer to DeWalt D25614K instructions

1.3 EC Declaration of Conformity

On behalf of

Castle & Pryor Ltd, Elles House, 4B Invincible Road, Farnborough GU14 7QU

it is declared by the person signing below that the products described:

Sindrilla

Model designation *zerovib01*

Serial Numbers:

001 to 050 fulfil the relevant provisions of Directives 2006/42/EC and 2000/14/EC.

The following standards have been used:

EN 16228-1:2014, EN 16228-2:2014

The following person is empowered to compile the technical file:

Castle & Pryor Ltd at above address

Signatory

1.4 Modification

Signature

Position

Under no _____ circumstances must the
Signed by (name) _____ at (place) _____ on (date) _____

product be modified, e.g. to take heavier tools or to mount other types of equipment. The trolley may become unstable especially when wheeling between locations. Any modifications or uses other than described in section 1.1 will invalidate the warranty. C&P will not accept any liability for personal injury or property damage if modifications are made or the product is abused.

2 Safety Guidelines

2.1 Environment

Do Not use in rain or wet conditions

Do Not use in explosive atmospheres such as near flammable liquids, gases or dusts

Avoid hazardous areas such as slopes, flooded areas

2.2 Drill

Follow the safety guidelines described in the instructions for the supplied DeWalt drill.

2.3 Tools

2.3.1 Standard Spiral SDS / Max Rotary Drill Bits

These present an entanglement hazard.



DO NOT put hands, loose clothing, long hair or hands near the rotating tool, e.g, to clear dust from holes. STOP the drill first.



Do not use the hand to clear dust from around the rotating tool.



The dust created is a health hazard. Exposure to concrete dust over long periods leads to the risk of silicosis, which can be life-changing and fatal. Dust masks must be worn when using this tool type



Make sure other persons are also aware of the danger from entanglement - do not use in public areas with any risk to public - use only in risk free zones with suitable fencing.

2.3.2 Hollow Drill Bits

Best practice is to use a Dewalt or Hilti hollow SDS /SDS Max drill bits connected to a suitable dust extraction machine for dust free drilling. The entanglement risk is reduced



Make sure other persons are aware of the danger from entanglement and dust - do not use in public areas with any risk to public - use only in risk free zones with suitable fencing.



When drilling do not alter or adjust dust suction hose - switch machine off before any alteration is required.

2.3.3 Safety Guard

Freestanding guard to be used by placing in front of the machine
Optional extra, as you can use the machine without a safety guard



Make sure the drill is in the off position before placing the guard



Do not move or adjust the guard whilst machine is running



Only remove the guard when the machine has been turned off

3 Setting Up Sindrilla

Unload from transport vehicle without drill unit to reduce total weight.



The weight of the trolley alone is 43kg. Two persons are required to lift.

Every first use and throughout the day check the condition of the rig and drill and drill bits, check handles frame, cables plugs, sockets, switches, wheels and carriage for any defects - if in doubt do not use.

Do Not wheel over soft or unstable ground, as the unit may tip over

At the drilling location ensure the trolley is stable and level, with mast vertical. Ensure the tyres are inflated equally otherwise the mast may not be upright Apply the handbrake to prevent the trolley moving

When placing the supplied DeWalt drill in the drill clamp ensure the drill carriage is placed in the lowest position possible and the pin is inserted taking into account the length of the drill bit to be fitted - this avoids injury from the carriage accidentally dropping.

To unclamp/clamp the drill, proceed as follows:



Undo the 4 M8 bolts using 2x 13mm spanners.
This will loosen the clamp so the drill can be removed



Pull the drill out of the clamp



Slide the drill back into the clamp until it touches the casing



Tighten the 4x M8 nuts/bolts until the drill is secure

Mount the chosen drill bit. Do not mount any tools other than drill bits in the drill holders i.e. breaking or chipping tools.

Lower the drill and bit to the surface at the desired location. Leave the pin out so the drill is pressing down under its own weight

Set the depth stop on the mast so that its distance from the drill cradle equals the desired hole depth



Fit the trigger clip over the handle to squeeze the trigger to the ON position

Plug the drill power cord into one of the sockets on the trolley handle

If using hollow tools connect a dust collector and plug into the other spare socket on the trolley handle

Plug the supplied power cord into the power in socket on the trolley handle and the other end into a suitable power supply.



We recommend the use of a residual current device with a residual current rating of 30mA or less.

Ensure the cord is routed to minimise tripping hazards and is not taut. If necessary use an extension

4 Operation

To start the drill ensure the trigger clip is securely attached to the drill handle

Ensure the trigger clip can be pulled off easily using the orange webbing strap

Check that the drill settings are suitable for the application

Stand at the operating position and press the green button on the control box

Do not hold the handles. This is not necessary.

To stop the drill and dust collector normally, press the red button

To stop the drill in an emergency pull off the trigger clip



When changing the drill piece unplug the unit from the mains 110v electricity.

5 Transport

When transporting the Sindrilla unit, stand the trolley upright with straps or similar and apply the brake.



When transporting the Sindrilla, e.g., back of a van, make sure the drill is locked on the mast by using the pin through the column to stop unnecessary movement.



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