Machine instructions

Description of use

PPE needed to operate machine e.g. eye or ear protection

Basic instructions to use safely

Specification of machine, adjustments

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Accompanying tools

Replacement parts

Contents

FOREST COMMUNITY SHED

AXMINSTER WORKSHOP AW254TS 254MM TABLE SAW

KEEP WORK AREA UNCLUTTERED

- Check the cutting tool is securely tightened in the machine and the correct speed and function set
- Ensure you are comfortable before you start work, balanced, the right height, not reaching etc
- Wear appropriate safety clothing, goggles, gloves, masks etc. Wear ear defenders if needed
- Tie back long hair, remove jewellery, secure loose clothing
- Consideration should also be given to non-slip footwear etc
- Do not use the machine if you are tired or distracted
- Check cutters are correct type and size, are undamaged and are kept clean and sharp
- Check that there are no foreign objects embedded in the material you are about to cut.

OBSERVE…. make sure you know what is happening around you and USE YOUR COMMON SENSE.

- Make sure the saw blade is the correct type for the job in hand
- Do not force the saw, if the saw begins to stall' you are 'forcing the cut' or over working the saw
- Ensure that the saw blade is clean and sharp
- Do not remove the blade guard.

FOR YOUR OWN SAFETY NEVER OPERATE THE TABLE SAW WITHOUT THE RIVING KNIFE IN PLACE!

- Do not use any blades that cut a smaller kerf than the riving knife thickness
- Make sure the riving knife is correctly adjusted to the blade and is securely fastened
- Replace the table insert if damaged or broken, and will not support the timber 'up close' to the blade
- Do not start the saw with the work piece touching the blade
- Do not commence sawing until the blade has run up to full speed
- After switching off, never try to slow the saw down more quickly with a piece of timber
- Apply the old joiner's adage of never getting hands within one handbreadth of the blade
- Never leave the vicinity of the machine unless the blade has come to a complete stop.

USE THE SUPPLIED PUSH STICK WHEN CUTTING SMALL PIECES.

- Do not attempt to carry out cross cutting operations 'freehand', always use the mitre fence for small stuff and the sliding carriage for larger work pieces
- Do not attempt to 'rip' freehand, always use the guiding facility of the rip fence
- It is perfectly acceptable to support, guide and feed the timber with your hands whilst ripping material of some length, and as you approach the blade ensure that the push stick is to hand, and you use it.
- Remember the emphasis of the 'push' should be between the blade and the fence and close to the fence. Use your free hand to support and guide the material on the offside of the saw blade and at least 100mm away from it. If the timber does not extend to at least 100mm to the offside of the saw blade, the material possibly does not need guiding or supporting.

WARNING! IF THE SAW JAMS! SWITCH OFF IMMEDIATELY.

After use

Return worktable to original settings, lower the blade and check vertical alignment to worktable
Clean-up the table, removing any dust with the vacuum and/or dustpan & brush.

Specification

Blade Diameter 254 mm
Blade RPM 3,000 rpm
Blade Tilt 0° to 45°
Max Depth of Cut @ 45º 56 mm
Max Depth of Cut @ 90º 80 mm
Max Width of Cut with Fence 430 mm with R/H Ext
Sound Power Level LwA [Uncertainty K] 94 dB(A) [2.5 dB]
Table Height 375 mm (bench mounted)
Table Size 485 mm x 680 mm
Table Size With Extensions 760 mm x 900 mm
Voltage 230 V induction motor

FOREST COMMUNITY SHED

AXMINSTER PROFESSIONAL AP406DS DRUM SANDER

Single drum, open sided finishing sander, perfect for both board sanding and square frame sanding.

Wide boards up to 812mm can be sanded by running through from both sides.

Depth is controlled by a hand wheel with an indicator scale, and the conveyor has a variable speed.

Sanding thickness 3mm to 127mm.

N.B. Drum sanders are intended to be used with pre-planed and thicknessed material. Drum sanders are used as part of the finishing process, they are not intended to be used as a planer/thicknesser or for significant stock removal.

Use

- Do not wear loose clothing, gloves, jewellery and tie back long hair. Non-slip footwear is recommended.
- Never start the tool if the workpiece is in contact with rotating part.
- Never perform sanding with the sanding drum cover or drive guard removed
- Never make a sanding pass deeper than 1/32" / 0.03125"/0.8mm
- Do not sand material shorter than 3"/ 75mm or narrower than ¾"/19mm
- Support the workpiece at all times and maintain control
- Do not force-feed the work piece through the machine
- Check the feed belt occasionally to be sure there is no debris or sawdust between any components
- Sand only sound lumber and is free from nails, screws or stones or other debris
- Stand to one side of belt, not directly in line with material
- Make sure the abrasive strip is attached and not loose
- Never put fingers into the dust port or under the cover.
- Allow it to reach full speed before use.

Removing cups from timber

Feed stock, cup up (edges resting on belt) and reduce cup.

Drum height control

Turn the height control knob clockwise to raise drum height

Counter-clockwise to lower drum.

1/64" = ¼ turn. One complete turn is 1/16"

After use

Return to low depth - about 30mm, and ensure paper is still in good condition

Specification

Abrasive Roll Width	*76 mm*
Drum Speed	*1,500 rpm*
Dust Extraction Outlet	*63 mm*
Feed Speed	*0.6 m/min to 2.6 m/min*
Nett Weight	*47 kg*
Power	*745 W*
Sanding Drum Diameter	*127 mm*
Sanding Thickness Min\Max	*3 mm to 127 mm*
Sanding Width Double Pass	*810 mm*
Sanding Width Single Pass	*406 mm*
Sound Pressure Level LpA [Uncertainty K]	*63 dB(A) [1.5 dB]*

Spares

Sandpaper 3"/76mm x 90"/2.29m

MIRKA ABRANET MAX ABRASIVE ROLL 76MM X 25M - 80Grit

FOREST COMMUNITY SHED

AXMINSTER CRAFT AC140OSS BOBBIN SANDER

Bobbin sanders are very useful when it comes to creating inside curves, shapes and also finishing small parts.

Please note these machines are designed and manufactured for sanding wood and similar materials and should not be used to abrade or grind metal.

Cast iron table tilts up to 45 degrees

Use

- Turn on the dust extractor prior to use. Ensure gate is open and other unused gates are closed.
- It has an attached sanding table which is adjustable from the horizontal to angles that enable sanding chamfers and splays.
- The Sander is equipped with a selection of spindles of various diameters which will suit a variety of shapes. Matching plastic table-inserts are available and should be used to suit the spindle size. This keeps the gap between the spindle and table to a minimum.
- The operational spindle rotates and moves up and down on a vertical axis at the same time. A LEFT-HAND THREAD at the base of the spindle fits a corresponding thread UNDER the work table to allow exchange of spindles. It should only be tightened firmly BY HAND. Ensure correct direction for loosening and tightening spindle is used.
- The sander is suitable for sanding curved surfaces, sides, edges and holes in small timber pieces.
- A LEFT-HAND THREADED NUT on top of the spindle is used to compress the rubber spindle to enable it to firmly grip and release the interior of the tubular abrasive sleeve when it is being renewed.
- The work piece is held in the hands of the operator. While pressing firmly down against the sander table, the operator slowly presses the work piece against the surface of the revolving and bobbing sanding spindle. It is important that the work piece is not allowed to lift up off the table. The work piece can be slowly moved sideways whilst sanding to ensure that the area / edge being sanded is evenly sanded, and this helps to alleviate 'burning' the work piece.
- When sanding is complete switch off the sander, close the blast gates and switch off the dust collector.
- DO NOT leave machine running.

After use

Return worktable and abrasive to original settings and check vertical alignment to worktable.

Clean-up workspace, removing any dust with the vacuum and/or dustpan & brush.

Specification

Versatile sander with oscillating bobbin
Bobbin oscillates 22mm vertically
Fully tilting table
For all manner of finishing tasks in the workshop
Cast iron table can be tilted up to 45°
50mm dust outlet
Exceptionally efficient extraction hood
Supplied with 6, 12, 16, 38, 50 and 76mm bobbins
Nylon table inserts to give a close fit around the bobbin
The 370W induction motor is quiet in use and slow running so as not to burn your work
Spindle Speed 1,425 rpm

Spares

Replacement sanding bobbins in 6mm, 12mm, 16mm, 38mm, 50mm and 76mm

Recommended grit 60

FOREST COMMUNITY SHED

CLARKE CS6-9D 1100W 6"X9" BELT & DISC SANDER

This machine is designed for sanding WOOD ONLY

For sanding flat pieces, and external edges

Avoid sanding lead based paint, wood or metal which may produce toxic dust

Use

- Turn on the dust extractor prior to use. Ensure gate is open and other unused gates are closed.
- Replace sand paper if necessary.

Disc sander

- Check right angle of table to vertical disc.
- Ensure the table is within 2mm of the sanding disc
- The work piece is held in the hands of the operator.
- Hold the work firmly on the table and ALWAYS hold the workpiece against the left half of the disc. It is important that the work piece is not allowed to lift up off the table. The work piece can be slowly moved sideways whilst sanding to ensure that the area / edge being sanded is evenly sanded, and this helps to alleviate 'burning' the work piece.
- DO NOT exert too much pressure. A light touch is all that is required.

Belt sander

- Ensure that the belt runs true on the rollers
- Adjustable belt angle, it is possible to sand at either a horizontal or vertical angle for added convenience.
- The work piece is held in the hands of the operator.
- While holding the piece on the belt, the operator slowly presses the work piece against the stop if appropriate and can be slowly moved sideways.
- Let the sander do the work and ensure the workpiece is flat on the table surface. Never apply heavy pressure as this will not only produce an uneven finish but will overload the motor causing it to burn out

When sanding is complete switch off the sander, close the blast gates and switch off the dust collector.

DO NOT leave machine running.

After use

Return worktable and abrasive to original settings and check vertical alignment of disc to worktable.

Clean-up workspace, removing any dust with the vacuum and/or dustpan & brush.

Specifications

1100 Watts (1.5HP) 230V induction motor

6" x 48" belt tilts & locks at any angle from 0 to 90°

Spring adjuster to regulate belt tension

Supplied with 150mm x 300mm belt and disc sanding table that is adjustable between 0 & 45°.

Complete with finger guard on belt, full disc guarding & mitre fence on sanding table.

Spares

Replacement sanding belts & discs available (fine, medium & coarse - 60, 80, 120 grit). 60 recommended.

Sanding belt 152 mm x 1219 mm

Sanding disc 9" (228mm)

FOREST COMMUNITY SHED

CORONET ENVOY HEAVY-DUTY CAST IRON ELECTRONIC VARIABLE SPEED WOOD LATHE (17001)

A wood lathe is a type of lathe that has been designed specifically for its use in woodworking operations. Wood lathes are used to cut, face, drill, sand, deform, polish, and turn wooden workpieces.

Features

Electronic variable speed, a rotating and sliding headstock, reverse function

Rotating and Sliding Headstock

Unlike many cast bed lathes, the headstock of the Envoy can be rotated 360º, optimising access and also making it ideal for left-handed turners. A bearing system beneath the headstock allows it to be locked at 90º to the lathe bed and it can also be moved along the bed if required.

There are also many accessories for the lathe.

Self-Ejecting Tailstock

The self-ejecting tailstock allows for accessories to be easily and quickly removed without the need for a knockout bar. It accepts 2 Morse taper accessories, providing excellent strength and solidity.

3-Step Pulley

A 3-step pulley is provided for maximum versatility. For most turning the middle pulley is ideal and provides good torque but if you need maximum torque for heavy cuts or low speed work, then the bottom pulley has immense torque capability and the top pulley gives access to the highest speeds. For ease of use the drive belt position can be seen through the inspection window of the headstock.

Use

Ensure you receive full instructions prior to use

- Use extraction when sanding. Ensure gate is open and other unused gates are closed.

After use

Reset lathe, remove all chucks and return to storage

Re install drive centres

Remove workpiece

Reset to low speed

Clean-up workspace, removing any dust with the vacuum and/or dustpan & brush.

Specifications

Maximum bowl diameter:	1000 mm (39")
Maximum between centres:	610 mm (24")
Maximum swing over bed:	410 mm (16")
Spindle speeds:	250 - 3800 rpm
Motor input P1:	1.5 kW
Motor output P2:	1.1 kW
Thread:	M33 x 3.5
Taper:	2 Morse taper
Weight:	140 kg
Size:	L1435 x D540 x H1210 mm

Herald Heavy Duty Cast Iron Electronic Variable Speed Lathe (16007)

A wood lathe is a type of lathe that has been designed specifically for its use in woodworking operations. Wood lathes are used to cut, face, drill, sand, deform, polish, and turn wooden workpieces.

This lathe has a swivel Headstock and Electronic Variable Speed.

Use

- Ensure you receive full instructions prior to use
- Use extraction when sanding.
- Ensure gate is open and other unused gates are closed.

Before turning ensure:

- Adequate support of the workpiece with **drive centre or face plate**

Risk of ejected workpiece

Ejected workpieces are one of the main causes of accident during hand turning. Ejection can occur if there is:

- incorrect/inadequate workpiece support
- inadequate workpiece preparation – it is important that surplus timber is removed from a square section workpiece before turning commences
- too fast a speed selected for larger diameter or irregularly shaped workpieces, particularly if first cuts are being made
- a blunt tool being used

Risk from tool post setting errors

- The tool rest should be set close enough to ensure the user can hold the chisel steady
- Far enough away to ensure the parallel portion of the chisel is in contact with the rest at all times during cutting
- The tool rest height should be such that the chisel cutting edge is set at the workpiece centre line.
- The user must be prepared to adjust the tool rest if the cutting conditions are not ideal.

Risk from entanglement/trapping

The risk can be reduced by:

- use of a hairnet, or hat with integral hairnet, if the operator has long hair
- ensuring there is no loose clothing, particularly around the wrists or arms
- removing jewellery/watches etc from fingers and wrists

Trapping accidents can occur during sanding operations on all types of lathe. To reduce the risk:

- use a backing board made of good quality wood or
- sandpaper in long strips with one end passed beneath the workpiece
- use paper towel when oiling or waxing.

After use

Reset lathe, remove all chucks and return to storage
Re install drive centres
Remove workpiece
Reset to low speed
Clean-up workspace, removing any dust with the vacuum and/or dustpan & brush.

Specifications

Maximum bowl diameter:533 mm (21")
Maximum between centres:508 mm (20")
Maximum swing over bed:355 mm (14")
Spindle speeds:95-3890 rpm
Motor input P1:1 kW - Motor output P2:0.75 kW
Thread:M33
Taper:2 Morse taper
Weight:48 kg
Dimensions: W870 x D290 x H252 mm

FOREST COMMUNITY SHED

SIP 01936 VARIABLE SPEED CAST IRON MIDI WOOD LATHE

A wood lathe is a type of lathe that has been designed specifically for its use in woodworking operations. Wood lathes are used to cut, face, drill, sand, deform, polish, and turn wooden workpieces.

Features

Powerful 550w (0.75hp) motor

Thermal cut-off switch

Robust heavy duty cast iron lathe bed

The SIP 01936 Wood Lathe has a quality cast iron construction. This lathe is suitable for the professional user or serious DIY enthusiast. A powerful ¾ HP motor provides ample power for any task and the lathe is complete with electronic variable speed to allow control.

Use

Ensure you receive full instructions prior to use

- Use extraction when sanding. Ensure gate is open and other unused gates are closed.

After use

Reset lathe, remove all chucks and return to storage

Re install drive centres

Remove workpiece

Reset to low speed

Clean-up workspace, removing any dust with the vacuum and/or dustpan & brush.

Specification

Digital display speed read-out

Input Supply	230v (13amp)
Motor Power	550w (0.75hp)
Speed Range	500 - 3500rpm
Headstock Taper	MT1
Tailstock Taper	MT1
Spindle Thread	3/4" x 16TPI
Between Centres	432mm (17")
Turning Diameter	305mm (12")
Overall Height	950mm
Net Weight	38.00kg

FOREST COMMUNITY SHED

RECORD POWER BS350 SABRE 14” BAND SAW

This machine is designed for cutting wood. It can safely cut some plastics and acrylics but should never be used to cut metal.

Two speeds, the slower speed being useful for very hard or brittle wood. The cam-action fence adjustment, spring-loaded guides, cam-action blade tension release and double-sided fence mount make it easy to setup.

Use

- Before use of the machine, it should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
- Keep work area clear. Cluttered areas and benches invite accidents and injuries.
- Keep the work area well lit.
- Keep other persons away, do not let yourself be distracted.
- Do not force the machine. It will do the job better and work more safely if operated at the speed at which it was intended.
- Do not abuse the cord.
- Do not overreach. Keep proper footing and balance at all times.
- Secure work. Ensure that your work piece is properly held before starting to cut.
- Use a push stick/feather board as necessary.
- Never leave machine running unattended. Turn power off, do not leave machine until it comes to a complete stop.
- Never start the machine with the saw blade pressed against the workpiece.
- Never apply sideways pressure on the blade as this may cause the blade to break.
- Care must be taken when cutting wood with knots, nails or cracks in it and / or dirt on it, as these can cause the blade to get stuck.
- DO NOT operate the machine when the door or the blade guard is not closed.
- Adjust the guard as close as possible to the workpiece being cut.

Specification

Maximum Depth of Cut:285 mm
Throat Depth:345 mm
Table Size:546 x 400 mm
Table Height from Floor:1029 mm
Motor input P1:1500 W
Motor output P2:1100 W
Blade Length:111
Blade Width Capacity:1/4 - 3/4
Blade Speed:440 and 1000 M / minute
Extraction Port Diameter:100 mm
Weight:116 kg
Size:H1892 x W870 x D656 mm

Spares

Blades 111" (1/4" x 6tpi, 3/8" x 6tpi, 1/2" x 4 skip) for 14” Bandsaw

FOREST COMMUNITY SHED

RECORD POWER BS250 10" BANDSAW

This machine is designed for cutting wood. It can safely cut some plastics and acrylics but should never be used to cut metal.

Use

- Before use of the machine, it should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
- Keep work area clear. Cluttered areas and benches invite accidents and injuries.
- Keep the work area well lit.
- Keep other persons away, do not let yourself be distracted.
- Do not force the machine. It will do the job better and work more safely if operated at the speed at which it was intended.
- Do not abuse the cord.
- Do not overreach. Keep proper footing and balance at all times.
- Secure work. Ensure that your work piece is properly held before starting to cut.
- Use a push stick/feather board as necessary.
- Never leave machine running unattended. Turn power off, do not leave machine until it comes to a complete stop.
- Never start the machine with the saw blade pressed against the workpiece.
- Never apply sideways pressure on the blade as this may cause the blade to break.
- Care must be taken when cutting wood with knots, nails or cracks in it and / or dirt on it, as these can cause the blade to get stuck.
- DO NOT operate the machine when the door or the blade guard is not closed.
- Adjust the guard as close as possible to the workpiece being cut.

Specification

Maximum Depth of Cut:120 mm
Throat Depth:240 mm
Table Size:315 x 350 mm
Table Height from Floor:370 mm
Motor input P1:350 W
Motor output P2:200 W
Blade Length:70 1/2"
Blade Width Capacity:1/4 - 1/2"
Blade Speed:740 M / minute
Extraction Port Diameter:58 mm (100 mm with supplied adaptor)
Weight:30 kg
Size:H860 x W550 x D480 mm

Spares

Blades 1785mm 1/4 inch 12.7mm

6TPI

FOREST COMMUNITY SHED

TORMEK T8 SHARPENING SYSTEM

Powerful and versatile water cooled sharpening system.

Precision Mounts ensure controllable and accurate sharpening.

Use

- Use correct jig for each tool
- Raise water trough prior to use.
- Do not use without instruction as tools can be damaged.
- Ensure honing wheel is oiled and honing compound applied if necessary

After use

- Remove all jugs and return to storage
- Lower water trough. Do not leave wheel wet.

Specification

Weight: 32.6 lbs (14,8 kg)
Grindstone: Tormek Original Grindstone SG-250 Aluminium oxide
Ø 10" × 2" (250 × 50 mm)
90 rpm, torque 14.7 Nm
Leather Honing Wheel Ø 85/8" × 1¼" (220 × 31 mm)
Motor: Industrial single phase, AC 200 W (input)
230 V, 50 Hz
Continuous duty
Maintenance free
Silent running, 54 dB
25,000 hour life
Water trough: When you clean the water trough, you'll find that most of the steel will be located on the magnet. When you remove the outside scraper, the magnet will release the steel particles and you can easily clean the trough.

Patented Precision Mounts Ensures controllable and accurate sharpening.

EzyLock to quickly switch grinding wheels

SE-77 Square Edge Jig

With the SE-77 Square Edge Jig, it is easy to set your wood chisels and plane irons for sharpening to a square corner. You can also set the jig for a slightly convex shape.

TT-50 Truing grindstone Tool

It will make the stone perfectly round and flat again.

WM-200

Gives angle setting with pin point accuracy from 15° to 75° on grindstones of 6" to 10" in diameter. The WM-200 is also provided with angle checking notches around its edge to enable bevel angles to be repeated or progress checked.

SVS-50 MULTI-JIG – to buy?

There are two holders provided, one for turners' skew chisels, either oval or square section, from 13mm to 35mm wide, and the other for carvers' skew chisels, parting tools, roughing gouges and wide carving gouges up to 50mm wide. Great for replication of the shape on turning skew chisels with a straight or curved edge.

FOREST COMMUNITY SHED

WARCO 3216 WM-16 VS MILL

Milling machines help to produce parts that are more complex than the average 3D printer can handle.

It is a device that rotates a circular tool that has a number of cutting edges symmetrically arranged about its axis and the workpiece is commonly held in a vice or similar device clamped to a table that can move in three perpendicular directions.

Milling Machines are used for machining solid materials, including metal, plastic, and wood, and are commonly used to machine irregular and flat surfaces. The cutter is designed to rotate during the operation as opposed to a lathe, where the part itself rotates during the cutting operation.

WM16 features include

- Infinitely variable from 50 - 2250 rpm
- Dovetail column ensures positive head location
- Precision spindle supported on taper roller bearings
- Adjustable gibs to slideways
- Reversible motor
- Head tilts plus or minus 90°
- Rack and pinion drill feed plus fine feed for extremely accurate machining
- Locks to head, column and slideways
- Drawbars - in 10mm and 3/8" Whit. sizes
- Drill chuck - 13mm
- Arbor for drill chuck

Specification

Item No. (Metric / Metric DRO)	3217YZ / 3217DRO
Drill chuck capacity	13mm
Maximum end milling capacity	16mm
Table size	700 x 180mm
No. of tee slots	3
Longitudinal traverse	485mm
Cross traverse	175mm
Distance spindle to table	370mm
Throat	170mm
Spindle taper	2MT
Spindle stroke	50mm
Number of speeds	Variable
Speed range	50-2250 rpm
Head tilt left and right	90º - 0 - 90º Calibrated 45º - 0 - 45º
Motor	750w
Power supply	240v / 1PH
Dimensions W x D x H	950 x 590 x 930mm
Weight	113kg

Collets
Hold down clamps
Machine vice
Comprehensive 52 piece clamping kit set

Milling Machine Vice - 80mm Jaw Width
High quality, long lasting, dependable mill vices.
Swivel, calibrated base which can be removed for direct mounting.
Close grain cast iron body.
Supplied with pair of tee bolts.

Tenons on underside to align vice in tee slot.

Clamping Kits - 52 Piece

Comprehensive 52 piece clamping kit set

Set includes

- 24 x studs - 3, 4, 5, 6, 8" long
- 6 x 'T' nuts
- 4 x Coupling nuts
- 6 x Steel step
- 6 x Flanged nuts
- 6 x Step blocks.

W3 10mm stud (Item No. 8012)

- WM 16
- WM 16B
- GH 18

W4 12mm stud (Item No. 8013)

- WM 18
- WM 18B
- Major
- Major GH
- GH Universal
- Super Major
- Super Major Vario
- VMC
- VMC Vario
- WM 20
- 4VS
- HV Universal
- WM 50
- Economy / VSE (since discontinued)
- DT 25 (drilling machine)
- 40BSF (drilling machine)

W5 14mm stud (Item No. 8014)

- WM 40

FOREST COMMUNITY SHED

DEWALT DWV902M PORTABLE FINE DUST EXTRACTOR

The DWV902 provides 38L capacity of M-Class extraction.
With a generous airflow of 4,080L/min and innovative, auto clean dual filters, users can operate it as an independent machine, or attached to a power tool for direct extraction. 240V mains powered.

Use

- Attach to hand held Dewalt sanders prior to use.

A filter is automatically cleaned every 30 seconds reducing filter clogging and delivering constant air flow
M-Class to meet EU legislation. Suitable for use on construction sites
Telescoping handle and large rear wheels allow easy transportation over jobsite
Wet and dry pick up with variable suction control allows for the reduction of suction power if required
Innovative dual filter cleaning system maintains performance during tough construction applications
Automatic start and stop control when the power tool is operated. The machine continues to run for an extra 15 seconds to allow all dust to be cleared from system.

Specification

Weight	5 KG
MAX. AIRFLOW	64 L/SEC
TANK CAPACITY	38 L
Hose length	4.6 m
Hose Connection	Air Lock
Hose Diameter	32 mm
Power Input	1400W
Extraction Classification	M Class
Power Take Off Rating:	Europe440 W
Height	695 mm
Sound Pressure	75 dB(A)

FOREST COMMUNITY SHED

DEWALT DWE6423 125MM RANDOM ORBIT SANDER

Random orbital sanders combine circular sanding discs with simultaneous reciprocal and eccentric circular motions to provide an ultra smooth finish. They eliminate the swirling pattern commonly found (often too late) after using a standard orbital sander.

Suitable for a wide range of applications in wood and other materials.

The DeWALT DWE6423 has a 280W motor and variable speed control with speeds between 8,000 to 12,000 orbits per minute. An ergonomic textured anti-slip top and body grips ensures both comfort and control. A dust sealed switch and sealed ball bearings prevent contamination of the internal components, enhancing the tool's durability and working life span.

The sander uses hook and loop paper for secure attachment and fast changing.
The dust extraction port is compatible with the DeWALT AirLock system.

Use

Attach to Dewalt portable extractor prior to use.

Attach required grit hook and loop paper

Key Features

280W motor with variable speed control
Uses hook and loop discs; secure and easy change
Reliable, robust, hard working and durable
Dust sealed switch and sealed bearings; long working life
Ergonomic anti-slip grip for comfort and control.

Specification

Motor Power, 280 W
Nett Weight, 1.28 kg
No Load Speed, 8,000 - 12,000 rpm
Orbit Diameter, 2.6 mm
Pad Size, 125 mm
Plug Fitted, UK 3 pin plug
Rating, Trade/Professional
Sound Power Level LwA [Uncertainty K], 91 dB(A) [3.0 dB]
Sound Pressure Level LpA [Uncertainty K], 80 dB(A) [3.0 dB]
Vibration Sanding [Uncertainty K], 2.5 m/s^2 [1.5 m/s^2]
Voltage, 230 V

Spares

125mm dia, 8 hole hook and loop paper
Grits available: 60, 80, 120, 180, 240, 400

FOREST COMMUNITY SHED

DEWALT DWE6411 PALM SANDER

A strong and powerful palm sander. Its lower profile design lets you to get closer to the work surface and offers greater one-handed control. The 230W motor produces 14,000 orbits per minute, achieving a superior finish in the minimum time.

A separate counterweight reduces vibration, while the textured rubber top grip provides greater comfort and control. The switch has a rubber boot seal to prevent the ingress of dust for a longer tool life. The 108 x 114mm hook and loop base allows you to use compatible abrasives for quick changes as you work down through the grits to achieve a fine finish. In addition, an improved clamping system provides a secure grip for plain backed abrasive.

The DeWALT DWE6411 has built-in vacuum connector

Key Features
Rubber, textured, anti-slip grip minimises hand fatigue
Dust sealed switch increases durability and longevity
Hook and loop base allows faster abrasive changes
Improved paper clamps for conventional abrasives
Low vibration design for greater comfort and control
14,000 orbits per minute, provide superior finish
High capacity dust bag with built-in vacuum adaptor

Specification

Motor Power, 230 W
Nett Weight, 1.4 kg
No Load Speed, 14,000 rpm
Orbit Diameter, 1.4 mm
Pad Size, 108 mm x 114 mm
Plug Fitted, UK 3 pin plug
Rating, Trade/Professional
Sound Power Level LwA [Uncertainty K], 93 dB(A) [3.0 dB]
Sound Pressure Level LpA [Uncertainty K], 82 dB(A) [3.0 dB]
Vibration Sanding [Uncertainty K], 4.0 m/s^2 [1.5 m/s^2]
Voltage, 230 V

Spares
BOSCH C470 ABRASIVE SHEETS 107 X 115MM (PKT 10)
40, 80, 120, 180 grit

FOREST COMMUNITY SHED

DEWALT D26430 DETAIL SANDER

Specifically designed for small areas, this detail sander is ideal for a range of purposes, particularly in restoring old furniture. Lightweight and easy to operate, this is the ideal sander for the more technical sanding jobs.

Variable speed control 14,000-22,000 orbits per minute
Large orbit size for high stock removal
Dust collection using integrated extraction or external dust extractor for a better sanding performance and sheet life
High performance motor for extended life
Interchangeable quick fit sanding pad, with optional scraper blade or louvre attachments
360 degree rotating base plate for improved access and uniform sanding sheet wear
Improved sealing for maximum protection from dust ingress ensuring long tool life
Ergonomic rubber coated back handle design for improved comfort in use
Rounded ergonomic industrial design allows easy and comfortable handling in any application
Output air slots designed to protect users' eye

Specifications

Product Weight [Metric], 1.3 Kg
Power Source, Corded
Product Length [Metric], 305 mm

Spares

93mm triangular sanding sheets
60, 80, 12, 240 grit

FOREST COMMUNITY SHED

ITECH DC002 EXTRACTOR

3HP 220V FINE FILTER

Cyclone filtration system

16A supply

Suitable for Fine Dust

Use

Permanent connection to sanding machines.

Connection gate on each inlet.

Specification

Filtration to 1 micron. Internal mounting size 500mm Diameter.

Motor power] [3hp]
NB - Will require 16A supply
[Fan diameter] [300mm]
[Inlet diameter] [150]
[Inlet holes] [3 x 100mm]
[Air capacity] [1490cfm]
[Bag diameter] [500mm]
[Packing size] [1220 x 580 x 580mm] x 2
[Noise level] 89dB
Standard bag filtration efficiency is 30 micro

Spares

500mm dia Disposable bags

FOREST COMMUNITY SHED

MAKITA RANDOM ORBIT SANDER 150MM BO6050J

Random orbit mode for finish sanding and buffing
Roto-orbit mode for coarse sanding and polishing

Use

Attach correct abrasive disc for job
Connect to extractor prior to use

Variable speed control
Soft start
Constant speed control
Pad brake
Ergonomically designed high comfort grip.
Slim skirt provides higher work efficiency in tight spaces e.g. car door handle
Side handle for operator control.
Hook and loop type abrasive paper to be used.

Specification

Strokes per Minute3,200 – 13,600 spm
Abrasive Disc150 mm
Speed Control Variable by Dial
Noise sound pressure 82 dB(A)
Noise sound power 93 dB(A)
Noise K factor 3 dB(A)
Input wattage750 w
Orbits per Minute1,600 - 6,800 opm
Orbit Diameter5.5 mm
Vibration K factor 1.5 m/sec²
Vibration: Sanding 5 m/sec²
Vibration polishing 3 m/sec²
Net weight 2.6 kg

Spares

Hook & loop abrasive discs.
60, 120, 180, 240 grit
Routing: A-weighted sound power level, LWA 95.00 dB(A)

FOREST COMMUNITY SHED

FESTOOL DF500 JOINTER SYSTEM

The DOMINO system unites the precision of a round dowel with the flexibility of a traditional flat dowel – the perfect solution for panel joints. The system consists of the DF 500 dowel jointer, DOMINOs in different sizes and a wide range of accessories for special applications. The result: extremely strong, invisible joints. And DOMINO can do much more: rack joints, frame joints, drawer joints, etc.
More precise joints, larger glued area, more stability.

Use

Insert correct cutter
Adjust to desired dowel size
Attach to Festool extractor prior to use

Adjustments

Precision mitre routing using presettings or infinitely variable routing angle adjustment.
Innovative stop cap system. The routing height and depth is adjusted using the preselection slider and detent lever lock. The options are 12, 15, 20, 25 and 28 mm.

Stop positions for hole centres 16, 20, 22, 25, 28 and 40mm

Specification

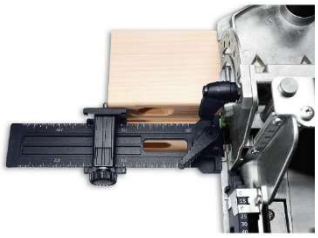
Power consumption	420 W
Idle engine speed	25 500 min^{-1}
Depth stop for routing depth	12, 15, 20, 25, 28 mm
Max. routing depth	28 mm
DOMINO slot cutter	dia. 4, 5, 6, 8, 10 mm
Routing height adjustment	5 - 30 mm
Mitre routing	0 - 90 °
Dust extraction connection	dia 27 mm
Cable length	4.00 m
Product weight	3.50 kg

Accessories

Trim stops

Additional stop

Cross stop



Spares

4, 5, 6, 8 and 10mm DOMINO cutters
DOMINO beech dowels - 4mm x 20mm, 5mm x 30mm, 6mm x 40mm, 8mm x 40mm, 8mm x 50mm and 10mm x 50mm.

Trim stops

To help align narrow wooden strips between 22 and 70mm centrally, plus it can also be used for mitre cuts.

- No measuring or marking required, as there is an exact alignment with the stop on the workpiece
- Simple setting of the strip width using the integrated scale
- Quick mounting without tools on the support base
- Exact fine adjustment for initial installation via grub screws possible

Additional stop

- Gives extra support to the support extension
- Fitted with two distance spacers that can be folded individually
- Precise positioning of thin work pieces with the fixed stop

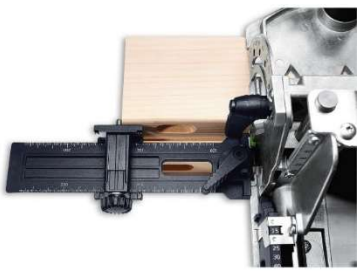
Increases the bearing surface and reduces the lateral distance between the stop catches and the centre of the DOMINO. This allows narrow workpieces to be positioned with precision.

- Simple installation on the machine without the use of tools
- For narrow workpieces, the dowel can be put nearer the stop edge, making more varied applications possible
- Stop pins can quickly be folded in or out as needed
- Increases the bearing surface of the machine, therefore the risk of tipping over, for example in the edge zone, is minimised
- support widener and side stop
- for reducing the dowel centre from 37 mm to 20 mm
- for secure positioning of the router

Main applications

- Joining narrow workpieces
- Working near edges

Cross stop



- Used for repeat hole spacing between 100 and 205mm
- Self aligns, no need to mark the workpiece

FOREST COMMUNITY SHED

FESTOOL Mobile dust extractor CTL 26 E 230V CLEANTEC

Power consumption	350 – 1 200 W
Max. volume flow	3900.00 l/min
Max. vacuum	24000.00 Pa
Filter surface area	6318.00 cm²
Rubber-insulated mains cable	7.50 m
Container/filter bag capacity	26/24 l
Dimensions (L x W x H)	630 x 365 x 540 mm
Max. appliance socket connected load	1610.00 W
Dust class	L
Cable length	7.50 m
Product weight	14.80 kg

FOREST COMMUNITY SHED

MORSO MITRING MACHINE MODEL F

The perfect machine to cut picture mouldings, wooden, plastic and MDF mouldings.

Tenon, mortise joints, and a wide variety of angled cuts can also be made.

Dust free (using special made knives and not rotating saw blades) and noiseless cutting machine for picture frames, mirrors, door frames, glazing beads, window frames etc. Exact 45 degree angle. No problem with vibrations from rotating saw blades. No dust extraction necessary for any of the machines. For small, medium and high volume production.

Use

- cuts double mitre at 45° and single mitre up to 90°.
- Tenon, mortise joints, and a wide variety of angled cuts can also be made.
- The waste of your moulding will be minimized as Morso F cuts double mitres very close, (less than one mm waste of moulding).
- Leaves the cut surface of the wood perfectly smooth and accurate, requiring no further preparation before joining. The horizontal movement of the knife block is stepwise adjustable. The sliding longitudinal stop and measuring scale ensure accurate repeat work.
- The special lever system of the machine ensure a very easy operation. Twin return springs automatically bring the knives back to starting position.

Morso F has a safety guard, waste chute, sliding longitudinal stop, measuring scale, adjustable fences (45° - 90°), and adjustable rebate supports.

Morso F is manually operated with a foot pedal - needs no compressor or electricity and can therefore be operated anywhere.

Technical data for Morso Model F Mitring Machine	
Double mitre	45°
Single mitre up to	90°
Cutting width, max.	100 mm
Cutting height, max.	160 mm
Square cutting	65/65 mm
Measuring scale up to	1,500 mm
Net weight	90 kg

Use with manually operated frame underpinner (nailer)

FOREST COMMUNITY SHED

FRAME UNDERPINNER

An underpinner joins two lengths of picture frame moulding at the corners by firing V Nails between the two.

Powerfully inserts v-nails with minimal effort. It also offers good feedback allowing the operator to feel when the v-nail has been fully driven in. Pedal height is adjustable.

Use

Foot operated

Adjust the top clamp to suit the height of the moulding.

Specification

- Max Width of Moulding: 130mm
- Max Height of Moulding: 80mm
- V Nail Capacity: 220 V-Nails
- Max V Nails Inserted Per Position: 9 V-Nails
- V-Nail Insertion Positions: Multiple
- Max Distance Between V Nails: 180mm
- Work surface: 330mm x 440mm
- Width: 450mm
- Length: 750mm
- Height: 1280mm
- Weight: 38kg

Accessories

V nails/frame fasteners

ULTIMAT GOLD Mount cutter

FOREST COMMUNITY SHED

DELTA HOLLOW CHISEL MORTISER 14-650

Used to mortise and tenon joints in a variety of hardwoods. It has a inch chisel blade and an inch auger for making accurate, smooth mortises.

The machine also comes with a built-in stop for preventing over-mortising, as well as a depth gauge for checking the depth of your mortises.

Use

- Keep work area clean: cluttered areas invite injuries
- Store idle tools
- Do not force the tool
- No loose clothing or jewellery, tie back long hair
- Use safety glasses
- Secure your work: use the clamps/vice to hold the work
- Do not overreach
- Keep tools clean and sharp for better and safer performance
- Turn off when not in use
- Remove adjusting keys and wrenches
- Before use check guard and other parts for damage
- Do not attempt to mortise material that is not flat, unless a suitable support is used
- Position hold down directly above the workpiece to prevent lifting
- Support workpiece to prevent rotation
- When cutting a through mortise, a thin piece of wood is placed between the workpiece and table to prevent 'chip out' and damage to the table
- Never turn on with the drill bit contacting the workpiece
- Adjust the depth stop to avoid drilling the table
- Turn off power before removing scrap piece from the table

Shut off the power, remove the drill bit and chisel and clean the table before leaving the machine

Don't wear gloves when operating this machine

Specification

Key chuck: 9.5mm

Chisel size: 12.7mm max 15.9mm

Head travel: 127mm

Chisel center: 60.3mm to fence: 88.9mm without depth stop

Under holddown: 110.6mm

Fence size: 39.6mm x 342.9mm

Base size: 161.9mm x 254mm

Table size: 161.9mm x 342.9mm

Weight: 21.3kgs

FOREST COMMUNITY SHED

SCHEPPACH PLANER MACHINE - HMS 260

A planer thicknesser is a woodworking machine, used to plane lengths of timber to a consistent thickness and width.

Planer width surfacing	260mm
Planer width thicknessing	250mm
Passage height thicknessing	140mm

Use

- Connect to extractor
- Work with good, splinter proof wood
- All safety mechanisms and covers must be on the machine
- Only begin work when once the complete rotation speed is reached
- Use only well sharpened planing blades, replace defective blades immediately
- Always match the planer block protector to the workpiece width. The unused part must be covered
- Use a feed stick for short pieces
- When inserting a workpiece always use devices to prevent backlash
- When leaving the machine turn off the power at the wall.

When thickness planning the length of the workpiece must be at least 20cm and the thickness must be at least 5mm.

Specification

Jointing width	260 mm
Power	2500 W
Max jointing depth	3 mm
Tables length	1040 mm
Type of Cutters	2 standard or replaceable knives
Fence Tilt	90-45 °
Working height	820 mm
Weight:	80 kg
Total height	570 mm
Total width	770 mm
Motor Voltage	3x 400V 1x 230V
Motor Frequency	50 Hz
Jointing width	260 mm
Planer Width	250 mm
Max depth of cut	5 mm
Table length	430 mm
Max workpiece height	140 mm
Feed rate(s)	5m/min
Operating noise	96.9 dB

FOREST COMMUNITY SHED

HEGNER SCROLL SAW

The machines are intended solely for sawing wood, plastics, NF metals and soft iron with fretsaw blades and marquetry saw blades with a length of 130 mm

Only cut workpieces which are securely supported and can be guided.

Before starting work

- Check that the machine is switched off. ⇒ Point 8.3
- Check that the saw blade fitted is suitable for the work.
- Check that the saw blade is clamped tightly.
- Check that all protective devices are fitted.

During work

- Remove residue and cuttings only when the machine is switched off.
- On power failure, set the on / off switch to O.

After work

Switch off the machine
Return any changes to a normal position

Remaining risks

Even on proper use and despite observation of all relevant safety regulations, because of the design required for the purpose of the machine, the following remaining risks can still arise

.- Touching the fretsaw blade.
- Breakage of fretsaw blade.

Specification

Clearance length 365 mm
Clearance height 50 mm
Max. cut height 50 mm
Saw table size 435 x 230 mm, 45º swivel Length x width 520 x 270 mm
Saw blade stroke 12 and 15 mm
Motor 230 V~, 50 Hz, 100 watt output power
Weight Approx 16 kg net
Length of saw blade 130 mm
Extraction connection Ø 35 mm
Mains fuse 6 A

Spares

saw blade 130 mm

FOREST COMMUNITY SHED

AXMINSTER PROFESSIONAL AP700PD FLOOR PILLAR DRILL - 230V

The chuck guard is electrically interlocked for safety. The switch system has a separate locking emergency stop switch, plus a separate switch for the LED work light. Table height is controlled via a rack and pinion system.

Clamp work using:

UJK Drill Table & Fence

Increases the work area, better support for large woodworking pieces
26mm MDF table, 595 x 395mm in size
Full length aluminium fence, adjustable fence plates and repeat stop
Reversible to suit a wide range of pillar drills
Toggle clamp system for ease of fitting or removal

Vee block

Simply bolts into the table in place of the sacrificial plate
Allows you to accurately drill round workpieces
It has a centring hole for accurate placing for the drill bit

Hold down clamp

Strong anodised aluminium
75mm long reach
M8 x 75mm tee-bolt fits UJK T-Track and standard mitre slot track
M8 star knob with through thread
Non-marring tips prevent damage
Features an aluminium stepped track adaptor for use in mitre slot tracks

Specification

Base Size	520 mm x 320 mm
Chuck Capacity	1 mm to 16 mm
Chuck Travel	80 mm
Chuck Type	keyless
Diameter of Column	80 mm
Max Chuck to Base	1,150 mm
Max Chuck to Table	700 mm
Max Drilling Mild Steel	25 mm
Morse Taper	3 MT
Nett Weight	108 kg
Power	750 W
Rating	Trade/Professional
Speed Range	120 - 2,580 rpm (10)
Table Size	345 mm x 345 mm
Table Tilt	45° - 0° - 45°
Throat Depth	216 mm

Use

- No loose clothing, hanging jewellery, or untied long hair
- Ensure eye, hearing and clothing protection and appropriate footwear is worn prior to operation
- Identify ON/OFF switch and emergency stop button (if applicable).
- Make sure the drill bit is securely in chuck
- Clamp workpiece in suitable work vice
- Use wood block to avoid break out
- Switch off the machine and leave the work area and drill in a safe and clean state.
- Return any bits used to storage rack - do not leave in drill

After use

Return any settings to: table at a reasonable height and level
Remove drill and clamps to storage
Ensure good housekeeping practices are in place to minimise dust build-up.

FOREST COMMUNITY SHED

MAKITA DLS110Z 18v/36v Brushless Mitre COMPOUND MITRE SAW

Portable saw using 2 Makita 18v batteries. Automatic torque drive technology, and easy bevel adjustment.

Ensure machine operation is clearly understood
No loose clothing, hanging jewellery, or untied long hair
Ensure eye, hearing and clothing protection and appropriate footwear is worn prior to operation
Identify ON/OFF switch and emergency stop button (if applicable)
Is the saw suitable for the selected job. Consider the depth and width of cut, size and shape of material. Can the material be safely clamped?
Focus completely on the task, don't talk to other people, don't look around, don't hurry!
All safety mechanisms and covers must be on the machine
Test material for any metal if using second hand timber
Only begin work when once the complete rotation speed is reached

Preparation
Clear table of all clutter, dust, off cuts, etc
Set and lock cutting angles, including compound settings
Clamp workpiece if possible, if not hold firmly against rear fence with left hand well clear of blade
Set depth of cut if trenching
Adjust length of supports to safely hold workpiece
Turn on extraction

Cutting
Operate lock to release blade and smoothly and gently lower through the cut moving from front to back
Wait until blade stops before removing cut material

Dont's
Touch the blade, ever!
Clear off cuts while blade is spinning
Reach over blade
Place finger in line with blade at any time
Do not start the saw with the work piece touching the blade
Do not commence sawing until the blade has run up to full speed
After switching off, never try to slow the saw down more quickly with a piece of timber
Wait until blade stops before removing cut material
Apply the old joiner's adage of never getting hands within one handbreadth of the blade i.e 100mm
Never leave the vicinity of the machine unless the blade has come to a complete stop.

Return any settings to…..
Return blade to 90degrees to table when finished
Clear up waste

Specification

Battery Type: Lithium-ion
Voltage: 36 (18x2) v
Blade Diameter: 260 mm
Bore Diameter: 30 mm
No Load Speed: 4400 rpm
Max bevel range: 48 - 48 º
Max mitre range: 60 - 60 º
Max Cutting Capacity: 68 x 310 mm
Noise sound pressure: 92 dB(A)
Noise sound power: 102 dB(A)

FOREST COMMUNITY SHED

MAKITA DBO180Z 18V Li-Ion LXT SANDER

Portable battery orbital sander and polisher.

The tool is equipped with a tool/battery protection system, to cut off the power to extend tool and battery life.

- Overload protection - turn the tool off and stop the application that caused the tool to become overloaded.
- Overheat protection - let the tool and battery cool before turning the tool on again.
- Over discharge protection - when the remaining battery capacity gets low. Remove and charge the battery.

Use

- Always use safety glasses or goggles
- Do not leave the tool running
- Operate the tool only when hand-held
- This tool has not been waterproofed, so do not use water on the workpiece surface
- Ventilate your work area adequately. Some material contains chemicals which may be toxic.
- Use appropriate respiratory protection
- Use dust extraction and collection facilities
- Do not overreach. Keep proper footing and balance at all times.
- Dress properly. Do not wear loose clothing or jewellery.
- Keep your hair, clothing and gloves away from moving parts.
- Be sure that there are no cracks or breakage on the pad before use.

Operation

- Hold the tool firmly.
- To start the tool, press the start/speed adjusting button.
- Wait until it attains full speed.
- Then gently place the tool on the workpiece surface.
- Keep the pad flush with the workpiece and apply slight pressure on the tool.

The tool starts with high speed mode. Each time you press the start/speed adjusting button, the speed mode changes in an order of hi speed, middle speed, and low speed. To stop the tool, press the stop button.

Speed mode	Number of rotations	Usage
High	11,000	Regular sanding
Middle	9,500	Finish sanding
Low	7,000	Polishing

Battery

Always switch off the tool before installing or removing of the battery cartridge.

Hold the tool and the battery cartridge firmly when installing or removing battery cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

Indicator light - Press the check button on the battery cartridge to indicate the remaining battery capacity.

Specification

- Pad size 123mm
- Paper size 125mm
- Item Weight 1.3 kg
- Battery Type: Lithium-ion
- Voltage 18 Volts
- Horsepower 1 hp
- Amperage Capacity 5 Amps

FOREST COMMUNITY SHED

MAKITA PALM ROUTER/TRIMMER DRT50ZX4 18V

For flush trimming and profiling of wood, plastic and similar materials

Brushless motor

Soft start

Variable speed control dial

Constant speed control

LED job light

Push button with lock on/off

Connectable to dust extractor

Aluminium base for higher durability and accuracy

Aluminium housing

Specification

Speed: 10,000 - 30,000 min

Voltage: D.C18 V

Net weight: 1.8 - 2.1 kg

- Connectable to dust extractor
- Collet capacity 3/8"and 1/4"
- Plunge capacity (trimmer) 0 to 40mm
- Plunge capacity (plunge) 0 to 35mm

Use

To turn on the tool, press the lock/unlock button. The tool turns into the standby mode. To start the tool, press the start/stop button in the standby mode. To stop the tool, press the start/stop button again. The tool turns into the standby mode. To turn off the tool, press the lock/unlock button in the standby mode.

The rotation speed of the tool can be changed by turning the speed adjusting dial.

Number	Speed
1	10,000 min^{-1}
2	15,000 min^{-1}
3	20,000 min^{-1}
4	25,000 min^{-1}
5	30,000 min^{-1}

Battery

Always switch off the tool before installing or removing of the battery cartridge.

Hold the tool and the battery cartridge firmly when installing or removing battery cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.

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