
DEWALT®

DWE492

DWE493

D28413

www.DEWALT.com

Figure 1

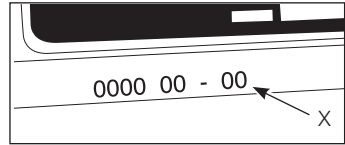
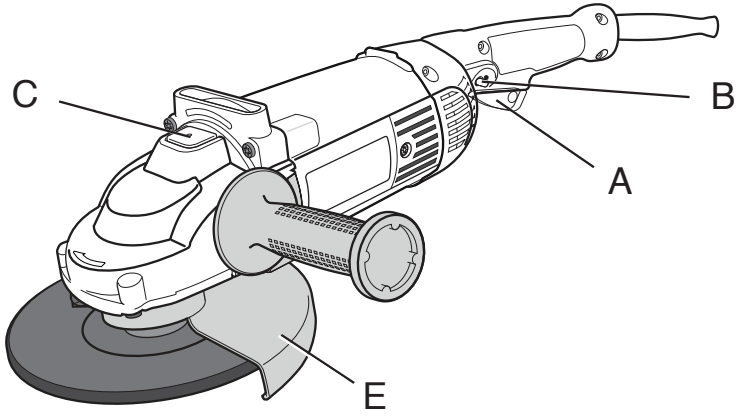


Figure 2

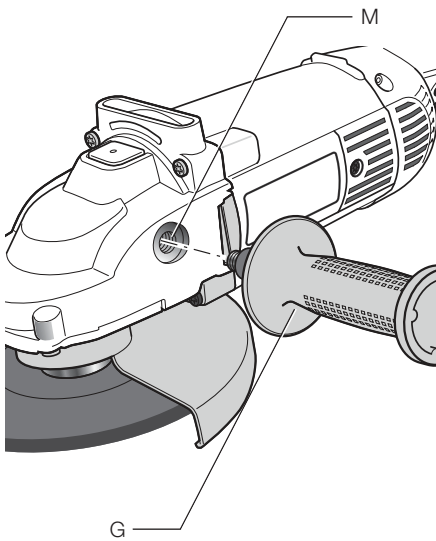


Figure 3

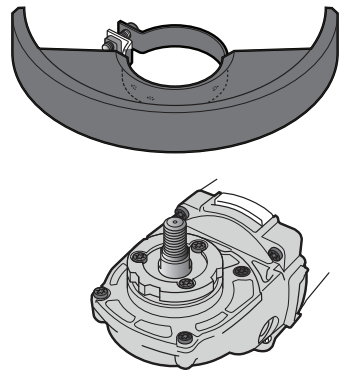


Figure 4

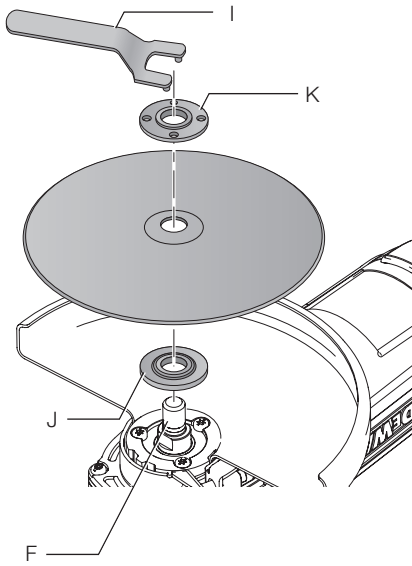


Figure 5

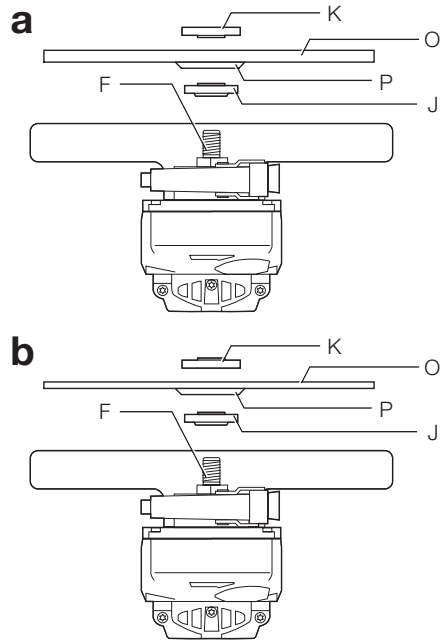
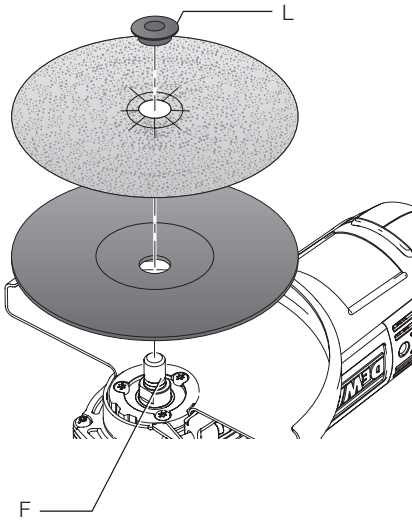


Figure 6



LARGE ANGLE GRINDER

DWE492, DWE493, D28413

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DWE492	DWE493	D28413
Voltage	V _{AC}	220-240	220-240	220-240
Type		20	20	20
Power input	W	2200	2200	2200
No-load/rated speed	min ⁻¹	6600	8500	8500
Wheel diameter	mm	230	180	180
Spindle diameter		M14	M14	M14
Spindle length	mm	19	19	
Weight	kg	5.2	5.2	4.7

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.



WARNING: To reduce the risk of injury, read the instruction manual.

General Power Tool Safety Warnings



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) WORK AREA SAFETY

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do**

not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This

enables better control of the power tool in unexpected situations.

- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) SERVICE

- a) *Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.*

ADDITIONAL SPECIFIC SAFETY RULES FOR LARGE ANGLE GRINDERS

Safety Instructions for All Operations

- a) *This power tool is intended to function as a grinder, sander, wire brush or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

- b) *Operation such as polishing is not recommended to be performed with this power tool.*

Operations for which the power tool was not designed may create a hazard and cause personal injury.

- c) *Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.*

- d) *The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.*

- e) *The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.*

- f) *Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*

- g) *Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheel for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position*

yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.

- h) *Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*
- i) *Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.*
- j) *Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electrical shock.*
- k) *Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*
- l) *Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.*
- m) *Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*
- n) *Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*
- o) *Do not operate the power tool near flammable materials. Sparks could ignite these materials.*
- p) *Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.*

FURTHER SAFETY INSTRUCTIONS FOR ALL OPERATIONS

Causes and Operator Prevention of Kickback

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start up.** The operator can control torque reaction or kickback forces, if proper precautions are taken.
- b) **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- c) **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- d) **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- e) **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations

- a) **Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel.** Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.
- b) **The grinding surface of centre depressed wheels must be mounted below the plane of the guard lip.** An improperly mounted wheel that projects through the plane of the guard lip cannot be adequately protected.
- c) **The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator.** The guard helps to protect the operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.
- d) **Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel.** Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.
- e) **Always use undamaged wheel flanges that are of correct size and shape for your selected wheel.** Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.
- f) **Do not use worn down wheels from larger power tools.** Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

Additional Safety Warnings Specific for Abrasive Cutting-Off Operations

- a) **Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.** Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.
- b) **Do not position your body in line with and behind the rotating wheel.** When the wheel, at the point of operations, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

- c) **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur.** Investigate and take corrective action to eliminate the cause of wheel binding.
- d) **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully reenter the cut.** The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.
- e) **Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.
- f) **Use extra caution when making a “pocket cut” into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

Safety Warnings Specific for Sanding Operations

- a) **Do not use excessively oversized sanding disc paper. Follow manufacturer’s recommendations, when selecting sanding paper.** Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

Safety Warnings Specific for Wire Brushing Operations

- a) **Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush.** The wire bristles can easily penetrate light clothing and/or skin.
- b) **If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard.** Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

Additional Safety Rules for Grinders

- **Do not use Type 11 (flaring cup) wheels on this tool.** Using inappropriate accessories can result in injury.

- **Always use side handle. Tighten the handle securely.** The side handle should always be used to maintain control of the tool at all times.



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

Residual Risks

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- Impairment of hearing.
- Risk of personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.

DATE CODE POSITION (FIG. 1)

The date code (X), which also includes the year of manufacture, is printed into the housing.

Example:

2016 XX XX

Year of Manufacture

Package Contents

The package contains:

- 1 Angle grinder
 - 1 Guard
 - 1 Side handle
 - 1 Flange set
 - 1 Two-pin spanner
 - 1 Instruction manual
- Check for damage to the tool, parts or accessories which may have occurred during transport.
 - Take the time to thoroughly read and understand this manual prior to operation.

Description (Fig. 1, 4)



WARNING: Never modify the power tool or any part of it. Damage or personal injury could result.

- A. On Off Trigger
- B. Lock On Button
- C. Spindle Lock
- E. Wheel Guard
- F. Spindle
- G. Side handle
- I. Two Pin Spanner
- J. Backing Flange
- K. Threaded Clamp Nut

INTENDED USE

Your heavy-duty angle grinder has been designed for professional grinding, sanding, wire brush and cutting.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

These heavy-duty angle grinders are professional power tools.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



Your DEWALT tool is double insulated in accordance with EN60745; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DEWALT service organisation.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. If an extension cable is required, use an approved 3-core extension cable suitable for the power input of this tool (see **Technical Data**). The minimum conductor size is 1.5 mm²; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

ASSEMBLY AND ADJUSTMENTS



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

Attaching Side Handle (Fig. 2)



WARNING: Before using the tool, check that the handle is tightened securely.



WARNING: The side handle should always be used to maintain control of the tool at all times.

Screw the side handle (G) tightly into one of the holes (M) on either side of the gear case.

Mounting and Removing a Keyed Guard (Fig. 1, 3)



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.



CAUTION: Guards must be used with this grinder.

When using the grinder for cutting metal or masonry a Type 1 guard **MUST** be used. Type 1 guards are available at extra cost from DEWALT distributors.

NOTE: Please refer to the **Grinding and Cutting Accessory Chart** at the end of this section to show other accessories that can be used with these grinders.

1. Place the angle grinder on a table, spindle (F) up.
2. Align the lugs (N) with the notches (O).
3. Press the guard (E) down and rotate it to the required position.
4. Securely tighten the screw.
5. To remove the guard, slacken the screw.
4. Place the sanding sheet on the rubber backing pad.
5. Screw the threaded sanding clamp nut (L) supplied with the backing pad onto the spindle. The ring on the threaded clamp nut must face towards the rubber backing pad.
6. Press the spindle lock button (C) and rotate the spindle (F) until it locks in position.
7. Tighten the threaded sanding clamp nut (L) with the two-pin spanner.
8. Release the spindle lock.
9. To remove the rubber backing pad, loosen the threaded clamp nut (L) with the two-pin spanner.



CAUTION: If the guard cannot be tightened by the adjusting screw, do not use the tool. To reduce the risk of personal injury, take the tool and guard to a service center to repair or replace the guard.

Fitting and Removing a Grinding or Cutting Disc (Fig. 1, 4, 5)



WARNING: Do not use a damaged disc.

1. Place the tool on a table, guard up.
2. Fit the backing flange (J) correctly onto the spindle (F) (Fig. 4).
3. Place the disc (O) on the backing flange (J) (Fig. 5). When fitting a disc with a raised centre, make sure that the raised centre (P) is facing the backing flange (J).
4. Screw the threaded clamp nut (K) onto the spindle (F) (Fig. 6):
 - a. The ring on the threaded clamp nut (K) must face towards the disc when fitting a grinding disc (Fig. 5a);
 - b. The ring on the threaded clamp nut (K) must face away from the disc when fitting a cutting disc (Fig. 5b).
5. Press the spindle lock button (C) and rotate the spindle (F) until it locks in position.
6. Tighten the threaded clamp nut (K) with the two-pin spanner supplied.
7. Release the spindle lock.
8. To remove the disc, loosen the threaded clamp nut (K) with the two-pin spanner.

Fitting and Removing a Backing pad/Sanding sheet (Fig. 1, 4, 6)

1. Place the tool on a table or flat surface, with the guard facing up.
2. Remove the backing flange (J).
3. Place the rubber backing pad correctly onto the spindle (F).

Fitting a Wire Cup Brush

Screw the wire cup brush directly onto the spindle without the use of the spacer and threaded flange.

Prior to Operation

- Install the guard and appropriate disc or wheel. Do not use excessively worn discs or wheels.
- Be sure the inner and outer flange are mounted correctly. Follow the instructions given in the **Grinding and Cutting Accessory Chart**.
- Make sure the disc or wheel rotates in the direction of the arrows on the accessory and the tool.
- Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- Never use blotters together with bonded abrasive products.
- Do not work with the grinding cup without a suitable guard in place.
- **Do not strain the machine so heavily that it comes to a standstill. After heavily straining the power tool, continue to run it at no-load for several minutes to cool down the accessory. Do not touch grinding and cutting discs before they have cooled**

down. The discs can become very hot while working.

- Do not use the power tool with a cut-off stand.

OPERATION

Instructions for Use



WARNING: Always observe the safety instructions and applicable regulations.



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.



WARNING:

- Ensure all materials to be ground or cut are secured in place.
- Secure and support the workpiece. Use clamps or a vice to hold and support the workpiece to a stable platform. It is important to clamp and support the workpiece securely to prevent movement of the workpiece and loss of control. Movement of the workpiece or loss of control may create a hazard and cause personal injury.
- **Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.
- Always wear regular working gloves while operating this tool.
- Apply only a gentle pressure to the tool. Do not exert side pressure on the disc.
- Avoid overloading. Should the tool become hot, let it run a few minutes under no load condition to cool the accessory. Do not touch accessories before they have cooled. The discs become very hot during use.
- Never work with the grinding cup without a suitable protection guard in place.

- Do not use the power tool with a cut-off stand.
- Never use blotters together with bonded abrasive products.
- Be aware, the wheel continues to rotate after the tools is switched off.
- The tool is not designed to be used with a grinding cup.
- Do not use separate reducing bushings or adapters to adapt large hole abrasive wheels.

Proper Hand Position



WARNING: To reduce the risk of serious personal injury, **ALWAYS** use proper hand position as shown.



WARNING: To reduce the risk of serious personal injury, **ALWAYS** hold securely in anticipation of a sudden reaction.

Proper hand position requires one hand on the side handle (G), with the other hand on the body of the tool, as shown in Figure 1.

Lock-on Button (Fig. 1)

For continuous operation depress the lock-on button (H) and release the on/off trigger switch.

To stop the tool press the on/off switch again.

The lock-on button can be permanently removed without compromising compliance with regulatory agencies shown on the tool's nameplate. Removal of the lock pin must be done by a DEWALT Service Centre.

Spindle Lock (Fig. 1)

The spindle lock (C) is provided to prevent the spindle from rotating when installing or removing wheels. Operate the spindle lock only when the tool is turned off, unplugged from the power supply, and has come to a complete stop.

NOTICE: To reduce the risk of damage to the tool, do not engage the spindle lock while the tool is operating. Damage to the tool will result and attached accessory may spin off possibly resulting in injury.

To engage the lock, depress the spindle lock button and rotate the spindle until you are unable to rotate the spindle further.

Metal Applications

When using the tool in metal applications, make sure that a residual current device (RCD) has been inserted to avoid residual risks caused by metal swarf.

If the power supply is shut off by the RCD, take the tool to authorised DEWALT repair agent.



WARNING: In extreme working conditions, conductive dust can accumulate inside the machine housing when working with metal. This can result in the protective insulation in the machine becoming degraded with a potential risk of an electrical shock.

To avoid build-up of metal swarf inside the machine, we recommend to clear the ventilation slots on a daily basis. Refer to **Maintenance**.

Cutting Metal

For cutting with bonded abrasives, always use a protection guard type 1.

When cutting, work with moderate feed, adapted to the material being cut. Do not exert pressure onto the cutting disc, tilt or oscillate the machine.

Do not reduce the speed of running down cutting discs by applying sideward pressure.

The machine must always work in an upgrinding motion. Otherwise, the danger exists of it being pushed uncontrolled out of the cut.

When cutting profiles and square bar, it is best to start at the smallest cross section.

Rough Grinding

Never use a cutting disc for roughing. Always use the guard type 27.

The best roughing results are achieved when setting the machine at an angle of 30° to 40°. Move the machine back and forth with moderate pressure. In this manner, the workpiece will not become too hot, does not discolour and no grooves are formed.

Cutting Stone

The machine shall be used only for dry cutting. For cutting stone, it is best to use a diamond cutting disc. Operate the machine only with additional dust protection mask.

Working Advice

Exercise caution when cutting slots in structural walls.

Slots in structural walls are subject to the country-specific regulations. These regulations are to be observed under all circumstances. Before beginning

work, consult the responsible structural engineer, architect or the construction supervisor.

Using Flap Discs



WARNING: Metal dust build-up. Extensive use of flap discs in metal applications can result in the increased potential for electric shock. To reduce this risk, insert an RCD before use and clean the ventilation slots daily by blowing dry compressed air into the ventilation slots in accordance with the below maintenance instructions.

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.



Lubrication

Your power tool requires no additional lubrication.



Cleaning



WARNING: Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.



WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

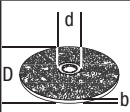
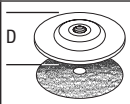
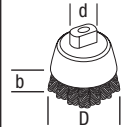

Optional Accessories



WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Consult your dealer for further information on the appropriate accessories.

ACCESSORY CHART

	Max. [mm]		[mm]	Min. Rotation [min. ⁻¹]	Peripheral speed [m/s]	Threaded hole length [mm]
	D	b	d			
	230	6	22,23	6,500	80	–
	180	–	–	8,500	80	–
	75	30	M14	8,500	45	20.0
	180	12	M14	8,500	80	20.0
	230	12	M14	8,500	80	20.0

Protecting the Environment



Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your DEWALT product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

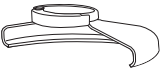

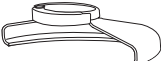



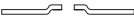


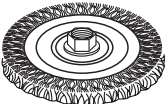
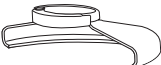


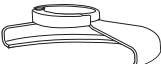

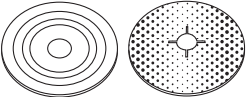
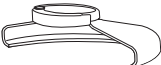



Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

DEWALT provides a facility for the collection and recycling of DEWALT products once they have

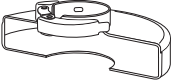

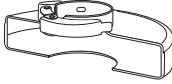







reached the end of their working life. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf.

You can check the location of your nearest authorised repair agent by contacting your local DEWALT office at the address indicated in this manual. Alternatively, a list of authorised DEWALT repair agents and full details of our after-sales service and contacts are available on the Internet at: **www.2helpU.com**.

GRINDING AND CUTTING ACCESSORY CHART

Guard Type	Accessory	Description	How to Fit Grinder
 <p>TYPE 27 GUARD</p>		Depressed centre grinding disc	 <p>Type 27 guard</p>
		Flap wheel	 <p>Backing flange</p>  
		Wire wheels	<p>Type 27 depressed centre wheel</p>  <p>Threaded clamp nut</p>
		Wire wheels with threaded nut	 <p>Type 27 guard</p>  <p>Wire wheel</p>
		Wire cup with threaded nut	 <p>Type 27 guard</p>  <p>Wire brush</p>
		Backing pad/sanding sheet	 <p>Type 27 guard</p>  <p>Rubber backing pad</p>  <p>Sanding disc</p>  <p>Threaded clamp nut</p>

GRINDING AND CUTTING ACCESSORY CHART (cont.)

<i>Guard Type</i>	<i>Accessory</i>	<i>Description</i>	<i>How to Fit Grinder</i>
 TYPE 1 GUARD		Masonry cutting disc, bonded	 Type 1 guard  Backing flange
		Metal cutting disc, bonded	
 TYPE 1 GUARD OR  TYPE 27 GUARD		Diamond cutting wheels	 Cutting wheel  Threaded clamp nut



AUTHORISED SERVICE CENTRES

EASTERN REGION

State	Location	ASC Name	Address & Pincode	Mobile No.	Landline No.
ASSAM	GUWAHATI	ARUN MACHINE AND TOOLS	A.T.ROAD NEAR RUPSHREE CINEMA, TOKOBARI GUWAHATI, ASSAM 781001	9435118754	9435118754
ASSAM	GUWAHATI	BAGARIA TOOLS AND HARDWARE	NEAR HOTEL VISHWARATNA AT ROAD GUWAHATI, ASSAM 781001	9435011008/ 9864077172	9435011008/ 9864077172
ASSAM	GUWAHATI	VINAYAK TOOLS AND MACHINERY	A-1, MANGAL RAM TOWER OPPOSITE POLICE RESERVE, A.T.ROAD GUWAHATI, ASSAM 781001	8811098307	0361 - 2731558
ASSAM	GUWAHATI	VISHWAKARMA ENTERPRISES	R-4,CITY TRADE CENTER, PUNJAB NATIONAL BANK BUILDING, A T ROAD, GUWAHATI, ASSAM 781001	9707742197	
ASSAM	JORHAT	ASSAM MACHINE TOOLS	GAR-AL, JORHAT, ASSAM 785001	9435050699	9435050699
ASSAM	TEZPUR	SHYAM MACHINERY AND TOOLS	A.C. PLAZA, N.B.ROAD, TEZPUR, ASSAM 784001	9435081917	03712 - 230122
ASSAM	TINSUKIA	DURGA INDUSTRIAL STORES	SOVASARIA MANSION,NEAR INDIAN BANK, STATE BANK ROAD, TINSUKIA, ASSAM. 786125	9435527249	
BIHAR	GAYA	JAI AMBEY TRADERS	RAMNA ROAD, NEAR RAMA BHAVAN, FS.-CIVIL LAIN, PO.- GAYA , BIHAR 823001	9431224989	9431224989
CHATTISGARH	BILASPUR	ASHOK TOOLS AND MACHINERIES	SHOP NO.32, BDA COMPLEX, DAYALBANDH, 495001	9993784585	07752 - 434685
CHATTISGARH	DURG	VISWAKARMA MACHINERY	SHOP# 17, MAHATMA GANDHI MKT.STATION ROAD, DURG, CHATTISGARH 491001	9827492028	9827492028
CHATTISGARH	RAIGARH	KRISHNA SALES CORPORATION	NEAR MAA RESTAURANT, BY PASS ROAD, DHIMRAPUR CHOWK, RAIGARH, CHATTISGARH 496001	8713997880	9477402057
CHATTISGARH	RAIGARH	SANJAY ENGINEERING CO	BHAGVANPUR, KHARSIYA ROAD 496001	9827112680	9827400275
CHATTISGARH	RAIPUR	SAMRAT CORPORATION	SAMRAT TOWERS, (OPP. NAVEEN MARKET), PHOOL CHOWK, BADAIPARA ROAD 492001	9827140470	0771 - 2223242
CHATTISGARH	RAIPUR	SHRI SATYAM ENTERPRISES	K K ROAD, MOUDHAPARA, 492001	9575190000	
JHARKHAND	JAMSHEDPUR	INDUSTRIAL TOOLS & EQUIPMENTS	S 'TYPE CHAWK', MAIN ROAD ADITYAPUR, JAMSHEDPUR WEST BENGAL 831013	9431348948	0657 - 2382322
JHARKHAND	JAMSHEDPUR	MANGILALL RUNGTA	PO.JUGSALAI JAMSHEDPUR, JHARKHAND JAMSHEDPUR 831006	9334804626	0657 - 427378
JHARKHAND	RANCHI	INDUSTRIAL TOOLS AGENCY	DR. FATAULLAH ROAD RANCHI JHARKHAND 834001	9340706264	0651 - 2202122
ORISSA	BHUBANESHWAR	UTKAL POWER TOOLS &SALES	SHOP NO 121,ANAND PLAZA LAKSHMI SAGAR SQUARE BHUBANESHWAR 751006	9437032687	0674 - 2671079
ORISSA	BHUBANESHWAR	SUPREME TOOLS CENTRE	CUTTACK ROAD, KALPANA AREA, APEX MARKET COMPLEX 751006	9437001368	0674 - 2311368
ORISSA	CUTTACK	M/S ADITYA TRADE &CO	LINK ROAD NEAR URBAN BANK,CUTTACK 753012	9132400000	0671 - 2323000
ORISSA	CUTTACK	HINDUSTAN TRADERS-ORISSA	BHADRAKAVATI ROAD, SANJAY CAFE BUILDING, CUTTACK 753001	9437029980	9437029980
ORISSA	ROURKELA	SUBHAM ENTERPRISES	NO. 41, TARBINGI MARKET ROURKELA ORISSA 769004	9437041443	0661 - 440 1443
WEST BENGAL	HOWRAH	CUTWELL TOOLS	BELOW WBS&E OFFICE HOWRAH AMTA ROAD, DASNAGAR HOWRAH, WEST BENGAL 711005	9830057455 / 9330034464	9830057455 / 9330034464
WEST BENGAL	KOLKATA	BARDIA TRADING CO.	NO. 17, PRINCEP STREET KOLKATA WEST BENGAL 700072	9831013176 / 9831022454	033 - 2212922
WEST BENGAL	KOLKATA	MACHINERY & TOOLS (INDIA)	24,NETAJI SUBHAS ROAD KOLKATA WEST BENGAL 700001	9830052968	033 - 2221 - 3840
WEST BENGAL	KOLKATA	ESKAY CORPORATION	26, N.S.ROAD(NETAJI SUBAS ROAD) (GROUND FLOOR) KOLKATA 700001	9830154296	9830154296
WEST BENGAL	KOLKATA	Prakash Trading Corporation	113 A. MANOHARDAS CHOWK, 2ND FLOOR, ROOM NO. 270, 700007		033 2272560
WEST BENGAL	SILIGURI	SINHAL BROTHERS & CO.	SEVOK ROAD,SILIGURI (I W.B.) 734001	9434777777	

NORTHERN REGION

State	Location	ASC Name	Address & Pincode	Mobile No.	Landline No.
DELHI/NCR	DELHI	JMR TECHSERV INDIA	M-7 1ST FLOOR GURU RAM DASS BHAWAN COMMUNITY CENTRE RANJIT NAGAR NEW DELHI 110041	9980119290	011 - 45669290
DELHI/NCR	DELHI	JYOTI SALES & CO.	JYOTI SALES & CO., 4073, KUCHA DILWALI SINGH, AJMERI GATE, NEW DELHI 110006	9810330626	011 - 43363434
DELHI/NCR	FARIDABAD	MAHALAKSHMI TRADING CORPORATION	PLOT NO 40/66B, INDUSTRIAL AREA, (NEAR RAJ GAS AGENCY) NEAR HARDWARE CHOWK, FARIDABAD 121001	9811547845	0129 - 4002918
DELHI/NCR	GURGAON	M/S SHRI GANPATI TRADERS	PLOT NO.37/72,MODEL TOWN (4MARLA) NEAR GURUDWARA, GURGAON-122001	9871502888	0124 - 2320088
DELHI/NCR	NEW DELHI	VAMSOR ENTERPRISES	SHARDHANAND MARG., NEW DELHI 110006	9810998810	011 - 321 6575
DELHI/NCR	NOIDA	SHIVA MACHINERY TOOLS	C-100, SECTOR-9 NOIDA-UTTAR PRADESH 201301	9811162293	0120 - 4356062
HARYANA	BHIWADI	HARYANA AGENCIES	NEAR ALLAHABAD BANK NH-8 , DELHI-JAIPUR HIGHWAY, BANIPUR CHOWK BAWAL(REVARI) HARYANA 123501	9928508305	01493 - 226319
HARYANA	GURGAON	BANSAL AGENCIES	469/11,GROUND FLOOR, SUBHASH NAGAR,OLD RAILWAY ROAD,GURGAON 122001	9418065358	9418065358
HIMACHAL PRADESH	BADDI	CHANDAN INDUSTRIES	B.O. OPP 4 SEASON HOTEL, PINJORE ROAD, NEAR BUS STAND BADDI, HIMACHAL PRADESH 177011	9418001785	0191-8001785
JAMMU AND KASHMIR	JAMMU	BHAGWATI SALES CORPORATION	MAIN ROAD, LAST MORTH GANDHI NAGAR, JAMMU 180001	9419182433	0191-2452718
MADHYA PRADESH	BHOPAL	BHOPAL TOOLS	64, HAMIDIA ROAD, BHOPAL- MADHYA PRADESH 462001	9826336611	0755 - 2736173
MADHYA PRADESH	INDORE	RELIABLE POWER TOOLS	12, JAYAHAR MARG,SHOP NO 9, 1ST FLOOR, SHALIMAR PLAZA, INDORE- MADHYA PRADESH 452007	9425317382	0731 - 2366352
MADHYA PRADESH	INDORE	BALAJI ENTERPRISES	118, SIVAGANJ MAIN ROAD, INDORE- MADHYA PRADESH 452001	9320211034	0731 - 2549374
PUNJAB	CHANDIGARH	D.P.JAGAN & SONS	SCD 46-47, SEC-NO-28-C CHANDIGARH, HARYANA 160002	9876177441	0172 - 5072717
PUNJAB	CHANDIGARH	J.V. MILL AND HARDWARE STORES	418 A, INDUSTRIAL AREA PHASE I RAM DARBAR , CHANDIGARH 160002	9855443304	0172 - 2640958
PUNJAB	JALANDHAR	FAIRDEAL AGENCIES	NEHRU GARDEN ROAD NEAR AJIT PREST JALANDHAR 144001	9814202900	0161 - 5030304
PUNJAB	LUDHIANA	ARNEJA MACHINERY STORE	GILL ROAD LU DHIANA PUNJAB 141003	9876300375	0161 - 2537923
PUNJAB	LUDHIANA	SUPER ELECTRIC COMPANY	NEAR, VISHAKHAR CHOWK, OPP. NANA STATIONERIES, GILL ROAD, MILLERS GANJ, LU DHIANA 141003	9872017444	0161 - 2530233
PUNJAB	PANCHKULA	VIKAS WELD	PLOT NO.257, INDUSTRIAL AREA, PHASE -1, PANCHKULA HARYANA 134113	9126800168	0172 - 2576437
PUNJAB	PHAGWARA	MOHNDRA BROS. OIL CO.	DANA MANDI, PHAGWARA PHAGWARA PHAGWARA 144401	9814533780	01824 269802
RAJASTHAN	AJMER	S. S. AUTO AGENCIES	4, KHAILAND MARKET, AJMER AJMER 305001	9822053750	9822053750
RAJASTHAN	ALWAR	HARYANA IRON TRADERS	RAM GANJ, ALWAR ALWAR 301001	9829215775	0144 - 2700205
RAJASTHAN	JAIPUR	ATUL ENTERPRISES	NEAR SIKARH HOTEL HANS MARG, S.C.ROAD JAIPUR, RAJASTHAN 302001	9829013905	0141 - 2360327
RAJASTHAN	JODHPUR	BHATI HARDWARE HOUSE	OPP-HANWANTH SCHOOL, PAL ROAD, JODHPUR (RAJ.) JODHPUR-342003 342003	9649133544	0291 - 2770506 / 0291-2770337
RAJASTHAN	JODHPUR	SEJAL POWER TOOLS	1ST PAL PULIYA NEAR VPO SCHOOL, MAIN PAL ROAD VIDDHAPAL JODHPUR 342001	9414095522	0823 - 3994001
RAJASTHAN	JODHPUR	USHA TRADING COMPANY	INSIDE SOJANI GATE, JODHPUR, JODHPUR 342001	9829790240	9829790240
RAJASTHAN	SIKANDARA	JAGDAMBA ENTERPRISES	NEAR THANJAI PAU KI THODSI, AGRA ROAD, SIKANDARA CHOURAYA SIKANDARA 303203	9414095522	0141-4955222
RAJASTHAN	UDAIPUR	M.P.TRADERS	40,NEW KESHAV NAGAR ROOPSAGAR ROAD UDAIPUR 310001	9414168109	9414168109
UTTARPRADESH	ALLAHABAD	ASSOCIATED BROTHERS	17 RAM BAGH, ALLAHABAD-UTTAR PRADESH 211003	9415312643	0522 - 2418381
UTTARPRADESH	GHAZIABAD	SHARMA ELECTRICALS	1577, VIVEKANAND NAGAR, DOUBLE STREET, GHAZIABAD-UTTAR PRADESH 201001	8886029902	0120 - 2702670
UTTARPRADESH	GHAZIABAD	CHANANA BROTHERS	228/6, HARPUR ROAD, GHAZIABAD-UTTAR PRADESH 201001	9120342037	0120 - 4115938
UTTARPRADESH	KANPUR	MAGADH INDUSTRIAL COMPANY	123/414-A, SURU NANAK MARKET, GADARIAN PURVA, KANPUR, UTTAR PRADESH 208022	9415042109	0512 - 2230545
UTTARPRADESH	KANPUR	WIDDY ENTERPRISES	122/230, SAROJINI NAGAR, KANPUR- UTTAR PRADESH 208012	9839115747	0512 - 2221284
UTTARPRADESH	LUCKNOW	YASH ENGINEERING WORKS	83, NAYA GAOIN EAST (BARROW MARKET) LATOUCH ROAD, LUCKNOW-UTTAR PRADESH 226018	9415109785	0522 - 3046252
UTTARPRADESH	LUCKNOW	POWER TOOLS COMMERCE	TALKATORA ROAD, NEAR HARDOI CROSSING, LUCKNOW-UTTAR PRADESH 226017	9005006000	0522 - 3296595
UTTARPRADESH	MEERUT	GARG STEEL CENTRE	419, PATEL GANJ, KABARI BAZAR, MEERUT CITY-UTTAR PRADESH 250002	9873021060	0121 - 2515296
UTTARPRADESH	SAHARANPUR	PREMIER MACHINERY STORE	VENUS CINEMA BUILDING, RAILWAY ROAD, SAHARANPUR-UTTAR PRADESH 247001	9873700288	0132 - 2641663
UTTRAKHAND	DEHRADUN	AGGARWAL HARDWARE & TOOLS	SHOP NO. 8, DOON PLAZA, 58 GANDHI ROAD,NEAR PRINCE CHOWK,DEHRADUN, 246001		0135 - 2722224
UTTRAKHAND	HARIDWAR	U & D CORP	1243, ARYA NAGAR, KANKHAL-JWALAPUR ROAD, HARIDWAR-UTTRAKHAND 249404	7669055066	01334 - 253452
UTTRAKHAND	RUDRAPUR	NATIONAL MACHINERY STORES	39, GALLA MANDI, U.S. NAGAR, RUDRAPUR-UTTRAKHAND 263153	9897591984	0594 - 243417



AUTHORISED SERVICE CENTRES

WESTERN REGION

State	Location	ASC Name	Address & Pincode	Mobile No.	Landline No.
GOA	MARGAO	ZARO TOOLS ENTERPRISES	LUIS MIRANDA ROAD, MARGAO 403604	937027582	0832 - 2171773
GOA	PANJIM	MECH-TECH ENGINEERING SYSTEMS	G-2, EMERALD TOWERS, M.G. ROAD OPP STATE BANK ZONAL OFFICE, PANJIM, GOA 403001	982212321	0832 - 2232801
GOA	PONDA	ESSAR SALES AND SERVICES	G-10, KURTARKAR COMMERCIAL ARCADE, KAZIWADA, PONDA, GOA 403401	9432060452	0832 - 2312514
GUJARAT	AHMEDABAD	RUSHABI TRADERS	MIRA CHEMBER, OPP SYNDICATE BANK KADIA KUI, RELIEF ROAD AHMEDABAD 380001	9327070493	079 - 2218025
GUJARAT	AHMEDABAD	SHIVAM SALES & SERVICE	SHOP NO.7, G/6, MIRA MANGAL APPT., OPPUDYA TENAMEMNT, TIMES OF INDIA ROAD, SATELLITE, AHMEDABAD 380051	972387626	079 - 6950111
GUJARAT	AHMEDABAD	SHREE MARUTI TOOLS	B/5, NEW SHIVKIRPA APARTMENT OPP. AGYARAS MATA MANDIR, NAVA AHMEDABAD, GUJARAT 380013	9724313764	079 - 7643580/
GUJARAT	AHMEDABAD	GITANJALI TRADERS	LAXMI NAGAR CORNER OPP. GANGOTRI HOTEL, NH NO 8 NARODA, AHMEDABAD, GUJARAT 382330	9898555610	079 - 22801346
GUJARAT	AHMEDABAD	SHREE GANESH SALES & SERVICE	671, MIRA MANGAL APARTMENTS OPP. UDAY, SOC TIMES OF INDIA ROAD, VEJALPUR , SATELLITE, AHMEDABAD 380051	9925013976	079 - 40320976
GUJARAT	ANAND	VICOUR MARKETING	SUBHASH ROAD , ANAND (GUJARAT) 388001	9824378564	9825282855
GUJARAT	BARDOLI	VON ENTERPRISE PVT LTD	201, 1ST FLOOR, M G ROAD DARSHAN APARTMENT, BARDOLI 394601	8690090022	0262 - 2226507
GUJARAT	BHARUCH	METRO TOOLS	215, MUNSHI COMPLEX, NEAR MUSLIM SOCIETY, JAMBUSAR BYPASS ROAD, BHARUCH 392001	9033141400	9033141400
GUJARAT	HALOL	CHAMPION TRADING COMPANY	OPP GIDC COLONY, GIDC ESTATE, HALOL , DIST. PANCHMAHALS 389351	9898094855	02676 - 223404
GUJARAT	RAJKOT	JAY ENTERPRISE	DHEBAR ROAD, NEAR ASHOK GUEST HOUSE, RAJKOT 386001	0281 - 2262542	0281 - 2232625
GUJARAT	SILVASSA	INDIA TOOLS CENTRE	NO.8 SILVER POINT , OPP. TO ICICI BANK, SILVASSA - VAPI MAIN ROAD SILVASSA 396230	9377304750	9377304750
GUJARAT	SURAT	NATIONAL POWER TOOLS (SURAT)	HC41-42, RUSHABI TOWERS, NEAR JAIN TEMPLE, ADAJAN PATRA 11, RAMNAGAR SOCIETY, SURAT 395009	9825297078	0261 - 2788227
GUJARAT	SURAT	SOHAM REPAIRING CENTER	RANDER ROAD, SURAT 395006	9898231287	9898231287
GUJARAT	SURAT	VIKRAM ENGINEERS	M.G. ROAD , NO.4 , SANGHAVI HOUSE UDYOGNAGAR DHUANA 394210	9427137657	0261 - 2274205
GUJARAT	SURAT	SHREE ENTERPRISES	2019, VAIBHAV COMPLEX, NEAR RUPALI NAHER , BHATAR SURAT 395006	9879187370	9879187370
GUJARAT	VADODARA	AMBICA TRADERS	749/3/2/3, GIDC, OPP. HINDUSTAN FASHION, MAKARPURA, BARODA 390010	9825789508	0265 - 2645015
GUJARAT	VAPI	BRIGHT MACHINE TOOLS	A - PLOT NO 128, OPP HOTEL WAY WAT BHADAKMORA SILVASSA ROAD, VAPI 396195	9428404929	0260 - 2450080
MADHYA PRADESH	INDORE	PIONEER MARKETING SERVICES	223, SHASTRI MARKET , 2ND FLOOR , , INDORE 453007	9826053900	0731 - 2538007
MAHARASHTRA	AHMEDNAGAR	DATTA ENTERPRISES	N-16, NIMHARAK ROAD MIDC INDUSTRIAL AREA, AHMEDNAGAR, MAHARASHTRA 414111	9225300400 / 9225310081	0241 - 6611130 / 6611131
MAHARASHTRA	AKOLA	R B MACHINERY	MALIPURA CHOWK AKOLA MAHARASHTRA 444001	9850280021	0724 - 2424354
MAHARASHTRA	ANDHRI (E) MUMBAI	UNIQUE AGENCIES	MAROL MAROSH ROAD , MAROL , MUMBAI 400059	9272429540	9272429540
MAHARASHTRA	AURANGABAD	ANIKET ENTERPRISES	X-324, NEAR HDFC BANK MAHARANA PRATAP CHOWK, BALAJI NAGAR MIDC, AURANGABAD 431005	9552769194	0240 - 2563312
MAHARASHTRA	AURANGABAD	PADMAWATI ELECTRICALS	OPP RAMANANJON KRANTI CHOWK AURANGABAD 431005	9823093793	0240 - 2329303
MAHARASHTRA	AURANGABAD	SHACO SALES & SERVICES- AURANGABAD	SHOP NO. 9 , AVANGADONKAR COMPLEX, BELOW HOTEL RAMGIRI JALNA ROAD , CIDCO , AURANGABAD 431005	9823466426 / 9028028763	0240 - 6542111
MAHARASHTRA	CHAKAN	SADAGURU POWER TOOLS AND ELECTRICAL	KOHINOOR CENTRE SHIVAJI CHOWK CHAKAN, PUNE 410501	9822351008	9822351008
MAHARASHTRA	ICHALKARANJLI	SAPANA ENTERPRISES	23/151, PANCHGANGA FACTORY TO SHAHPUR ROAD, NEAR KOTHARI SIZING, P O - GANGAN ICHALKARANJLI, MAHARASHTRA 416116	9371678843	0230 - 2440592
MAHARASHTRA	JALGAON	SHRI GAJANAN ELECTRICALS & MACHINER	327 A , MAIN GATE , BASEMENT NEW B.J MARKET, JALGAON MAHARASHTRA 425001	9422184432	0257 - 222 4198
MAHARASHTRA	JALGAON	J.B.ENTERPRISES	75, HOUSING SOCIETY, COURT ROAD 425001		0257 - 2217960
MAHARASHTRA	KOLHAPUR	SUSHITO ENTERPRISES	B, UNDER GROUND - 1 PRABHAKAR PLAZA, STATION ROAD KOLHAPUR, MAHARASHTRA 416001	9423258000	0231 - 2667433
MAHARASHTRA	KOLHAPUR	YASH ENTERPRISES	1448 B/C, EMPIRE TOWER, SHOP NO.16-B BASARA CHOWK, LAXMIPURI KOLHAPUR, MAHARASHTRA 416002	9422414211	0231 - 2644811
MAHARASHTRA	KOLHAPUR	SUMO TOOLS&ACCESSORIES	1229, E SHOP NO 11, LAXMIBAI AMBLE MARKET, BAGAL CHOWK 416008	9545513464	0231 - 2521484
MAHARASHTRA	LONAVALA	SUPER AGENCIES	G WARD , SHOP NO - 6 GURUNANAK CO-OPP HSG SOCIETY LONAWALA, MAHARASHTRA 410401	9823052516	02114 - 273279
MAHARASHTRA	MUMBAI	RAJ MACHINE TOOLS	N/ND FLOOR 71/73, NAGDEVI STREET MUMBAI, MAHARASHTRA 400003	9323910798	022 - 65213943/2035
MAHARASHTRA	MUMBAI	S. A. TRADERS	76 , NAGDEVI CROSS LANE , SHOP NO 3. MUMBAI, MAHARASHTRA 400003	9870084598	022 - 2340988
MAHARASHTRA	MUMBAI	UNIQUE ENGINEERS	OFFICE NO.3,183 MUTTON STREET, NULL BAZAR, MUMBAI 400003	9925555652	022 - 23475221
MAHARASHTRA	MUMBAI	ANIL TRADERS	SHOP NO 2 PARALKAR VADI, R.C MARG, CHEMBUR NAKA, MUMBAI 400071	9323247026	25229900
MAHARASHTRA	NAGPUR	RATHI ENGINEERING COMPANY	31 A, RADKE LAYOUT OPP. SAINT XAVIERS HIGH SCHOOL, NAGPUR, MAHARASHTRA 440016	9373107555	07104 - 232221
MAHARASHTRA	NAGPUR	UNION HARDWARE STORES	CENTRAL AVENUE DARODKAR CHOWK, NEAR ITVARI HIGH SCHOOL, NAGPUR 440002	9971068950 / 9822564150	9971068950 / 9822564150
MAHARASHTRA	NASIK	VIDAD ENGINEERING & ELECTRICALS	MAHADEV NAGAR CORNER NEAR SATPUR BUS STOP, SATPUR - TRIMBAK ROAD SATPUR NASIK 422007	9822049760	0253 2383567
MAHARASHTRA	NASIK	H A ENTERPRISES	SHOP NO.1, PLOT NO.30/41, MAHESHWARI PLAZA, NEAR XLD POINT, SATPUR LINK ROAD, NASIK, 422001	9833242516	9833242516
MAHARASHTRA	NAVI MUMBAI	NEW BOMBAY (HARDWARE) TRADERS PVT	PLOT NO 107, SECTOR-23 TURBHE SERVICE INDUSTRIES, NEAR JANITA MARKET VASHI, NAVI MUMBAI 400705	9897774337	+9122 27833331
MAHARASHTRA	NAVI MUMBAI	MAHALAXMI TRADERS	PLOT NO 9 & SHOP NO 10, SECTOR 23, JANITA MARKET COMPLEX, TURBHE 400705	9892459274	022 - 27835186
MAHARASHTRA	NAVI MUMBAI	PATEL ELECTRIC WORKS	SHOP NO. 6, GULFAM APARTMENT, NEAR LAKSHMI EYE INSTITUTE, NEW URAN ROAD, PANVEL, 410206	9221489786	022 - 27453911
MAHARASHTRA	PUNE	EVEREST ENTERPRISES	SUKHWANI NEST SHOP NO. 7, VIDHYAN NAGAR PIMPRI, PUNE 411018	9762003665	9762003665
MAHARASHTRA	PUNE	MAX CORPORATION	NO. 95, GANESH PETH, LAXMI ROAD DULYA MARUTI CHOWK PUNE 411002	9371006743	020 - 26344945 / 26344946 / 26341647
MAHARASHTRA	PUNE	TECHNO TOOLS	1 & 2, P.J. CHAMBERS NEAR AMBEDKAR STATUE PIMPRI, PUNE 411018	9822982903	020 3068334/5/6/7/8
MAHARASHTRA	PUNE	TOOL MAX	'MAULI' 738, BUDHWAR PETH GANESH ROAD, NR. PHADKE HOUD PUNE 411002	7709111795	020 6400795
MAHARASHTRA	PUNE	ABRA SALES	T-86/1 BHDOSARI PIMPRI ROAD, M.I.D.C. BHDOSARI, PUNE , MAHARASHTRA 411026	9371072752	020 - 66300599
MAHARASHTRA	PUNE	HAKIMI TOOLS CENTRE	985,RAVIVAR PETH,LAXMI ROAD 411002	9371072752	020 - 24489150
MAHARASHTRA	PUNE	EXCELLENCE ENTERPRISES	GAT NO 227, PUNE NASIK HIGHWAY OPP. TO BHARAT PETROL PUMP, GAWATE VASTI, NANEKARVADI, KHED, PUNE 410501	9372550099	
MAHARASHTRA	SANGLI	ARC POWER TOOLS & EQUIPMENTS	ATHARY SANGLI , BASEMENT , NEAR HOTEL NEW RATNA , KUPIWAD PHATA , VISHRAMBAG , SANGLI 416436	9422837653 / 83789913	0233 - 2670493
MAHARASHTRA	SATARA	M P ENGINEERS	SHOP NO - 7 , JIVHALA HOUSING SOCIETY NEAR BOMBAY RESTAURANT, OLD M.I.D.C SATARA 415001	9825372823	02162 - 247341
MAHARASHTRA	SATARA	NEW MAHARASHTRA TRADERS	NO. 184 B1/C, RAVIVAR PETH POWAI NAKA SATARA, MAHARASHTRA 415002	9422033369	02162 - 235605
MAHARASHTRA	SOLAPUR	MADAN J. DALVI	GALA NO - 7 , L.V.COMPLEX RAMLAL CHOWK, RAILWAY LINE SOLAPUR, MAHARASHTRA 410001	9422066835	0217 - 2727005
MAHARASHTRA	SOLAPUR	SIDDHARATHI SALES & SERVICES	NO. 64 JODHBVAI PETH SOLAPUR 413002	0217 - 2729911	0217 - 2729911
MAHARASHTRA	THANE	SUPER SALES & SERVICES	MONALSUA BLDG., SHOP NO.5, HARNINWAS CIRCLE , , THANE 400602	9892375131	022 - 25368645

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