DREMEL 8260 12VLi-Ion Variable Speed Cordless Smart Rotary Tool Instructions

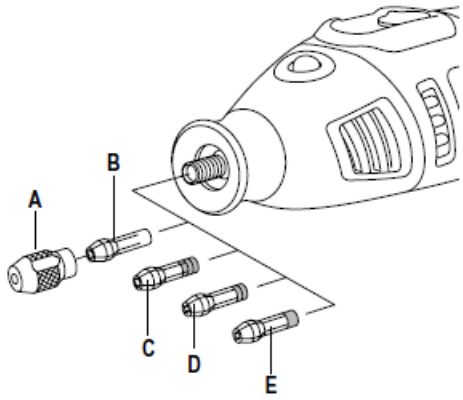
Contents

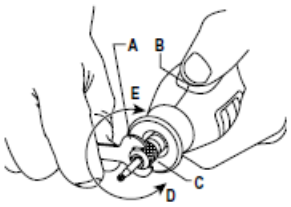
DREMEL®

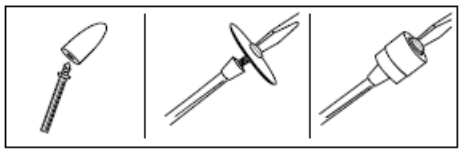
DREMEL 8260 12VLi-Ion Variable Speed Cordless Smart Rotary Tool

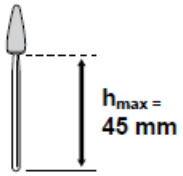
Installation Instruction

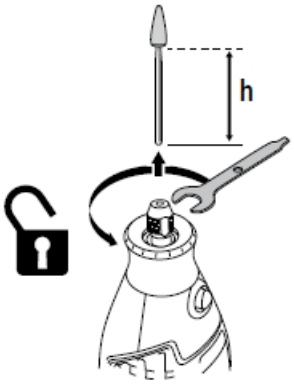
⑨

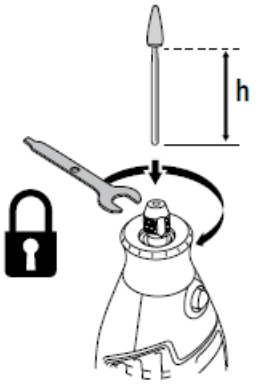


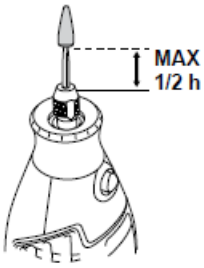




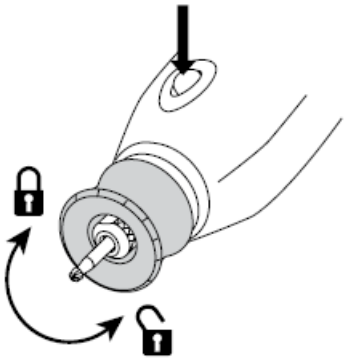








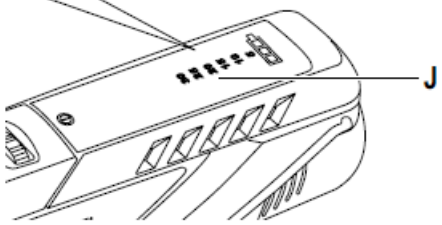
⑩



⑪

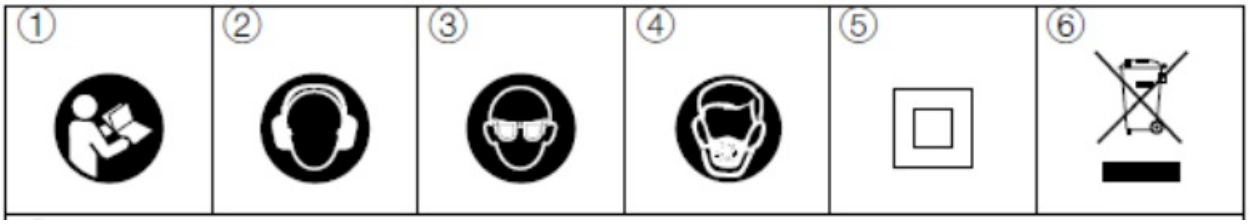
Speed LED	Speed Range
5	4,000 - 8,000
10	7,000 - 13,000
15*	12,000 - 15,000
20	19,000 - 23,000
25	22,000 - 25,000
30	26,000 - 30,000

* Wire Brush Setting



For optimum performance allow your new Flexshaft to run at high speed on your rotary tool in a vertical position for 2 minutes before use.

USED SYMBOLS



1. READ THESE INSTRUCTIONS
2. USE HEARING PROTECTION
3. USE EYE PROTECTION
4. USE A DUST MASK
5. CLASS II CONSTRUCTED
6. DO NOT DISPOSE OF POWER TOOLS INTO HOUSEHOLD WASTE

GENERAL POWER TOOL SAFETY WARNINGS

WARNING READ INSTRUCTIONS, ALL SAFETY WILLUSTRAARNINGS, TIONS AND SPECIFICATIONS PROVIDED WITH THIS POWER TOOL.

Failure to follow all instructions listed below 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.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

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.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- 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.

PERSONAL SAFETY

- 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.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 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.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 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.
- 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.

- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- 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.
- 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.
- 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.
- 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.
- Maintain power tools and accessories. 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 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.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

SERVICE

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.

SAFETY INSTRUCTIONS FOR ALL OPERATIONS

SAFETY WARNINGS COMMON FOR GRINDING, SANDING, WIRE BRUSHING, POLISHING, CARVING OR ABRASIVE CUTTING-OFF OPERATIONS

- This power tool is intended to function as a grinder, sander, wire brush, polisher, carving 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.
- 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.
- The rated speed of the grinding accessories must be at least equal to the maximum speed marked on the power tool. Grinding accessories running faster than their rated speed can break and fly apart.
- 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 controlled.
- The arbour size of wheels, sanding drums or any other accessory must properly fit the spindle or collet of the power tool. 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.
- Mandrel mounted wheels, sanding drums, cutters or other accessories must be fully inserted into the collet or chuck. If the mandrel is insufficiently held and/or the overhang of the wheel is too long, the mounted wheel may become loose and be ejected at high velocity.
- Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, sanding drum 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.
- 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 filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- 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.
- Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- Always hold the tool firmly in your hand(s) during the start-up. The reaction torque of the motor, as it accelerates to full speed, can cause the tool to twist.
- Use clamps to support workpiece whenever practical. Never hold a small workpiece in one hand and the tool in the other hand while in use. Clamping a small workpiece allows you to use your hand(s) to control the tool. Round material such as dowel rods, pipes or tubing have a tendency to roll while being cut, and may cause the bit to bind or jump toward you.
- 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.
- After changing the bits or making any adjustments, make sure the collet nut, chuck or any other adjustment

devices are securely tightened. Loose adjustment devices can unexpectedly shift, causing loss of control, loose rotating components will be violently thrown.

- 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.
- 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.
- Do not operate the power tool near flammable materials. Sparks could ignite these materials.
- Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

KICKBACK AND RELATED WARNINGS

Kickback is a sudden reaction to a pinched or snagged rotating wheel, sanding band, 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.
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.

- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. The operator can control kickback forces, if proper precautions are taken.
- 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.
- Do not attach a toothed saw blade. Such blades create frequent kickback and loss of control.
- Always feed the bit into the material in the same direction as the cutting edge is exiting from the material (which is the same direction as the chips are thrown). Feeding the tool in the wrong direction causes the cutting edge of the bit to climb out of the work and pull the tool in the direction of this feed.
- When using rotary files, cut-off wheels, high-speed cutters or tungsten carbide cutters, always have the work securely clamped. These wheels will grab if they become slightly canted in the groove, and can kickback. When a cut-off wheel grabs, the wheel itself usually breaks. When a rotary file, high-speed cutter or tungsten carbide cutter grabs, it may jump from the groove and you could lose control of the tool.

SAFETY WARNINGS SPECIFIC FOR GRINDING AND ABRASIVE CUTTING-OFF OPERATIONS

- Use only wheel types that are recommended for your power tool and only for recommended applications. For example: do not grind with the side of a cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.
- For threaded abrasive cones and plugs use only undamaged wheel mandrels with an unrelieved shoulder flange that are of correct size and length. Proper mandrels will reduce the possibility of breakage.
- Do not "jam" a 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 snagging of the wheel in the cut and the possibility of kickback or wheel breakage.

- Do not position your hand in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your hand, the possible kickback may propel the spinning wheel and the power tool directly at you.
- When wheel is pinched, snagged 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 pinching or snagging.
- Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.
- 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.
- 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 WIRE BRUSHING OPERATIONS

- 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.
- Allow brushes to run at operating speed for at least one minute before using them. During this time no one is to stand in front or in line with the brush. Loose bristles or wires will be discharged during the run-in time.
- Direct the discharge of the spinning wire brush away from you. Small particles and tiny wire fragments may be discharged at high velocity during the use of these brushes and may become imbedded in your skin.
- Do not exceed 15,000 RPM when using wire brushes

DO NOT WORK WITH MATERIALS CONTAINING ASBESTOS (asbestos is considered carcinogenic)
TAKE PROTECTIVE MEASURES WHEN DURING WORK DUST CAN DEVELOP THAT IS HARMFUL TO ONE’S HEALTH, COMBUSTIBLE OR EXPLOSIVE (some dusts are considered carcinogenic); wear a dust mask and work with dust/chip extraction when connectable

SPECIFICATIONS

- **Model number**. 8260
- **Voltage.** . . . . . 12 V
- **Speed .** 30,000/min
- **Collet capacity.** . . . . . 3.2 mm
- **Max. accessory ∅.** . . . . . 38.1 mm
- **Battery capacity.** . . . . . 3.0 Ah
- **Weight.** 0.55kg

CHARGER
GAL 12V-20 2607226399 (U.K. 2607226401)

- **Input.** . . . . . 220-240 Vac, 50/60 Hz, 32 W
- **Output.** . . . . . 3.6-12.0 Vdc, 2 A

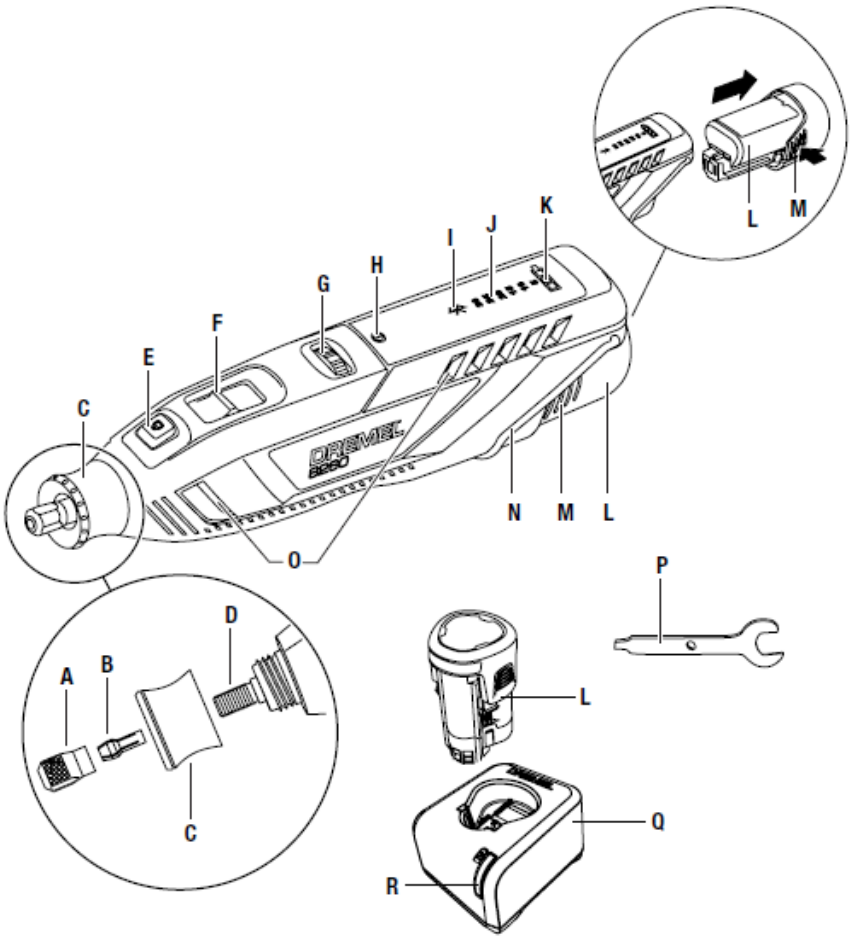
- **Weight**. . . . . EU 0.247 kg (U.K. 0.251kg)

AUS: GAL 12V-20 2607226403

- **Input.** . . . . . 220-240 Vac, 50/60 Hz, 32 W
- **Output.** . . . . . 3.6V-12V , 2 A

Always check that the supply voltage is the same as the voltage indicated on the nameplate of the charge

GENERAL



- **A.** Collet nut
- **B.** Collet
- **C.** Nose cap (EZ Twist integrated wrench*)
- **D.** Shaft
- **E.** Shaft lock Button
- **F.** On/Off switch
- **G.** Variable Speed Dial
- **H.** Red Warning LED
- I. Bluetooth LED
- J. Speed Indicator

    - K. Fuel Gauge
- L. Battery Pack
- M. Battery Release Tabs
- N. Hanger
- O. Ventilation openings
- P. Collet Wrench
- Q. Charger
- R. Green light

CHARGING AND BATTERIES

- This charger can be used by children aged 8 and above and by persons who have physical, sensory or mental limitations or a lack of experience or knowledge if a person responsible for their safety supervises them or has instructed them in the safe operation of the charger and they understand the associated dangers (otherwise there is a danger of operating errors and injuries)
- Supervise children (this will ensure that children do not play with the charger)
- Only use DREMEL charger GAL 12V-20 2607226399 or 2607226401 (UK) or 2607226403 (AUS) and DREMEL battery pack 1607A350KW with this tool
- Do not expose tool/charger/battery to rain
- Do not charge battery in damp or wet environments
- Do not use charger when damaged; take it to one of the officially registered DREMEL Service Stations for a safety check
- Do not use charger when cord or plug is damaged; cord or plug should be replaced immediately at one of the officially registered DREMEL Service Stations
- Do not use battery when damaged; it should be replaced immediately
- Do not disassemble charger or battery
- Do not attempt to recharge non-rechargeable batteries with the charger
- Permitted ambient temperatures (tool/charger/battery):
    - when charging 0…+45ºC
    - during operation -20…+50ºC
    - during storage -20…+50ºC

CHARGING BATTERY PACK

1. Plug charger cord into your standard power outlet. With no battery pack inserted, the charger’s green indicator light will go ON. This indicates the charger is receiving power and the charger is ready for operation.
2. To remove the battery pack from the tool press both battery release tabs and pull the battery from the tool.
3. When you insert the battery pack into the charger, the charger’s green indicator light will begin to “BLINK”. This indicates that the battery is receiving a fast charge.
4. When the indicator light stops “BLINKING” (and becomes a steady green light) fast charging is complete. The battery pack is fully charged and can be removed from the charger. The light will stop blinking in less time if the battery pack was not completely discharged.
5. When you begin the charging process of the battery pack, a steady green light could also mean the battery pack is too hot or too cold. Fast charging is only possible when the temperature range of the battery pack is

between 0°C and 45°C. As soon as the battery pack reaches the correct temperature range, the battery charger will automatically switch to fast charging.

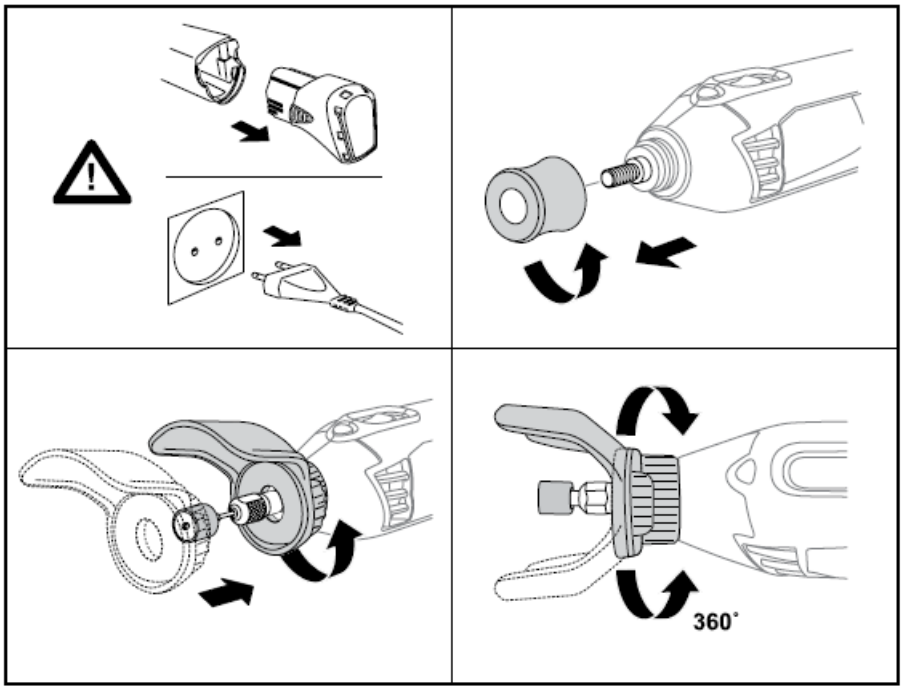
6. The battery pack may be used even though the light may still be blinking. The light may require more time to stop blinking depending on temperature.
7. A substantial drop in operating time per charge may mean that the battery pack is nearing the end of its life and should be replaced.
8. Remember to unplug charger during storage period.

ACCESSORIES

ALWAYS TURN OFF THE TOOL BEFORE CHANGING ACCESSORIES

Use only Dremel tested accessories. Be sure to read the instructions supplied with your Dremel accessory for further information on its use. Handle and store accessories carefully to avoid chipping and cracking.

CHANGING ACCESSORIES

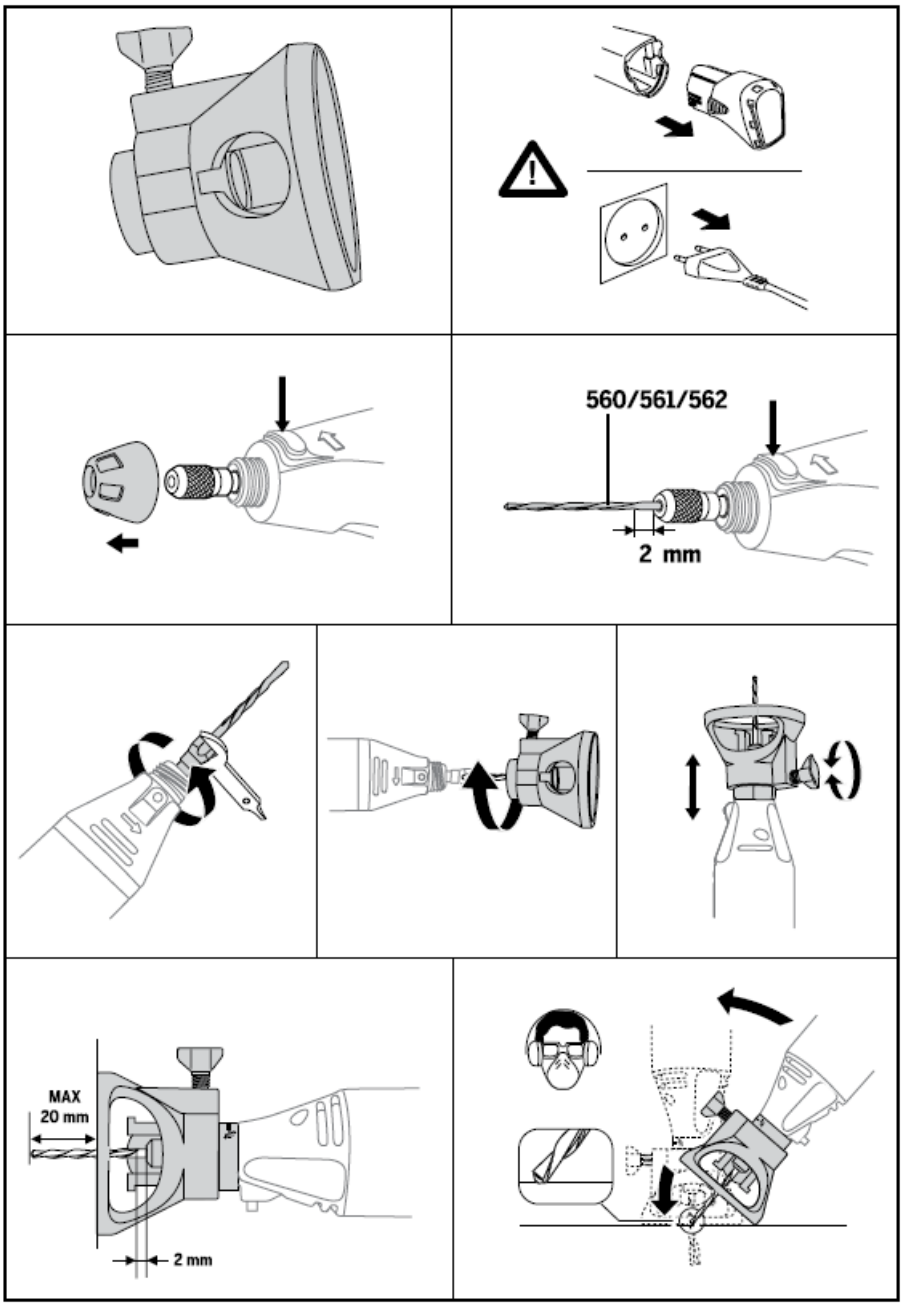


- A. Collet nut
- B. Collet (3.2 mm)
- C. Nose cap (EZ Twist integrated wrench)
- D. Dremel chuck 4486*
- E. Shaft lock button
- F. Wrench not standard included

1. Press the shaft lock button and rotate the shaft by hand until it engages the shaft lock. Do not engage the shaft lock while the tool is running.
2. With the shaft lock engaged, loosen (do not remove) the collet nut. Use the collet wrench if necessary.
3. Insert the bit or accessory shank fully into the collet.
4. With the shaft lock engaged, tighten the collet nut.

EZ TWIST INTEGRATED WRENCH

This nose cap has an integrated wrench allowing you to loosen and tighten the collet nut without the use of the standard collet wrench.



1. Unscrew the nose cap from the tool, line-up the steel insert on inside of the cap with the collet nut.
2. With the shaft lock engaged twist nose cap counterclockwise to loosen the collet nut. Do not engage the shaft lock while the tool is running.
3. Insert the bit or accessory shank fully into the collet.
4. With the shaft lock engaged twist nose cap clockwise to tighten the collet nut.
5. Screw the nose cap back into its original position.

DREMEL CHUCK 4486

- The Dremel chuck allows you to quickly and easily change accessories on Dremel tools without changing collets. Accepts accessories with 0.8 – 3.2 mm shank.
- To loosen, first press shaft lock button and rotate the shaft by hand until it engages the shaft lock. Do not engage the shaft lock while the tool is running.

- With the shaft lock engaged use the wrench or the EZ Twist nose cap to loosen the chuck and open the jaws. Remove the accessory from the chuck. If necessary, continue loosening the chuck so that the new accessory fits between the jaws. Insert the new accessory into the chuck far enough so that there is approximately 6 mm between the end of the chuck and the beginning of the working part of the accessory.
- With the shaft lock engaged, tighten the chuck using the EZ Twist nose cap or wrench to secure the accessory.

HELPFUL TIPS WHEN USING THE DREMEL CHUCK

- The Dremel chuck and the collet and collet nut system are interchangeable on this tool. While the chuck will provide you with the best experience for changing accessories, the collet and collet nut will provide a more precise accessory holding solution especially in heavier side load applications.
- If you find the accessory slipping in the chuck, use the included EZ Twist nose cap or wrench to tighten the chuck around the bit. If further slippage persists, switch to using the collet and collet nut.
- The jaws of the chuck can become displaced causing the accessory to no longer run true and concentric (run-out).

To reset the jaws, apply the following procedure:

1. Remove the accessory from the chuck.
2. Clean the chuck.
3. Press shaft lock button and tighten the chuck until the jaws extend past the outer surface of the chuck, approximately 3 mm.
4. Push the end of the chuck firmly against a hard flat surface to be sure the jaws are all seated axially.
5. Continue to hand tighten the chuck until the jaws completely close.
6. Loosen the chuck, and reinsert a straight accessory.
7. Turn the tool by hand and observe if there is any runout. If there is obvious run-out, repeat the procedure.
8. With the shaft lock engaged, tighten the chuck using the EZ Twist nose cap or wrench to secure the accessory.
9. Turn the tool on to the lowest speed setting and observe for run-out. If there is obvious run-out, check that the accessory is straight before repeating the procedure.

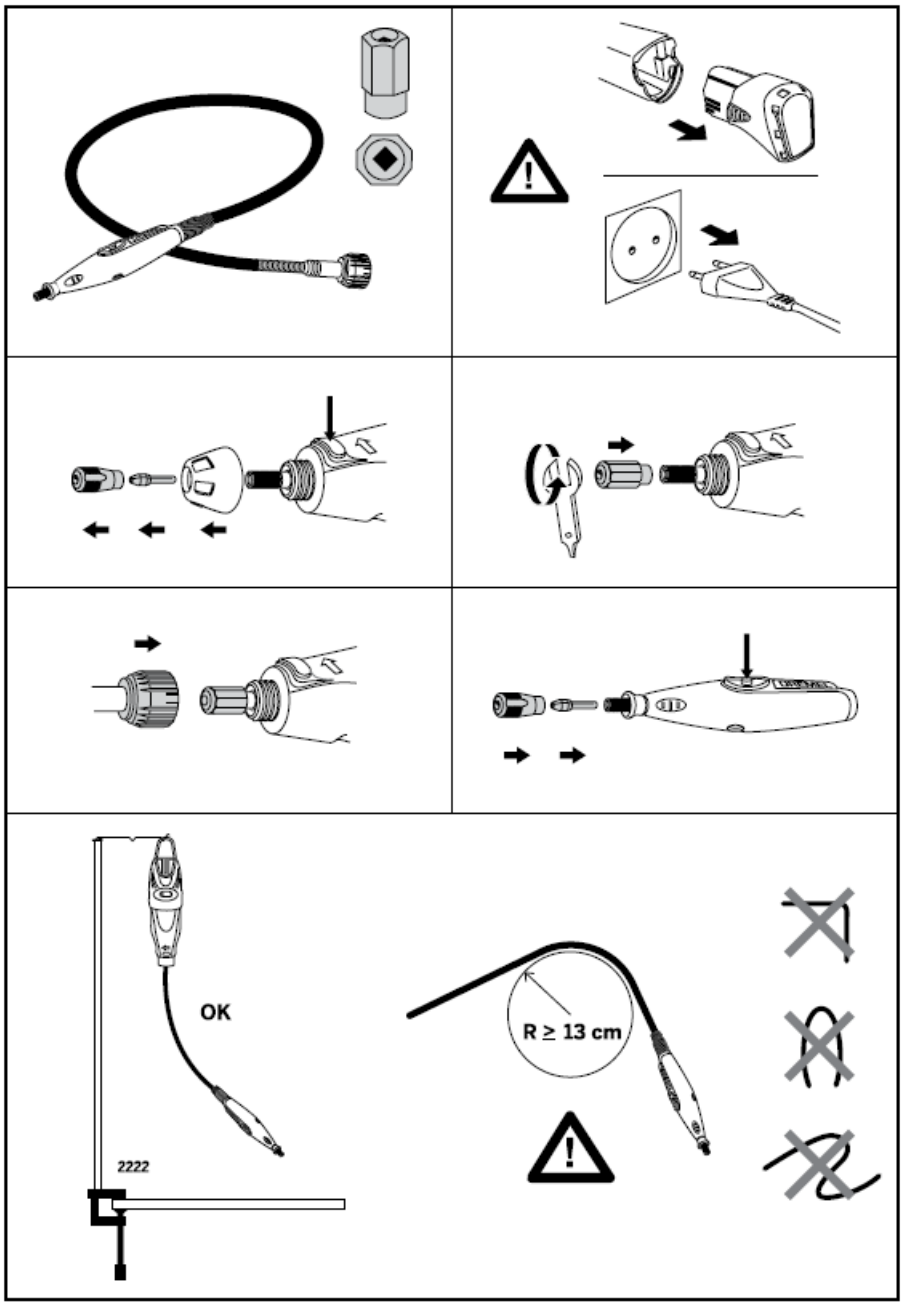
BALANCING ACCESSORIES

- For precision work, it is important that all accessories be in good balance (much the same as the tires on your automobile). To true up or balance an accessory, slightly loosen collet nut and give the accessory or collet a 1/4 turn. Re tighten collet nut and run the rotary tool.
- You should be able to tell by the sound and feel if your accessory is running in balance. Continue adjusting in this fashion until best balance is achieved.

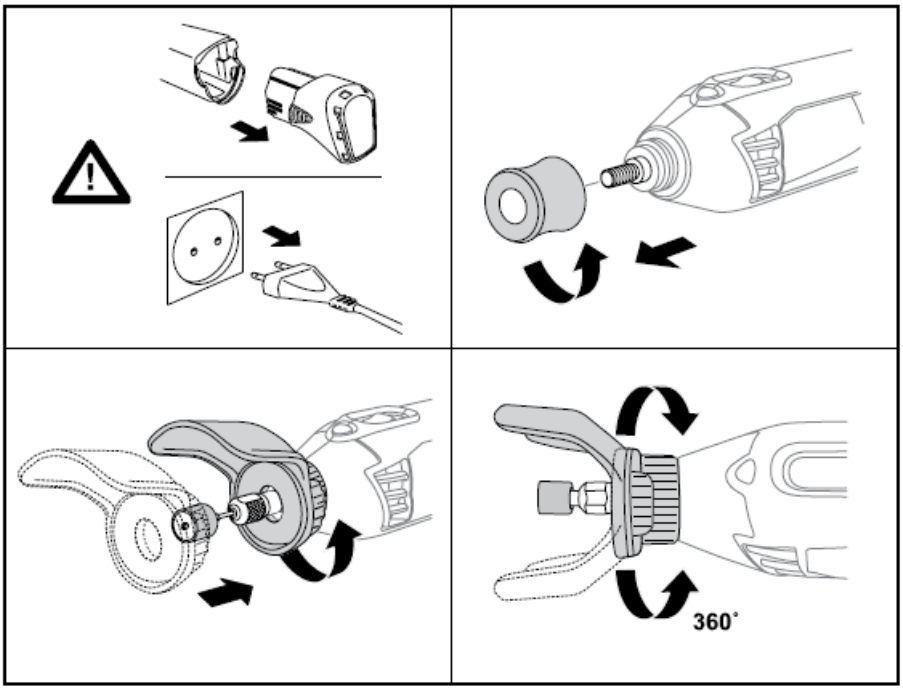
ATTACHMENTS

The Dremel tool can be equipped with the following attachments for expanding its functionality:

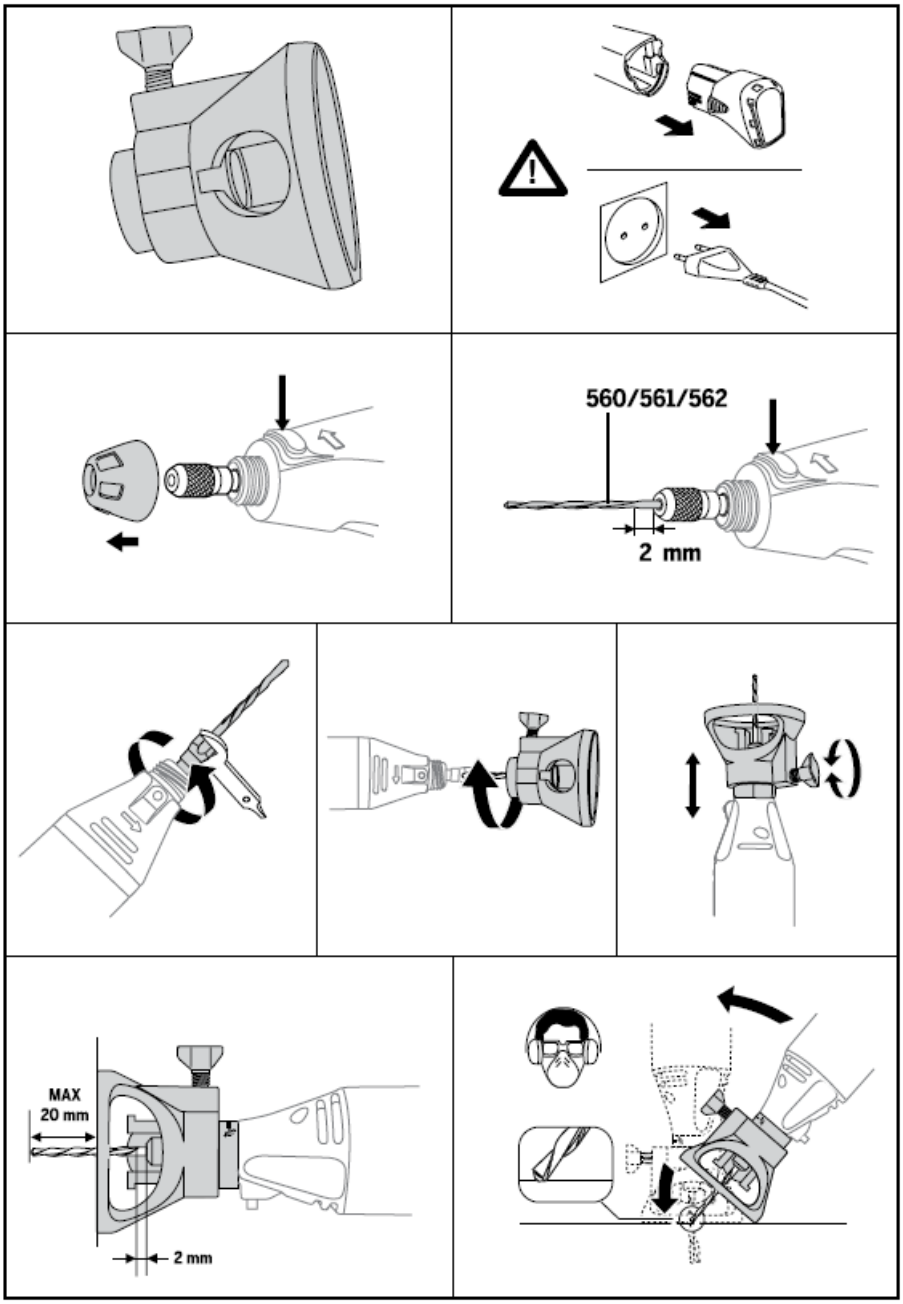
- Flexible shaft *) for precise, detailed work or hard-to-reach places



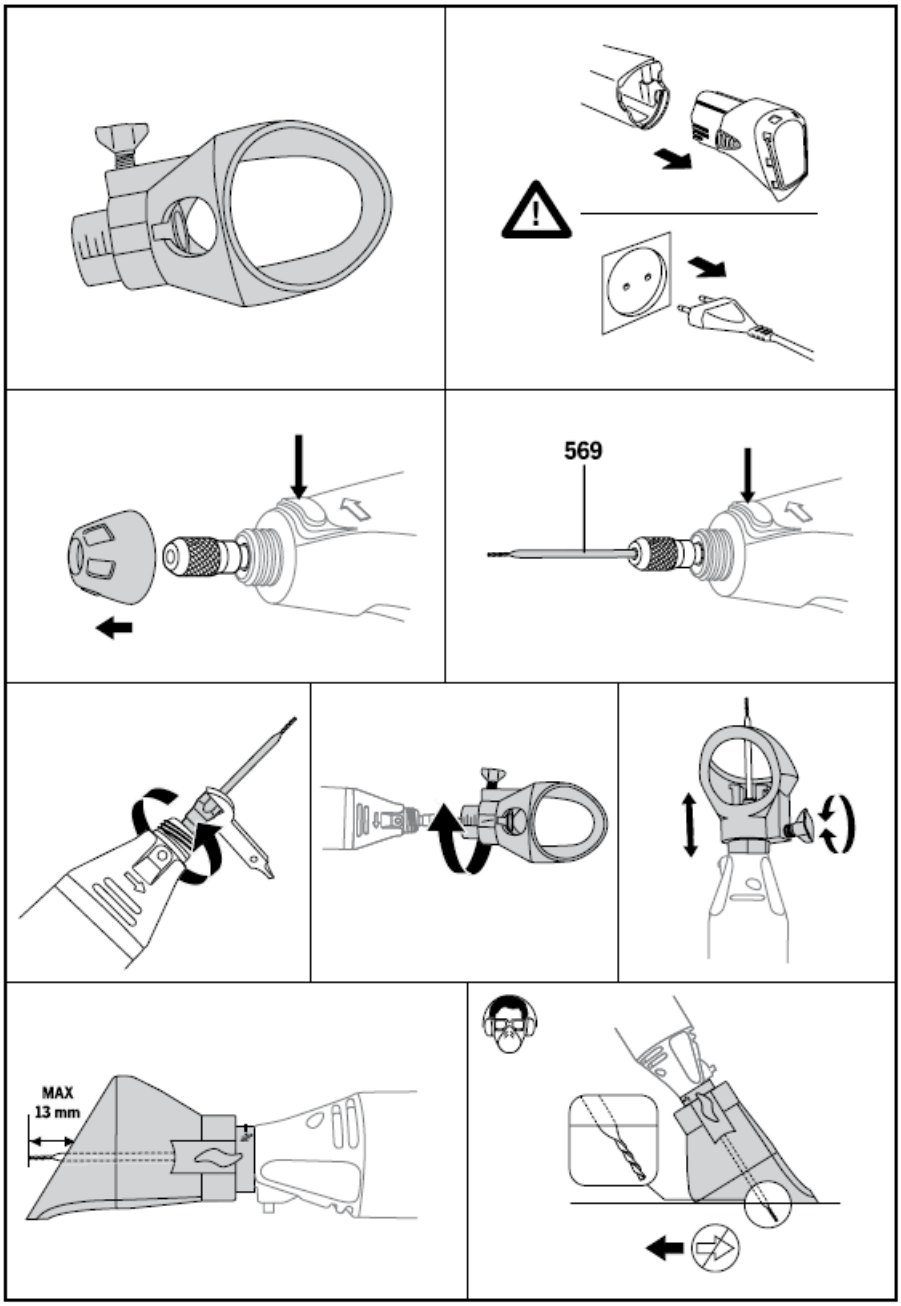
- Comfort guard attachment to protect you from dust and sparks



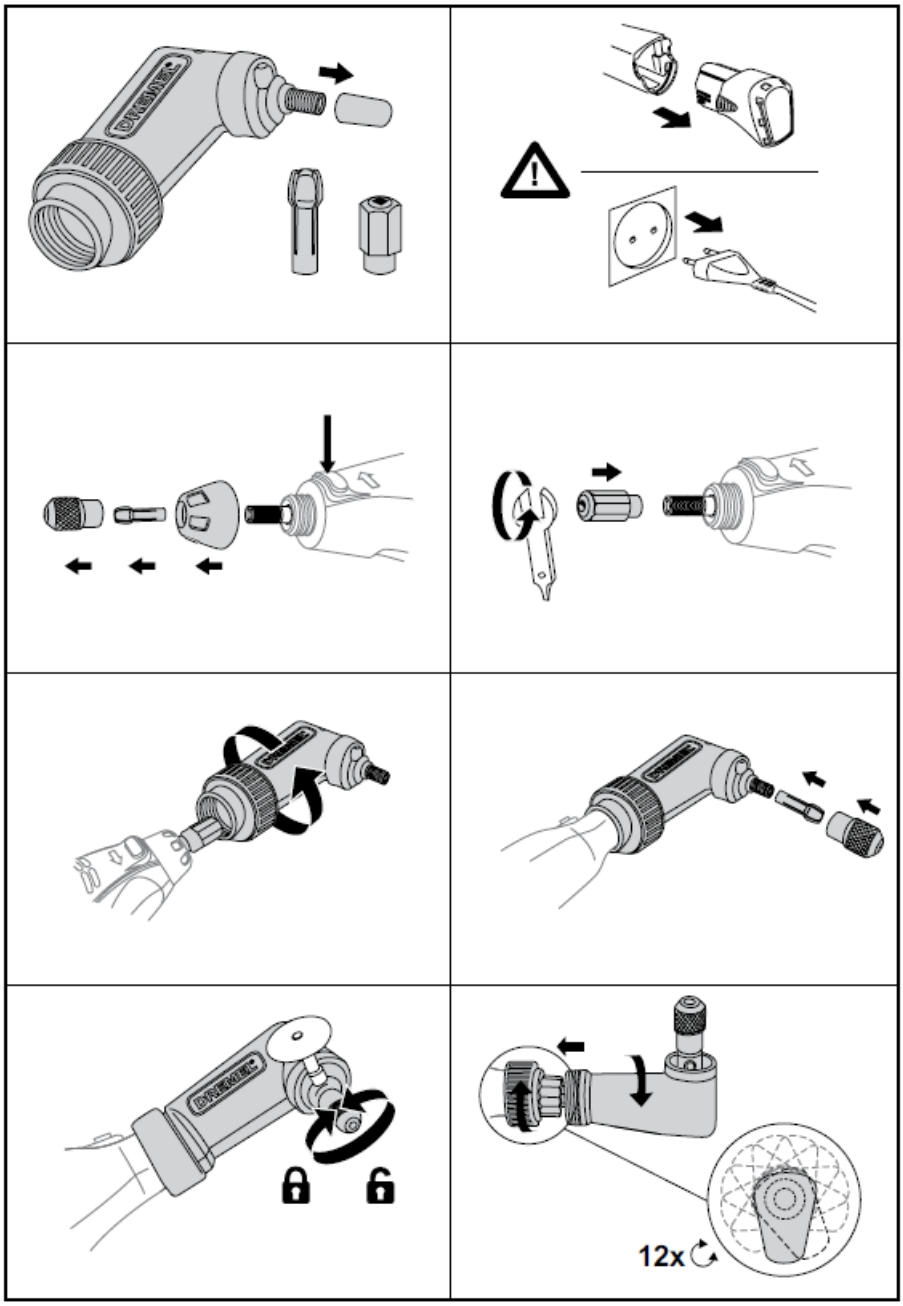
- Multipurpose cutting kit for controlled cutting in a variety of materials



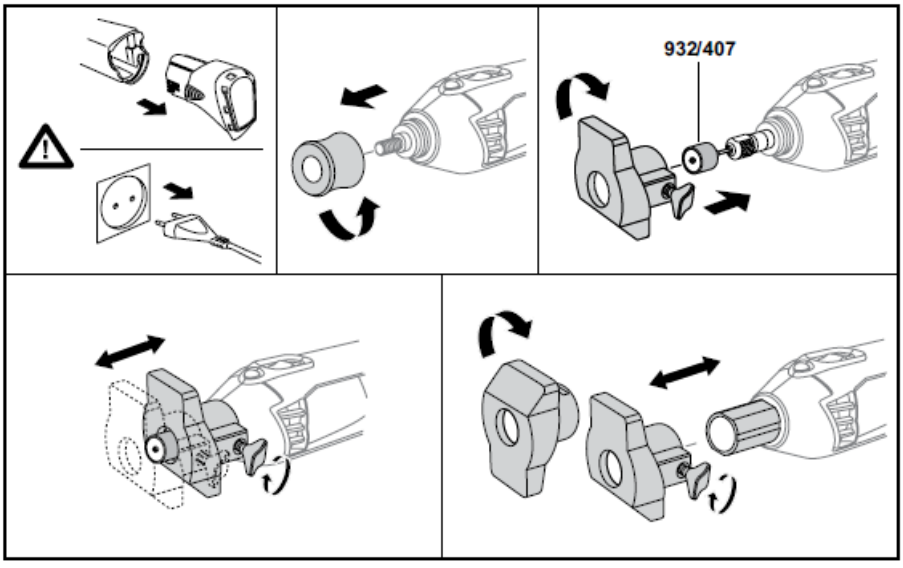
- Wall & floor grout removal kit for removing grout from between wall and floor tiles

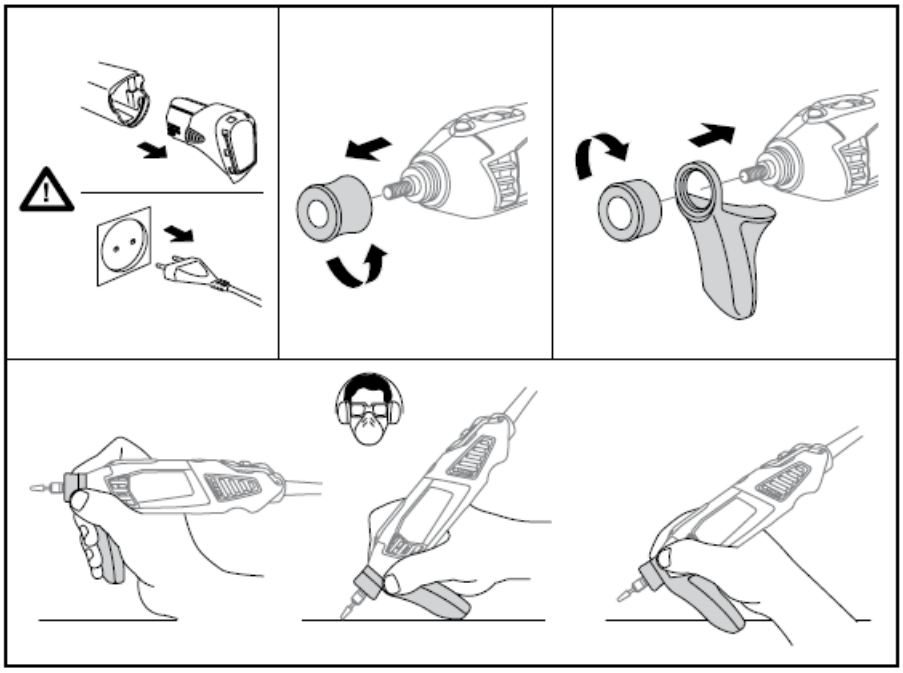


- Right angle attachment to use accessories in right angle for hard-to-reach places

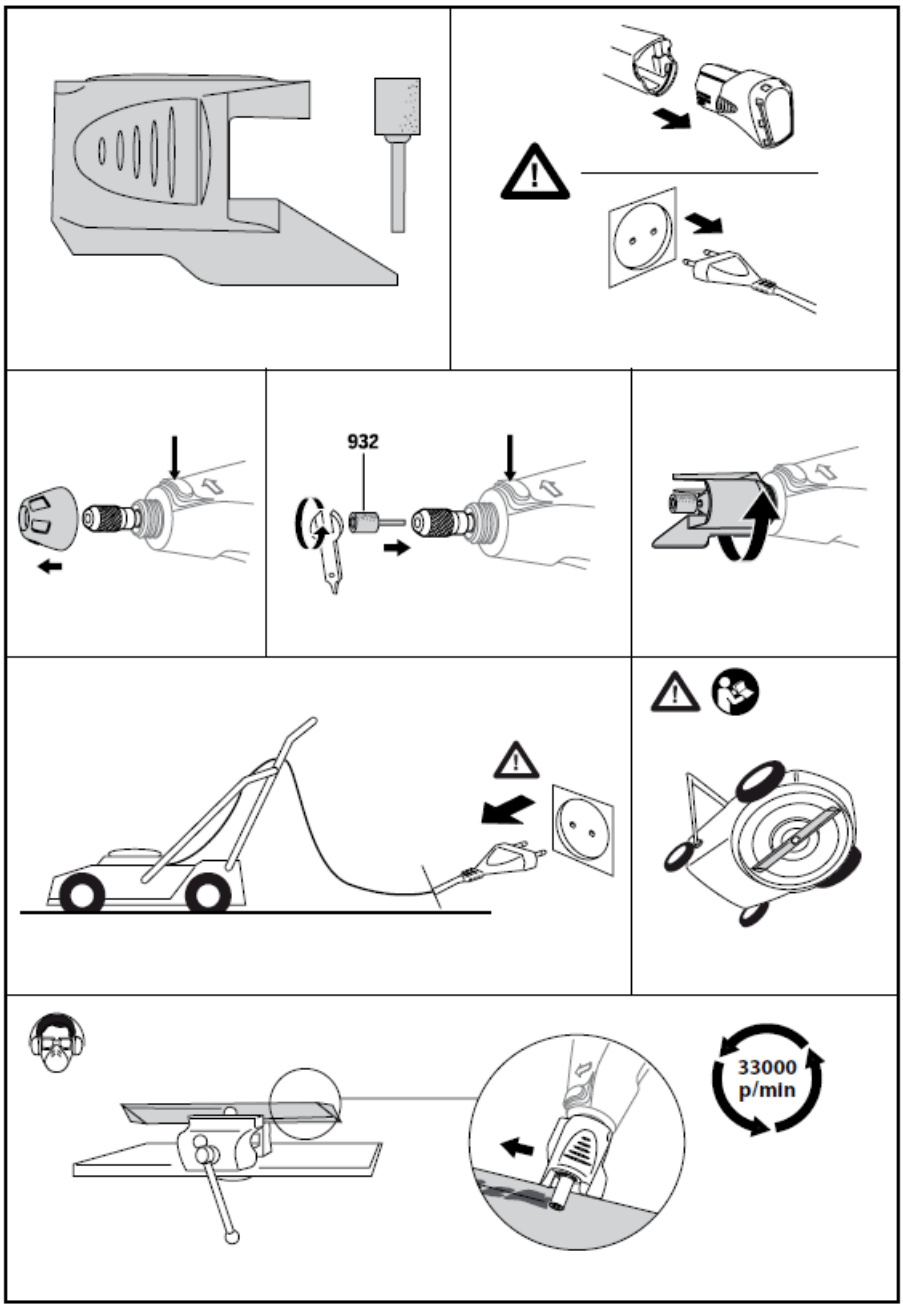


- Shaping platform to sand and grind at perfect 90° and 45° angles

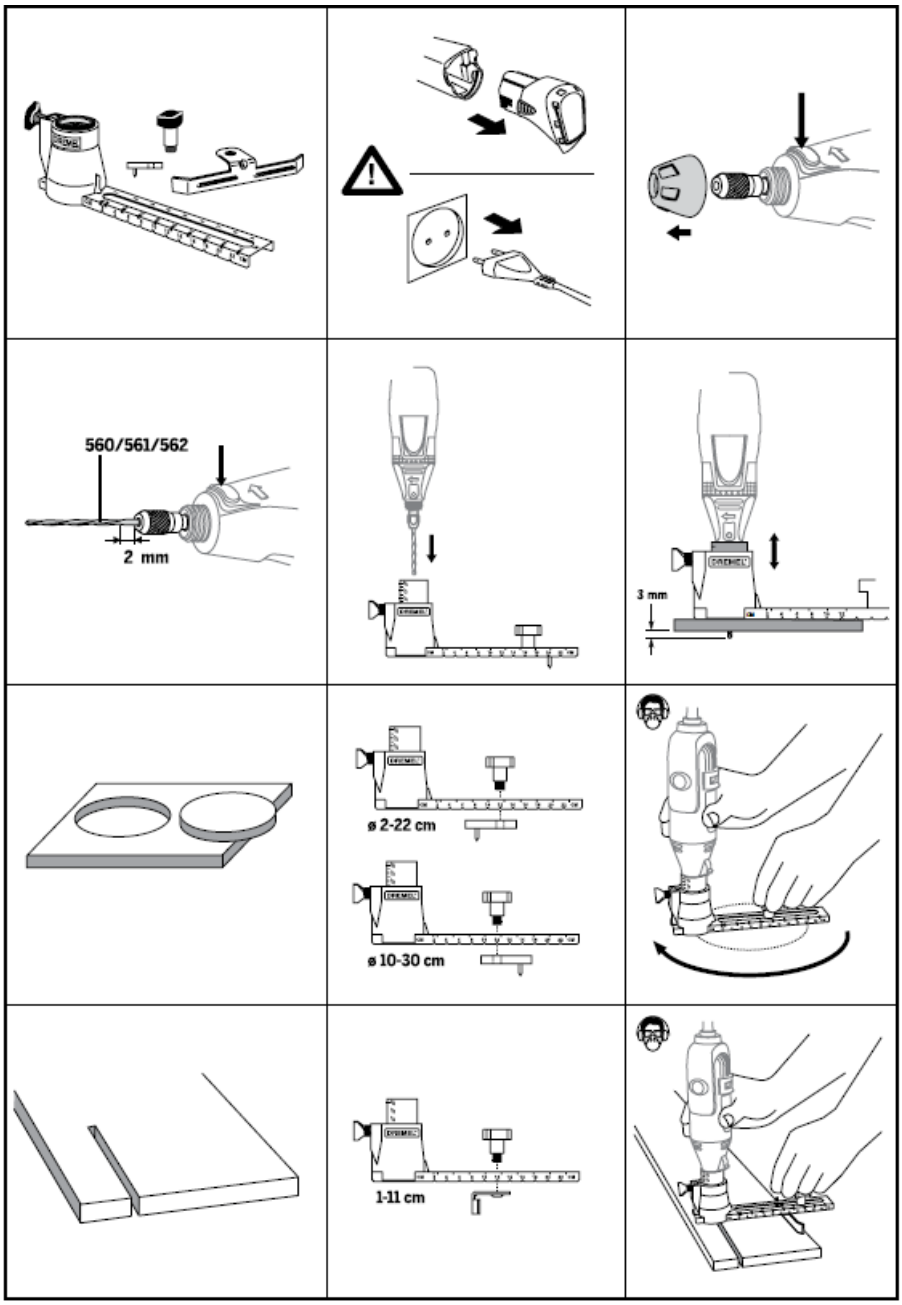




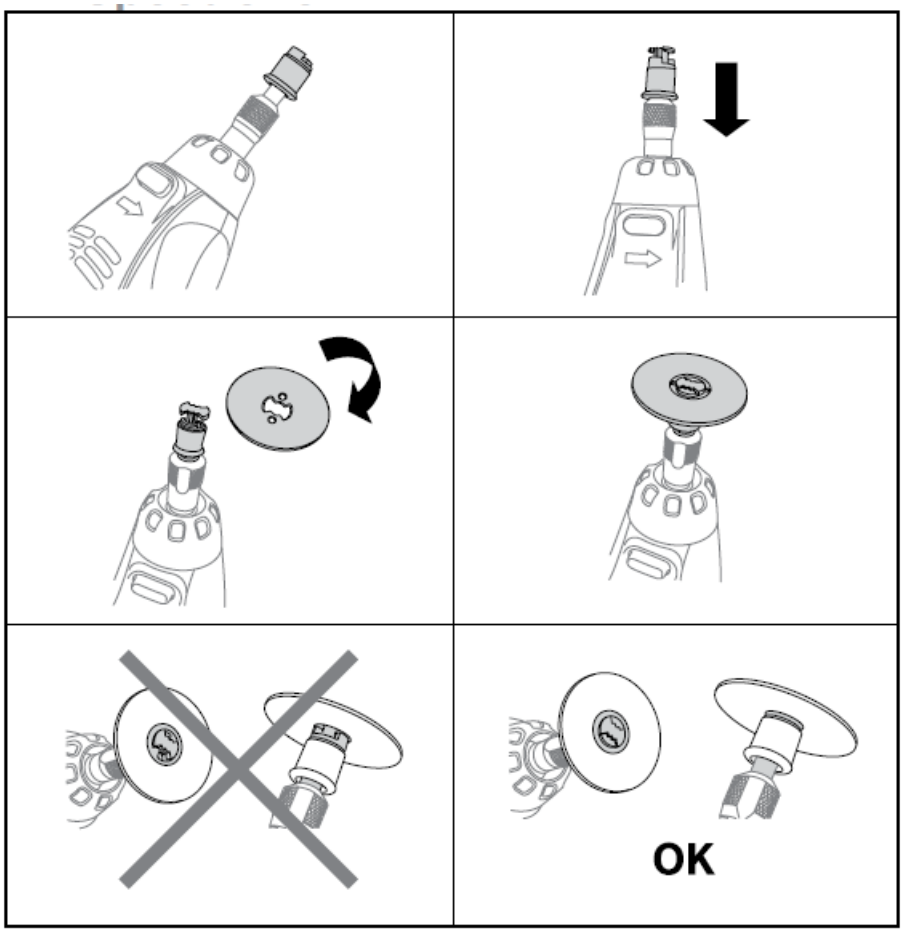
- Detailer’s grip to have even better control of the tool
- Lawn mower & garden tool sharpener for easy and quick sharpening at the optimum angle



- Line & circle cutter to make perfect holes and straight cuts



- ‘EZ SpeedClic’ mandrel for mounting ‘EZ SpeedClic’ accessories



When using a new flexible shaft for the first time, keep it in a vertical position for two minutes with the tool running at high speed.
NOTE: Not all attachments listed above are standard included with the tool/kit

USE

DREMEL APP CONNECTIVITY

- Download the Dremel App to your iOS or Android device from the App Store or Google Play.
- Install the Dremel App on the smart device or make sure you are running the latest version of the app.
- Launch the Dremel App on the smart device and click on “Connect My Tool” in the “My Dremel” section of the app.
- Follow the app directions to pair the tool with the smart device. To pair the tool with the smart device using Bluetooth technology, make sure the tool is turned off and within 1 Meter / 3 Feet of the smart device.
- Once connected the connectivity range with a clear line of sight is up to 20 Meters / 65 Feet.

GETTING STARTED

The first step in using the multitool is to get the “feel” of it. Hold it in your hand and feel its weight and balance. Feel the taper of the housing. This taper permits the tool to be grasped much like a pen or pencil.
IMPORTANT! Practice on scrap material first to see how the tool’s high-speed action performs. Keep in mind that your multitool will perform best by allowing the speed, along with the correct Dremel accessory and attachment, to do the work for you. Do not put pressure on the
tool during use, if possible. Instead, lower the spinning accessory lightly to the work surface and allow it to touch the point at which you want to begin. Concentrate on guiding the tool over the work using very little pressure from your hand. Allow the accessory to do the work. Usually it is better to make a series of passes with the tool rather

than to do the entire job with one pass. A gentle touch gives the best control and reduces the chance of error.

HOLDING THE TOOL

- Always hold the tool away from your face. Accessories can be damaged during handling and can fly apart as they come up to speed.
- When holding tool, do not cover the ventilation openings with your hand. Blocking the ventilation openings could cause the motor to overheat.
- For best control in close work, grip the multitool like a pencil between your thumb and forefinger. The “golf” grip method is used for heavier operations such as grinding or cutting.

ON/OFF

The tool is switched “ON” by the slide switch located on the top side of the motor housing.
TO TURN THE TOOL “ON”, slide the switch button forward. TO TURN THE TOOL “OFF”, slide the switch button backward.

ELECTRONIC MONITORING

Your tool is equipped with an internal electronic monitoring system that provides a “soft start”, which will reduce the stresses that occur from a high torque start. The system also helps to maximize motor and battery performance by cutting the voltage to the tool when stall conditions (see section “Stall Protection”) occur. The motor and battery pack are protected by cutting back the voltage to the motor in these situations.

LEARN THE SPEEDS

After the tool has been turned off:

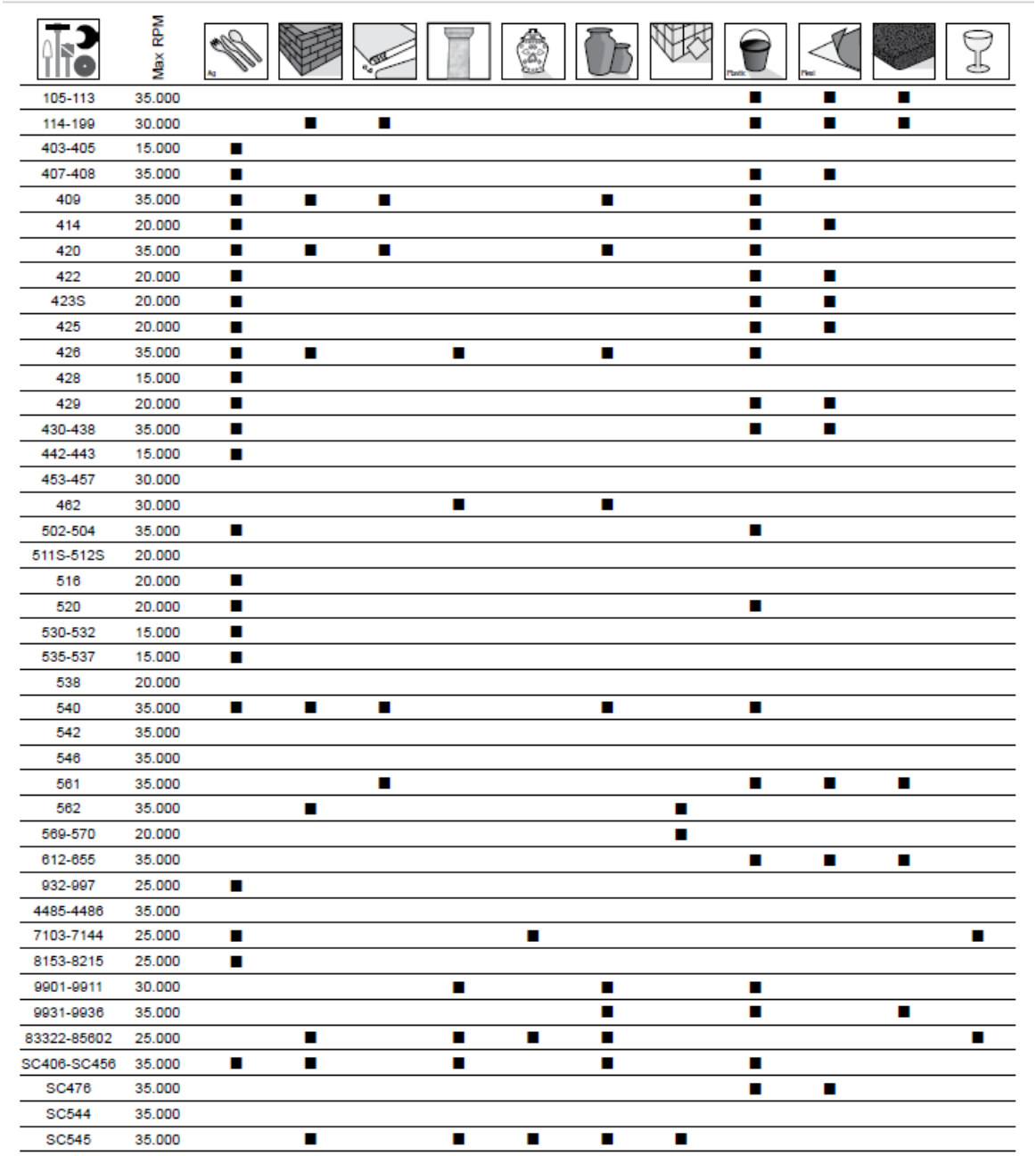
- If you turn it back on within 5 minutes, the tool will turn on at its last set speed setting.
- If turned on after 5 minutes, the tool will turn on at its default speed setting of 15,000 RPM.

VARIABLE SPEED DIAL

- Your tool is equipped with a variable speed slide switch. The speed may be adjusted during operation by sliding the switch back or forth between any one of the settings.
- To select the right speed for each job, use a practice piece of material.

OPERATING SPEEDS

	Max RPM										
105-113	35.000			■	■			■			
114-199	30.000			■	■			■			
403-405	15.000						■	■	■	■	■
407-408	35.000			■	■		■	■	■	■	■
409	35.000		402	■	■		■	■	■		■
414	20.000		401				■	■	■	■	■
420	35.000		402	■	■		■	■	■		■
422	20.000		401				■	■	■	■	■
423S	20.000		(SC)402				■	■	■	■	■
425	20.000		402				■	■	■	■	■
426	35.000		402	■	■			■	■		■
428	15.000						■	■	■	■	■
429	20.000		401				■	■	■	■	■
430-438	35.000			■	■		■	■	■	■	■
442-443	15.000						■	■	■	■	■
453-457	30.000	1453					■	■	■		
462	30.000						■	■	■		
502-504	35.000			■	■		■	■	■	■	■
511S-512S	20.000		(SC)402	■	■						
516	20.000						■	■	■	■	■
520	20.000						■	■	■	■	■
530-532	15.000						■	■	■	■	■
535-537	15.000									■	■
538	20.000						■				
540	35.000		402	■	■		■	■	■		■
542	35.000			■	■	■					
546	35.000	670		■	■						
561	35.000	565		■	■	■					
562	35.000	566									
569-570	20.000	568									
612-655	35.000	231/335		■	■						
932-997	25.000						■	■	■	■	■
4485-4486	35.000										
7103-7144	25.000							■	■	■	■
8153-8215	25.000						■	■	■	■	■
9901-9911	30.000				■		■	■	■		
9931-9936	35.000			■	■	■		■			
83322-85602	25.000										
SC406-SC456	35.000		SC402	■	■		■	■	■		■
SC476	35.000		SC402								
SC544	35.000		SC402	■	■	■					
SC545	35.000		SC402								



	Max. RPM											
105-113	35.000								■	■	■	
114-199	30.000		■	■					■	■	■	
403-405	15.000	■										
407-408	35.000	■							■	■		
409	35.000	■	■	■			■		■			
414	20.000	■							■	■		
420	35.000	■	■	■			■		■			
422	20.000	■							■	■		
423S	20.000	■							■	■		
425	20.000	■							■	■		
426	35.000	■	■		■		■		■			
428	15.000	■										
429	20.000	■							■	■		
430-438	35.000	■							■	■		
442-443	15.000	■										
453-457	30.000											
462	30.000				■		■					
502-504	35.000	■							■			
511S-512S	20.000											
516	20.000	■										
520	20.000	■							■			
530-532	15.000	■										
535-537	15.000	■										
538	20.000											
540	35.000	■	■	■			■		■			
542	35.000											
546	35.000											
561	35.000			■					■	■	■	
562	35.000		■					■				
569-570	20.000							■				
612-655	35.000								■	■	■	
932-997	25.000	■										
4485-4486	35.000											
7103-7144	25.000	■				■						■
8153-8215	25.000	■										
9901-9911	30.000				■		■		■			
9931-9936	35.000						■		■		■	
83322-85602	25.000		■		■	■	■					■
SC406-SC456	35.000	■	■		■		■		■			
SC476	35.000								■	■		
SC544	35.000											
SC545	35.000		■		■	■	■	■				

- Refer to the chart to help determine the proper speed for the material being worked on and the accessory to use.
- Do not exceed 15,000 rpm when using wire brushes.
- Most jobs can be accomplished using the tool at the highest setting. However, certain materials (some plastics and metals) can be damaged by high-speed generated heat and should be worked on at relatively low speeds.
- Low speed operation (15,000 rpm or less) is usually best for polishing operations employing the felt polishing accessories. All brushing applications require lower speeds to avoid wire discharge from the holder. Let the performance of the tool do the work for you when using lower speed settings. Higher speeds are better for hardwoods, metals and glass and for drilling, carving, cutting, routing and shaping.

Some guidelines regarding tool speed:

- Plastic and other materials that melt at low temperatures should be cut at low speeds.
- Polishing, buffing and cleaning with a wire brush must be done at speeds no greater than 15,000 rpm to prevent damage to the brush and your material.

- Wood should be cut at high speed.
- Iron or steel should be cut at high speed.
- If a high speed steel cutter starts to vibrate, it usually indicates that it is running too slowly.
- Aluminium, copper alloys, lead alloys, zinc alloys and tin may be cut at various speeds, depending on the type of cutting being done. Use a paraffin (not water) or other suitable lubricant on the cutter to prevent the cut material from adhering to the cutter teeth.

NOTE: Increasing pressure on the tool is not the answer when it is not performing properly. Try a different accessory or speed setting to achieve the desired result.

MANAGING SPEED SETTINGS IN THE APP
You can preselect a speed between 5,000 – 30,000 RPM on the Dremel App.

- Once you have chosen your desired speed on the app, the corresponding speed will blink for 10 seconds on the speed indicator J on the tool 7.
- You must turn on the tool within 10 seconds otherwise the tool will turn on at its default speed setting of 15,000 RPM.

LEARN THE LED BEHAVIOR
If you turn off the tool with the battery still connected the tool LEDs will behave as follows:

- The Bluetooth LED will remain illuminated for 5 minutes as long as your tool is still connected to your smart device.
- The Speed LED will remain illuminated for 5 minutes to show the last set speed setting.
- The Warning, Battery Gauge, and Dremel Logo LEDs will remain illuminated for 30 seconds.

To turn off all LEDs, turn off the tool and remove the battery pack.

RED WARNING LED

The red warning LED H will illuminate for one of the following reasons:

- Excessive tool temperature: turn the tool off and remove the accessory (Be careful – the accessory may be hot). Then turn the tool on and allow it to run without load so the motor's fan can help cool down the tool.
- Excessive battery temperature: turn the tool off, remove the battery pack and allow the battery to return to normal operating temperature before resuming use.
- Tool stall / overload warning: too much pressure is being applied to the tool. Reduce pressure to hold and guide the tool. Allow the speed of the tool to do the work.

When the Red warning LED will illuminate, you can find detailed information and tips how to prevent this in the Dremel App.

BLUETOOTH LED

The Bluetooth LED I indicates the tool is connected to the smart device 7.

- The Bluetooth LED will repeatedly blink on the tool as it attempts to connect to the smart device.
- Confirm connection of the tool to the smart device by turning the variable speed dial G in either direction 7.
- After completing this process you should see the connected tool in the App and the Bluetooth LED will be illuminated on the tool and will no longer be blinking.

BATTERY LEVEL INDICATOR 7

- 3 of 3 solid green lights = 70-100% Charge remaining
- 2 of 3 solid green lights = 40-70% Charge remaining
- 1 of 3 solid green lights = 20-40% Charge remaining
- 1 of 3 flashing green lights = Below 20% charge remaining

Detailed battery charge information of your tool can be found in the Dremel App.
Your tool is equipped with advanced electronics that protect the Li-Ion cells in the battery from damage due to excessive operating temperature and/or current draw. If the lights illuminate red and/or the tool stops working during heavy use, this most likely indicates that the Li-Ion cells are near their maximum operating temperature, and the battery pack should either be changed or allowed to cool to ambient temperature before continuing use. If the tool automatically turns off due to overload conditions, the switch must be turned off for a few seconds to allow the circuit to reset before continuing use.

STALL PROTECTION

This tool has a stall protection feature built into it to protect the motor and battery in the event of a stall. If you put too much pressure on the tool for too long, or bind the bit in a work piece, especially at high speeds, the motor will stop. Simply take the tool out of the material you were stalled in, and the tool will begin to spin again at the selected speed. If the tool continues to stall for longer than 5 seconds, the tool will automatically shut itself off. This additional feature further protects the motor and the battery from damage. When the battery becomes close to empty, the tool may shut down automatically more frequent than normal. If this happens, it is time to recharge the battery.

MAINTENANCE AND CLEANING

NO USER SERVICEABLE PARTS INSIDE. PREVENTIVE MAINTENANCE PERFORMED BY UNAUTHORIZED PERSONNEL MAY RESULT IN INCORRECT CONNECTION OF INTERNAL WIRING AND COMPONENTS WHICH COULD CAUSE SERIOUS HAZARD.
The tool can be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

TO AVOID ACCIDENTS, ALWAYS DISCONNECT THE TOOL AND/OR CHARGER FROM THE POWER SUPPLY BEFORE CLEANING
Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean the tool by inserting pointed objects through an opening.

CERTAIN CLEANING AGENTS AND SOLVENTS DAMAGE PLASTIC PARTS. Some of these are:

gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

SERVICE AND WARRANTY

We recommend that all tool service be performed by a Dremel Service Centre.

This Dremel product is guaranteed in accordance with statutory/country-specific regulations; damage due to normal wear and tear, overload or improper handling are excluded from the warranty.
In case of a complaint, send the undismantled tool and/or charger and proof of purchase to your dealer.

CONTACT DREMEL

For more information on service and warranty, the Dremel product range, support and hotline, go to **www.dremel.com**.

NOISE AND VIBRATION

- **Sound pressure level (stand. deviation 3dB)** dB(A) <70
- **Vibration (triax vector sum)** m/s2 <2.5
- **Vibration uncertainty** K m/s2 1.5

NOTE: The declared vibration total value(s) and the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another; they may also be used in a preliminary assessment of exposure.
The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which you use the tool.
Make an estimation of the exposure in the actual conditions of use and identify the safety measures for personal protection accordingly (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

DISPOSAL

The tool, batteries, accessories and packaging should be sorted for environmental-friendly recycling.
Some regions require all E-waste to be collected separately and disposed of in an environmentally correct manner. Check E-Waste disposal regulations and laws in your region prior to disposing the tool and battery.

ONLY FOR EC COUNTRIES

According the European Guideline 2012/19/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Bosch Power Tools B.V. Konijnenberg 60 4825 BD Breda The Netherlands
www.dremel.com

Documents / Resources

	**DREMEL 8260 12VLi-Ion Variable Speed Cordless Smart Rotary Tool** [pdf] Instructions 8260, 12VLi-Ion Variable Speed Cordless Smart Rotary Tool, Speed Cordless Smart Rotary Tool, Cordless Smart Rotary Tool, Smart Rotary Tool, 8260, Rotary Tool

References

- Dremel Tools - Rotary, Saws, Oscillating and more | Dremel
- Dremel Tools - Rotary, Saws, Oscillating and more | Dremel