

**IMPORTANT:**  
Read Before Using

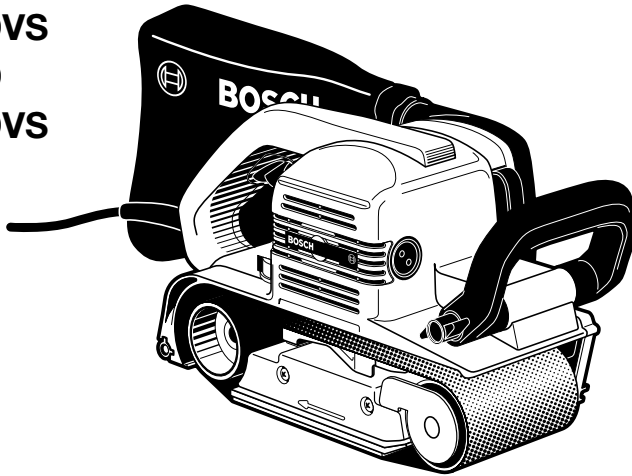
**IMPORTANT :**  
Lire avant usage

**IMPORTANTE:**  
Leer antes de usar



**Operating/Safety Instructions**  
**Consignes de fonctionnement/sécurité**  
**Instrucciones de funcionamiento y seguridad**

**1275DVS**  
**1276D**  
**1276DVS**



**BOSCH**

**Consumer Information**  
**Renseignements des consommateurs**  
**Información para el consumidor**

**Toll Free Number:** 1-877-BOSCH99 (1-877-267-2499) **Appel gratuit :** **Número de teléfono gratuito:** <http://www.boschtools.com>

**For English**  
**See page 2**

**Parlez-vous français?**  
**Voir page 11**

**¿Habla español?**  
**Ver página 20**

## Power Tool Safety Rules

**⚠ WARNING** Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

### SAVE THESE INSTRUCTIONS

#### Work Area

**Keep your work area clean and well lit.** Cluttered benches and 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 by-standers, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

#### Electrical Safety

**Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double Insulation  eliminates the need for the three wire grounded power cord and grounded power supply system. *Before plugging in the tool, be certain the outlet voltage supplied is within the voltage marked on the nameplate. Do not use "AC only" rated tools with a DC power supply.*

**Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded. If operating the power tool in damp locations is unavoidable, a Ground Fault Circuit Interrupter must be used to supply the power to your tool. Electrician's rubber gloves and footwear will further enhance your personal safety.

**Don't 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 to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.

**When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock. Refer to "Recommended sizes of Extension Cords" in the Accessory section of this manual.

#### Personal Safety

**Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts. Keep handles dry, clean and free from oil and grease.

**Avoid accidental starting. Be sure switch is "OFF" before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch "ON" invites accidents.

**Remove adjusting keys or wrenches before turning the tool "ON".** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

**Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

#### Tool Use and Care

**Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

**Do not force tool. Use the correct tool for your application.** The correct tool will do the

job better and safer at the rate for which it is designed.

**Do not use tool if switch does not turn it "ON" or "OFF".** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

**Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

**Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

**Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control. Any alteration or modification is a misuse and may result in a dangerous condition.

**Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool**

**serviced before using.** Many accidents are caused by poorly maintained tools. Develop a periodic maintenance schedule for your tool.

**Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

### Service

**Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury. For example: internal wires may be misplaced or pinched, safety guard return springs may be improperly mounted.

**When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

## Belt Sander Safety Rules

**Hold tool by insulated gripping surfaces when performing a operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

**If your tool is equipped with a dust bag, empty it frequently and after completion of sanding.** Be extremely careful of dust disposal, materials in fine particle form may be explosive. Do not throw sanding dust on an open fire. Spontaneous combustion, may in time, result from mixture of oil or water with dust particles.

**Use special precautions when sanding chemically pressure treated lumber, paint that may be lead based, or any other materials that may contain carcinogens.** A suitable breathing respirator and protective clothing must be worn by all persons entering the work area. Work area should be sealed by plastic sheeting and persons not protected should be kept out until work area is thoroughly cleaned.

**Do not wet sand with this sander.** Liquids entering the motor housing is an electrical shock hazard.

**Never leave the trigger locked "ON". Before plugging the tool in, check that the trigger lock is "OFF".** Accidental start-ups could cause injury.

**Unplug the sander before changing accessories.** Accidental start-ups may occur if sander is plugged in while changing an accessory.

**Keep your fingers and clothing away from the belt.** They could get cut or wedged between the pulley, belt and motor housing.

**Properly adjust tracking of belt to avoid it overhanging the housing.** A running belt overhanging its housing can cause severe lacerations.

**Be aware of the location and setting of the Switch "Lock-ON" Button.** If the switch is locked "ON", be ready for emergency situations to switch it "OFF", by first pulling

the trigger then immediately releasing it without pressing the "Lock-ON" button.

**Keep the cord to the side away from pulleys.** The cord can be dragged into belt housing and become entangled with the pulleys.

**Clamp or secure workpiece when sanding.** Clamping the workpiece prevents it from being ejected from under the sander and leaves both hands to control the tool.

**Clamp or secure sander if it is inverted and bench mounted for use as a table sander. Always use edge stop or guide when sanding short or small workpieces.** Fingers or clothing can be dragged into pulley and housing area.

*Portable belt sanders are not intended to be permanently mounted as a bench or table sander. There are accessories available which can convert certain portable belt sanders for occasional stationary use. If such accessories are used always clamp or secure sander when inverted and bench mounted for use as a table sander. Be aware of switch*

*location and know how to shut off the tool in emergency situations. Always follow directions included with the accessory. Use sanding fence, stop or guide when sanding short or small workpieces.*

**⚠ WARNING** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

## Symbols

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Designation/Explanation
V	Volts	Voltage (potential)
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
∅	Diameter	Size of drill bits, grinding wheels, etc.
$n_0$	No load speed	Rotational speed, at no load
.../min	Revolutions or reciprocation per minute	Revolutions, strokes, surface speed, orbits etc. per minute
0	Off position	Zero speed, zero torque...
1, 2, 3, ... I, II, III,	Selector settings	Speed, torque or position settings. Higher number means greater speed
0	Infinitely variable selector with off	Speed is increasing from 0 setting
	Arrow	Action in the direction of arrow
	Alternating current	Type or a characteristic of current
	Direct current	Type or a characteristic of current
	Alternating or direct current	Type or a characteristic of current
	Class II construction	Designates Double Insulated Construction tools.
	Earthing terminal	Grounding terminal
	Warning symbol	Alerts user to warning messages
	Ni-Cad RBRC seal	Designates Ni-Cad battery recycling program



This symbol designates that this tool is listed by Underwriters Laboratories.



This symbol designates that this tool is listed to Canadian Standards by Underwriters Laboratories.



This symbol designates that this tool complies to NOM Mexican Standards.



This symbol designates that this tool is listed by the Canadian Standards Association.



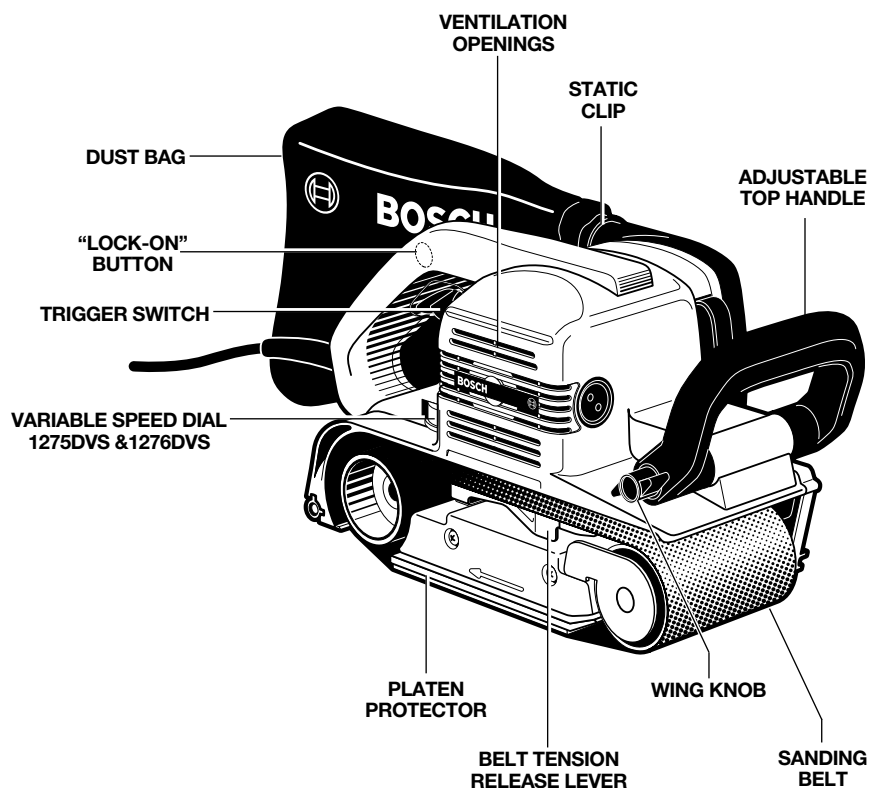
This symbol designates that this tool is listed by Underwriters Laboratories, and listed to Canadian Standards by Underwriters Laboratories.

## Functional Description and Specifications

**⚠ WARNING** Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

### Belt Sander

**FIG. 1**



Model number	1275DVS	1276DVS	1276D
Voltage rating	120 V ~ 50 - 60Hz	120 V ~ 50 - 60Hz	120 V ~ 50 - 60Hz
Amperage rating	10.5 A	10.5 A	10.5 A
No load speed	$n_0$ 1,150-1,550/min	$n_0$ 1,150-1,550/min	$n_0$ 1,550/min
Belt size	3" x 24"	4" x 24"	4" x 24"

## Assembly

### BELT INSTALLATION

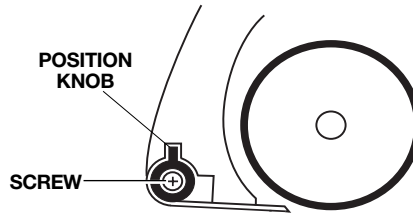
**⚠ WARNING** To prevent personal injury, always disconnect the plug from the power source before removing or installing the belt.

Your belt sander will accept non woven or polishing belts up to 8mm (5/16") thick, but it is necessary to adjust the dust port flap to allow clearance for the thicker belt.

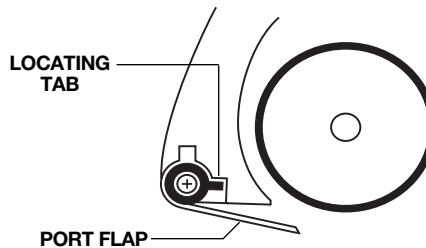
To adjust flap, remove screw and pull position knob free of the tool. Lower dust port flap slightly, and reinsert the position knob with the locating tab facing forward as shown to hold flap in the lowered position. Reinsert screw and tighten position knob in place. To raise flap back to its normal position for standard sanding belts, reverse this procedure.

Place sander upside down, and pull belt tension release lever towards rear of tool to release the belt. Pull the old belt free of the pulleys through the open side of the sander. To install new belt, leave lever fully released and place the new belt in position over the pulleys and platen protector. If the belt has a direction of rotation arrow marked on its inside surface, be sure to face the belt in

that direction. With the belt properly positioned, push lever back into its recess to apply proper tension to the belt.



Normal position for standard belts



Open position for non-woven or polishing belts up to 8mm (5/16") thick.

## Operating Instructions

### TRIGGER SWITCH AND "LOCK-ON" BUTTON

Your sander can be turned "ON" or "OFF" by squeezing or releasing the trigger. Your sander is also equipped with a "Lock-ON" button located just above the trigger that allows continuous operation without holding the trigger TO LOCK SWITCH ON: squeeze trigger, depress "Lock-ON" button and release trigger.

TO UNLOCK THE SWITCH: squeeze trigger and release it without depressing the "Lock-ON" button.

**⚠ WARNING** If the "Lock-ON" button is continuously being depressed, the trigger cannot be released.

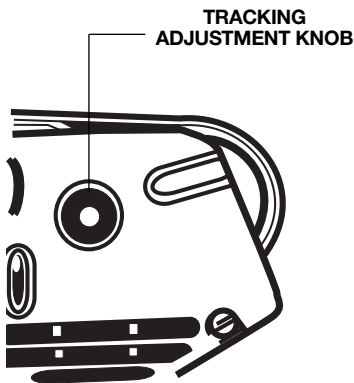
### VARIABLE SPEED DIAL (1275DVS & 1276DVS)

This tool is equipped with a variable speed dial. The belt speed may be controlled by presetting the dial in any one of six positions.

Dial setting	Material/Application
3 thru 5	Delicate surfaces, veneers, and with sanding frame for light surface finishing.
3 thru 5	Plastics or other surfaces where belt loading or heat buildup is a problem
4 thru 6	Solid wood, fast stock removal, paint removal
3 thru 6	General service, metal sanding, chipboard, coarse sanding on rough surfaces

**TRACKING ADJUSTMENT**

Turn sander upside down and plug it into the power source. Hold the sander firmly with one hand, engage trigger switch to turn the tool "ON", and note the tracking of the sanding belt. If the belt runs outward (towards the open side of the sander) turn tracking adjustment knob counter-clockwise. If the belt runs inward, turn the knob clockwise. Adjust the belt in this manner until the edge of the belt runs flush with the outer edge of both pulleys and covers the platen protector. Your sander is now ready for use. In some cases, the belt will require a slight readjustment after it is applied to the work surface, so note the tracking carefully during the first minutes of operation and readjust as required.



**ADJUSTABLE TOP HANDLE**

The top handle provided should always be used to guide and balance the tool. Grip the tool by the multi-position top handle, and the rear handle, for safe control and ease of operation. To adjust the top handle, loosen wing knob at least two full turns, position handle and retighten knob firmly.

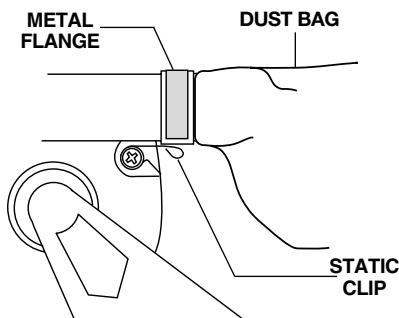
**DUST EXTRACTION**

Proper dust removal will extend abrasive life and produce more consistent results. The integral dust extraction system collects sanding dust in the dust bag assembly. Bag should be emptied when it is no more than half full, and should be replaced when the surface becomes clogged with dust or efficiency will be reduced. To empty or replace bag, pull the bag free of dust port. Open the zipper on the rear of the bag, and empty contents into suitable receptacle.

To install bag, firmly push the bag into place on the dust port so that it covers the "O" ring to create a seal and the metal flange on dust

bag makes contact with the static clip as shown. The static clip is provided to dissipate static electricity that accumulates in the bag and can cause annoying shock to the user.

For added efficiency, a vacuum hose and adaptor (optional accessories) are also available which will allow your sander to be connected to a shop vacuum system. See your Bosch catalog for optional Bosch Airsweep accessories.



**Sanding Tips**

**SELECTING THE SANDING BELT**

It is very important that you select the proper belt for each particular application. To do this you should understand the method of marking or coding on the back of most belts. "CLOSED COAT" means the surface is densely covered with as much grit as the adhesive will hold. "OPEN COAT" means the grit has been applied evenly, but openly to the surface. An

"open coat" will not clog or fill as readily as "closed coat". In general, aluminum oxide abrasive belts are best for woodworking because they are tougher and last longer. Sanding belts should be stored in a cool, dry place. Do not store near heat or near a window where the sun can reach them.

**TECHNIQUE**

Grasp the handles firmly. Start the sander with the belt off the work (NOTE: never start or stop



the tool with the belt in contact with the work surface). Place the heel of the sander on the work first. Then, with a forward motion, begin the sanding stroke as the machine is lowered onto the work surface. This will prevent gouging. Keep the sander moving so that your work will be smooth and even. The stroke is simply a back-and-forth movement with most of the sanding done on the pull movement. Use a light touch. The weight of the belt sander is the only pressure required. Too much pressure will slow the work by overloading the motor and reducing belt speed. The result will be decreased sanding efficiency. Sand slowly and systematically and, when you stop, lift the sander from the surface before stopping the tool.

**WOOD FINISHING**

Take care to select belts wisely. For initial smoothing of rough lumber, use coarse or very coarse grit and sand with the grain. On very uneven or hard wood, sand diagonally (across the grain). Be careful to avoid gouging. Now switch to medium grit belt and sand with the grain. This will provide a relatively level and smooth finish. Now insert a fine grit belt for final finishing. Always sand with the grain to remove scratches left by coarser belts. Keep the sander moving in long, light strokes during finishing operations. As a final touch, experienced sanders will often insert a "used" fine belt to provide a smooth surface for filling, sealing, brushing or spraying.

**REFINISHING COATED WOOD**

Your belt sander will also help remove old paint, varnish or lacquer; however, if the coating consists of several layers, remove as much as possible with a paint solvent or varnish remover before using the belt sander. Use a hand scraper to remove the residue left by the solvent and allow surface to dry completely before sanding.

**GUIDE FOR WOOD SANDING OPERATIONS**

<b>Abrasive Belt</b>	<b>Material/Application</b>
Open-coat 36 to 60 grit	Rough, fast stock removal, removal of old finishes
Open-coat 60 to 100 grit	Intermediate finishing
Open or closed-coat 120 to 180 grit	Fine finishing
Open or closed-coat, 200 or finer grit	Extra-fine finishing, especially with hard woods

Remove all sanding dust thoroughly before coating. Use a soft brush or a vacuum cleaner and hose to remove all dust from seams or crevices.

For fast removal, start with a coarse grit, open coat belt. Change to closed coat belts, using medium grits as the material shows through the coating. When the covering is thin, use medium grit to avoid scratching the material. Use short, light strokes, moving the sander rapidly. Excessive pressure or steady sanding in one place will burn the coating and load the belt.

**METAL FINISHING**

For ferrous metals such as steel, stainless steel, iron, etc., use coarse grit open coat belts or coarse to fine grit closed coat belts, depending on the finish desired. Non-ferrous metals such as aluminum, solder, brass, bronze, etc., can also be sanded. Beeswax or tallow are recommended as lubricants for metal sanding, polishing or satin finishing to minimize belt loading and to lengthen belt life. To use, simply rub the lubricant on the belt from time to time. SAE No. 10 or 20 lubricating oil can also be used to assure a smooth scratch free surface. Just wipe the oil on the surface prior to sanding.

## Maintenance

### Service

**⚠ WARNING** Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a Bosch Factory Service Center or Authorized Bosch Service Station.

### TOOL LUBRICATION

Your Bosch tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

### CARBON BRUSHES

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend every two to six months the brushes be examined. Only genuine Bosch replacement brushes specially designed for your tool should be used.

### BEARINGS

After about 300-400 hours of operation, or at every second brush change, the bearings

should be replaced at Bosch Factory Service Center or Authorized Bosch Service Station. Bearings which become noisy (due to heavy load or very abrasive material cutting) should be replaced at once to avoid overheating or motor failure.

### Cleaning

**⚠ WARNING** To avoid accidents always disconnect the tool from the power supply before cleaning or performing any maintenance. The tool may be cleaned most effectively with compressed dry air. **Always wear safety goggles when cleaning tools with compressed air.**

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

**⚠ CAUTION** 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.

## Accessories

**⚠ WARNING** If an extension cord is necessary, a cord with adequate size conductors that is capable of carrying the current necessary for your tool must be used. This will prevent excessive voltage drop, loss of power or overheating. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

**NOTE:** The smaller the gauge number, the heavier the cord.

### RECOMMENDED SIZES OF EXTENSION CORDS 120 VOLT ALTERNATING CURRENT TOOLS

Tool's Ampere Rating	Cord Size in A.W.G.				Wire Sizes in mm <sup>2</sup>			
	Cord Length in Feet				Cord Length in Meters			
	25	50	100	150	15	30	60	120
3-6	18	16	16	14	0.75	0.75	1.5	2.5
6-8	18	16	14	12	0.75	1.0	2.5	4.0
8-10	18	16	14	12	0.75	1.0	2.5	4.0
10-12	16	16	14	12	1.0	2.5	4.0	—
12-16	14	12	—	—	—	—	—	—

Models	1275DVS	1276D	1276DVS	(*= standard equipment) (**= optional accessories)
Cloth dust bag assembly	*	*	*	
Sanding belt	*	*	*	
Vacuum hose	**	**	**	
Hose/Vacuum adaptor	**	**	**	
Platen protector	*	*	*	
Graphite platen protector	**	**	**	
Sanding frame		**	**	
Sanding stand		**	**	
Sanding fence		**	**	