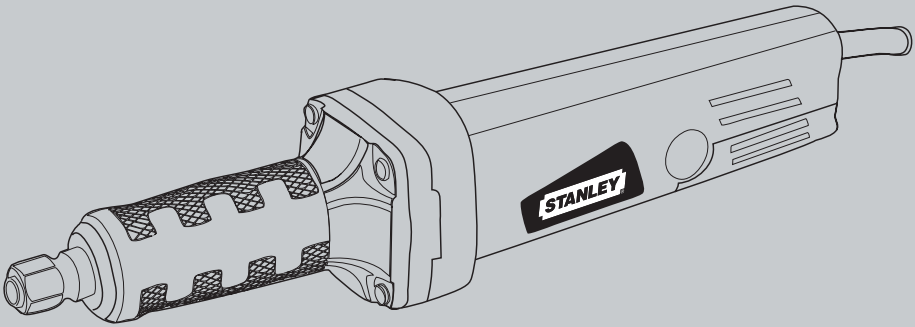
STANLEY®



STEL861

Figure E

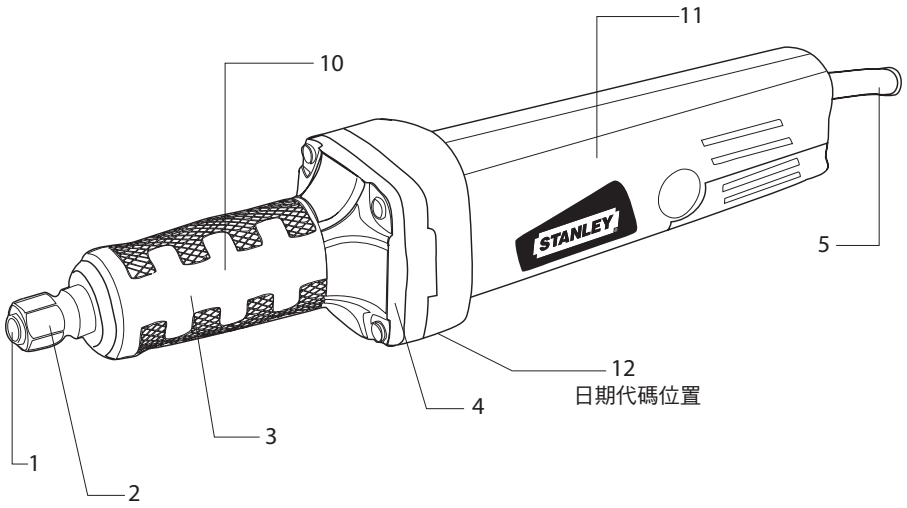


Figure A

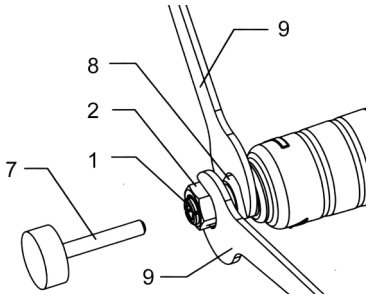
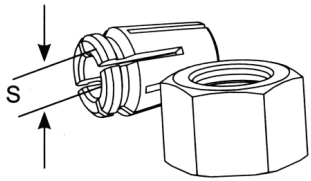


Figure B



Φ-S = 6 mm

Figure C

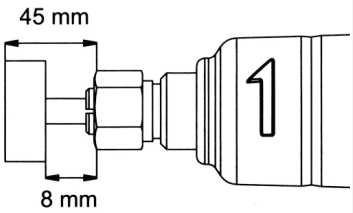
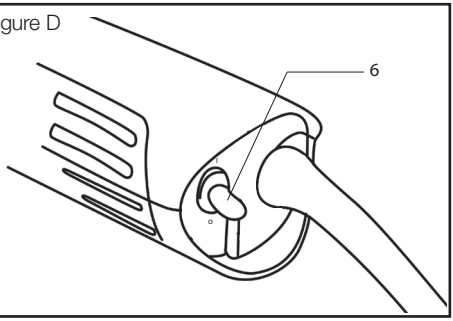


Figure D



STEL861
DIE GRINDER

Technical Data

		STEL861
POWER	W	500
VOLTAGE	V	110
NO-LOAD SPEED	r/min	27000
MAX CHUCK CAPACITY	mm	6
MAX WHEEL CAPACITY	mm	25

Intended Use

This Stanley die grinder has been designed for professional grinding.

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

a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

b) **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.

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

a) **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.

Safety Warnings Common For Grinding Operations:

a) **This power tool is intended to function as a grinder 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) **Do not recommend use this power tool operations as sander, wire brush and so on.** *Used this power tool do besides appointed function will cause hazards and personal injuries.*

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 grinding accessories must be at least equal to the maximumspeed marked on the power tool.** *Grinding 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 controlled.*

f) **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.*

g) **Mandrel mounted wheels, sanding drums, cutters or other accessories must be fully nserted 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.*

h) **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.*

i) **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.*

j) **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*

k) **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 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.*

m) **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.*

n) **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.*

o) **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.*

p) **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.*

q) **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.*

r) **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.*

s) **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*

t) **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.

a) **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.*

b) **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.*

c) **Do not attach a toothed saw blade.** *Such blades create frequent kickback and loss of control.*

d) **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.

e) **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:

a) **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.*

b) **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.*

c) **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.*

d) **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.*

e) **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.*

f) **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.*

g) **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.*

h) **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.*

Storage and handing of recommended accessories.

Label On Tool

The following symbols are shown on the tool:

WARNING!To reduce the risk of injury, the user must read the instruction manual.

Wear eye protection.

Wear ear protection.

The tool is double insulated; therefore no earth wire is required. Always check that power supply corresponds to the voltage on the rating plate.

If the supply cord is damaged, it must be replaced by the manufacturer or an authorised Stanley Service Center in order to avoid a hazard.

Features

This tool includeds some or all of the following features.

1) Collet chuck
2) Collet nut
3) Shaft cover
4) Ventilation slots
5) Cable
6) Toggle switch
7) Grinding Wheel
8) Spindle
9) Spanner
10) Front handle
11) Primary handle

Operating Instructions

1) **POWER SUPPLY**
The power tool supply must match the nameplate data.
2) **INSTALLING WHEEL** (**Fig A**)
⚠ **WARNING!** Only use grinding wheels with maximum safe operating speed rated at or above 40m/s. Ensure the grinding wheel is correctly mounted and tightened, run the tool at no-load speed for 30 secondes in safe position before using. Stop immediately if there is considerable vibration or other defects are detected. Never use damaged grinding wheels or rimous ones.
a) Mount the spanner (9) to the spindle (8) and loosen the clamping nut (2) with another spanner.
b) Insert the grinding wheel (7) shaft into the collet chuck (1) as far as it can go.
c) Tighten the collet chuck (1) securely by spanners.
d) The maximum recommended diameter of mounted wheel is 25mm.
3) **SWITCHING ON AND OFF**
⚠ **WARNING!** Make sure you can control the switch freely and keep it off before plugging in.
a) **ON:** Shift switch (6) to "**I**". (**Fig D**)
b) **OFF:** Shift switch (6) to "**O**". (**Fig D**)
c) Let the wheel reach full speed before grinding.
d) Once the safety brush worn, grinder turns off automatically to avoid motor damage. Motor was damaged.
e) After inspecting and installing an accessory, run the power tool at maximum no-load speed for five minutes before any work.

Standard Attachments

1) Collet
2) Two Spanners (17mm)

Be sure to check the attachments as it is subject to change by areas and models.

Application

⚠ **WARNING!** To reduce the risk of injury, electric shock and damage to the tool, before any work check the utility lines electricity, gas or water supply line are hidden in the work area.
⚠ **WARNING!** Firmly grasp primary hold part of tool and side handle before starting.

Grinding Application

a) Optimum grinding results are achieved when the grinding tool is moved uniformly back and forth with light pressure.
b) Pressure that is too strong reduces the performance capability of the tool and cause the grinding to exhaust more quickly.
c) Be sure that the distance between the top of collet chuck and bottom of the grinding wheel is less than 8mm and between the top of collet chuck and top of grinding wheel is less than 45mm to prevent vibration of the tool and unexpected accidents.(**Fig C**)
⚠ **WARNING!** Sparks generated when grinding metal.Take care that no combustible material presented on the area of flying sparks.

Maintenance

Your 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!** Before performing any maintenance, switch off and unplug the tool.
- Regularly clean the ventilation slots in your tool using a soft brush or dry cloth.
- Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.

⚠ **IMPORTANT!** To assure product Safety and reliability, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified service personnel, always using identical replacement parts.

Lubrication

Stanley tools are properly lubricated and are ready for use.

Protecting The Environment

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

Should you find one day that your Stanley 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 material 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.

STEL861
刻磨機
技術資料

		STEL861
功率	W	500
電壓	V	110
空載轉速	r/min	27000
最大夾頭尺寸	mm	6
最大砂輪直徑	mm	25

設計用途

這款 Stanley 刻磨機設計用於專業打磨。

電動工具一般安全警告

警告！請閱讀所有安全警告及使用指示。不遵循這些警告和指示可能會導致觸電、火災及/或嚴重傷害。

請妥善保存所有的警告和使用手冊以備將來查閱。警告中的名詞「電動工具」是指電源驅動（插電）電動工具，或者電池驅動（充電）電動工具。

1) 工作場地安全

a) **保持工作場地清潔和明亮。**混亂或黑暗的場地會引發事故。

b) **不要在易爆環境，如有易燃液體、氣體或塵埃的環境中操作電動工具。**電動工具產生的火花會點燃塵埃或氣體。

c) **請等待兒童和旁觀者離開之後才操縱電動工具。**分心會導致您疏於控制。

2) 電力安全

a) **電動工具插頭必須與插座相符。請勿以任何方式改裝插頭。需接地的電動工具不能使用任何配接器插頭。**未經改裝的插頭和相符的插座可以減少觸電危險。

b) **避免人體接觸接地表面，如管道、散熱片、爐灶和冰箱。**若您的身體接地，會增加觸電危險。

c) **不得將電動工具暴露在雨中或潮濕環境中。**水進入電動工具會增加觸電危險。

d) **請勿濫用電線。請勿使用電線來搬運、拉動電動工具或拔出插頭。讓電線遠離熱、油、銳邊或活動部件。**受損或纏繞的電線可增加觸電危險。

e) **若要在戶外使用電動工具，請使用適合戶外使用的延長電線。**使用適合戶外使用的電線可減少觸電危險。

f) **若必須在潮濕場合使用電動工具，請使用漏電保護器 (RCD)。**使用 RCD 可降低觸電危險。

3) 人身安全

a) **保持警覺；在操作電動工具時，請留意所執行的操作並按照一般的常識執行。不要在疲倦，或受到藥物、酒精或治療的影響下操作電動工具。**操作電動工具期間注意力分散會導致嚴重人身傷害。

b) **使用個人防護裝置。始終佩戴護目裝備。**防護裝置，例如在適當條件下可使用的防塵面具、防滑安全鞋、安全帽或聽力保護等裝置可減少人身傷害。

c) **避免意外啓動。連接電源及/或電池組、撿取或搬運電動工具之前，請確定開關處於關閉位置。**搬運電動工具時若將手指放在開關上，或是在接通開關電源時插入插頭都會引發危險。

d) **接通電動工具之前，請卸下所有的調整鑰匙或扳手。**遺留在電動工具旋轉部件上的扳手或鑰匙會導致人身傷害。

e) **不要過度伸張雙手。時刻注意腳下和身體的平衡。**如此即可在發生意外的情況下更好地控制電動工具。

f) **適當穿著。不要穿寬鬆衣服或佩戴飾品。讓您的頭髮、衣服和手套遠離活動部件。**寬鬆衣服、佩飾和長髮可能會捲入活動部件。

g) **若配備用於連接排屑裝置、集塵設備的裝置，請確定正確連接和使用這些裝置。**使用集塵設備可減少與塵埃有關的危險。

4) 電動工具的使用與維護

a) **不要超負荷使用電動工具。根據您的用途使用適當的電動工具。**使用適當的電動工具在其設計可負荷的應用內，會讓您更有效、更安全地執行工作。

b) **若開關不能開啓或關閉電源，請勿使用該電動工具。**不能用開關來控制的電動工具將存在危險，必須進行維修。

c) **在執行任何調整、更換配件或儲存工具之前，必須從電源上拔掉插頭及/或卸下電池組。**這類防護性措施可降低電動工具意外啓動的風險。

d) **將閒置的電動工具儲存在兒童無法接觸的地方，並且不要讓不熟悉電動工具或對這些使用指示不瞭解的人員操作電動工具。**電動工具在未經培訓的使用者手中會發生危險。

e) **維護電動工具。檢查活動部件是否對準或卡住、破損情況以及是否存在影響電動工具運行的其他情況。若有損毀，必須在使用之前修理電動工具。**許多事故都是由於欠缺維護電動工具所導致。

f) **保持刀具鋒利和清潔**。妥善維護、切削鋒利的切割工具不會輕易卡住並可更輕鬆控制。

g) **遵循使用指示以及工作條件和所要執行的工作使用電動工具、配件和工具刀頭等**。不按照設計目的使用電動工具會導致危險。

5) 檢修

a) **本電動工具必須由合格的維修人員並只採用相同的原廠零件來執行檢修**。這將確保電動工具的安全性。

針對打磨操作的通用安全警告：

a) **本電動工具適合用作打磨工具。請閱讀本電動工具隨附的所有安全警告、指示、圖示和規格**。不遵循下列的所有指示可能會導致觸電、火災及/或嚴重傷害。

b) **不建議將本電動工具用作砂光機、鋼絲刷等**。將本電動工具用於非指定功能會引發危險並導致人身傷害。

c) **請勿使用非工具製造廠商專門設計及推薦的配件**。就算配件可裝到電動工具上，這並不代表它能確保安全操作。

d) **打磨配件的額定速度必須至少等於電動工具上所標的最大速度**。打磨配件以比其額定速度大的速度運行可能會引發爆裂和飛濺。

e) **配件的外徑與厚度必須在電動工具的額定能力範圍內**。錯誤尺寸的配件無法得到充分控制。

f) **砂輪、砂光圓筒或任何其他配件的軸孔尺寸必須適合於安裝到電動工具的心軸或筒夾上**。與電動工具安裝件不相配的配件將會失衡、過度震動並會引起失控。

g) **裝有心軸的砂輪、砂光圓筒、刀具或其他配件必須完全插入筒夾或夾頭中**。如果心軸固定得不充分及/或砂輪外伸得太長，則安裝的砂輪可能鬆動並在高速下彈出。

h) **請勿使用已損壞的配件。每次使用前，請檢查配件，例如檢查砂輪是否有碎屑和裂縫，檢查砂光圓筒是否有裂縫、撕裂或過度磨損，檢查鋼絲刷是否鬆動或鋼絲是否斷裂。若電動工具或配件跌落，請檢查是否損毀，或立即安裝未破損的配件。檢查並安裝配件後，讓自己和旁觀者遠離配件的旋轉範圍，並讓電動工具以最大的空載速度運行一分鐘**。受損配件一般會在此測試過程中碎裂。

i) **佩戴個人防護裝置。根據適用情況，使用面罩、安全護目鏡或防護眼鏡。適用時，佩戴防塵面具、聽力保護器、手套及能擋細小磨料或工件碎片的工作圍裙**。護目裝備必須能夠擋住各種操作產生的飛屑。防塵面具或口罩必須能夠過濾各種操作所產生的顆粒。長期暴露於高強度噪音中可能會使聽力受損。

j) **讓旁觀者與工作場地保持一定安全距離。任何進入工作場地的人都必須佩戴個人防護裝置**。工件或受損配件的碎片可能會飛出並導致緊靠著操作區域的旁觀者受到傷害。

k) **若在執行操作時切削配件可能會接觸隱藏的電線或它本身的電線，則只能從絕緣手柄表面握住電動工具**。若切削配件接觸到「帶電」導線，電動工具金屬部件表面就會「帶電」，從而導致操作人員觸電。

啓動時務必用手緊握本工具。電動機在加速至全速時所產生的反扭矩會導致工具扭曲。

m) **可行時使用夾具支撐工件。切勿用一只手握住小型工件，用另一只手握住使用中的工具**。夾緊小型工件可讓您更容易用單手或雙手控制工具。定位銷桿、管或管道等圓形材料在切割時易於滾滑，並可能造成鑽頭卡住或傷害到您。

n) **讓電線遠離旋轉的配件**。若控制不當，電線可能會被切斷或纏繞，並可能使您的手或手臂被捲入旋轉配件中。

o) **直到配件完全停止運動才放下電動工具**。旋轉的配件可能會抓住表面並拉動電動工具，讓您失去對工具的控制。

p) **在更換鑽頭或進行任何調整後，確保筒夾螺母、夾頭或任何其他調整裝置皆被牢固擰緊**。鬆動的調整裝置可能發生意外偏移，導致失控，鬆動的旋轉部件將被猛烈地拋出。

q) **攜帶電動工具時不要啓動它**。意外接觸旋轉配件可能會纏繞您的衣服，使配件傷害您的身體。

r) **定期清理電動工具的通風口**。電動機風扇會將灰塵吸進機殼，過多的金屬粉塵沉積可能會導致電氣危險。

s) **請勿在易燃材料附近操作電動工具**。火星可能會點燃這些材料。

t) **切勿使用需要冷卻液的配件**。用水或其他冷卻液可能會導致觸電或觸電致死。

反衝和相關警告

反衝是因卡住或纏繞住的旋轉砂輪、砂圈、鋼絲刷或任何其他配件而產生的突然反作用力。卡住或纏繞會引起旋轉配件迅速失速，隨之使失控的電動工具產生與配件旋轉方向相反的運動。

例如，若砂輪被工件纏繞或卡住，伸入卡住點的砂輪邊緣可能會進入材料表面，從而引起砂輪爬出或反衝。砂輪可能會飛向或飛離操作人員，這取決於砂輪在卡住點的運動方向。在此條件下，砂輪也可能會碎裂。

反衝是由於電動工具使用不當及/或不正確的操作程序或條件而導致。可透過採取下列適當的預防措施而避免。

a) **保持緊握電動工具，調整身體和手臂位置，以應對反衝**。若採取合適的預防措施，操作人員即可以控制反衝力。
b) **在尖角、銳邊等位置作業時要特別小心。避免配件出現彈跳和纏繞**。尖角、銳邊或彈跳可能會纏繞旋轉配件並引起失控或反衝。
c) **切勿附裝帶齒鋸片**。此類鋸片會產生頻繁的反衝和失控。
d) **務必以切割邊緣從材料退出的相同方向將鑽頭深入材料中（與碎片飛散方向相同）**。工具深入方向出錯會導致鑽頭的切割邊緣從工件跳出並沿此深入方向拉動工具。
e) **使用旋轉銼、切割砂輪、高速刀具或碳化鎢割刀時，務必穩固地夾緊工件**。這些砂輪若傾斜於槽中將會抓住表面，並產生反衝。當切割砂輪抓住表面時，砂輪本身通常會碎裂。當旋轉銼、高速刀具或碳化鎢割刀抓住表面時，其可能從槽中跳出，並讓您失去對工具的控制。

針對打磨和砂輪切割操作的安全警告：

a) **請僅使用為電動工具推薦的砂輪類型並僅用於推薦之應用。例如：不要使用切割砂輪的側面進行打磨**。切割砂輪設計用於圓周打磨，施加到砂輪側面的側力可能會使其碎裂。
b) **對於螺紋砂錐和塞子，請僅使用完好砂輪心軸與正確尺寸及長度之未解除的肩部凸緣**。合適心軸會降低破損的可能性。
c) **請勿「夾」住切割砂輪或施加過大的壓力。切勿試圖進行過深的切割**。給砂輪施加過高的應力將增加砂輪在切削時的負載，容易旋轉或纏繞，而且將增加反衝或砂輪爆裂的可能性。
d) **手不要與旋轉砂輪呈一條直線，也不要站在其後**。將在操作點的砂輪從操作人員手邊移開時，可能的反衝可能會使旋轉砂輪和電動工具朝向您推動。
e) **砂輪被卡住或纏繞住或無論因任何原因而中斷切削時，關掉電動工具並握住工具不動，直到砂輪完全停止。切勿試圖在砂輪仍然運行時使切割砂輪脫離切削，否則可能會產生反衝**。檢查並採取矯正措施，以消除砂輪卡住或纏繞住的原因。
f) **請勿在工件上重新啓動切削操作。讓砂輪達到全速後再小心地重新進入切削**。若電動工具在工件中重新啓動，砂輪可能會卡住、爬出或反衝。
g) **支撐住板材或任何超大工件以最大限度地降低砂輪卡住和反衝的風險**。大型工件由於自身重量而有下陷的傾向。必須在工件靠近切線處及砂輪兩側近工件邊緣處放置支撐物。
h) **對現有牆體或其他盲區進行「盲切削」時應格外小心**。伸出的砂輪可能會割到氣管、水管、電線或由此引起反衝的物體。

工具上的標籤

工具上可能會附帶下列符號：


警告！若要降低傷害危險，使用者必須仔細閱讀使用手冊。


請佩戴護目裝備。


請佩戴護耳裝備。.


本工具採用雙重絕緣，因此無需接地線。請務必檢查主電壓是否與銘牌一致。

若電源線損毀，必須讓製造廠商或 Stanley 授權服務中心進行更換以避免發生危險。

日期代碼位置（圖E）
日期代碼（12）也包括製造年月，已經印刷在工具外殼上。
範例： 2012 XX – ZX
製造年份 周數

功能零件

本工具包括以下部份或全部功能零件。

1) 筒夾夾頭
2) 筒夾螺母
3) 軸蓋
4) 通風孔
5) 電纜
6) 切換開關
7) 打磨砂輪
8) 心軸
9) 扳手
10) 前手柄
11) 主手柄

操作說明書

1) **電源**
電動工具電源必須與銘牌資料一致。
2) **安裝砂輪（圖 A）**

⚠ **警告！**僅使用最大安全作業轉速額定值不低於 40m/s 的打磨砂輪。確保打磨砂輪正確安裝並擰緊，在安全位置空載轉速下讓工具運行 30 秒鐘，然後再使用工具。如果偵測

到大幅震動或其他缺陷，請立即停止運行工具。切勿使用損壞的或有裂縫的打磨砂輪。

a) 將扳手 (9) 裝到心軸 (8) 上，並使用其他扳手擰鬆緊固螺母 (2)。
b) 將打磨砂輪 (7) 軸儘量插入筒夾夾頭 (1)。
c) 使用扳手牢固地擰緊筒夾夾頭 (1)。
d) 安裝的砂輪的最大推薦直徑為25㎜。
e) 安裝的砂輪的心軸最大推薦長度為24.5㎜。

3) **開啓和關閉**

⚠ **警告！**確保可以自由地控制開關，並在將插頭插入電源插座前讓其保持關閉。

a) **開**：將開關 (6) 切換至“**I**”。**（圖 D）**
b) **關**：將開關 (6) 切換至“**O**”。**（圖 D）**
c) 讓砂輪達到全速後再打磨。
d) 一旦安全刷發生磨損，刻磨機就會自動關機以避免電動機受損壞。電動機受損壞。
e) 在檢查並安裝配件後，於空載轉速下運行電動工具，然後再開始任何工作。

標準附件

1) 筒夾
2) 兩個扳手 (17mm)

務必檢查附件，因為附件會隨地區和型號而改變。

應用

⚠ **警告！**為降低傷害、觸電和工具損壞的風險，請在開始任何工作前檢查隱藏於工作區域內的公用事業管線（電、天然氣或水供應管線）。

⚠ **警告！**緊握住工具的主要握持部位和側柄，然後再開始。

打磨應用

a) 只有打磨工具在輕壓下可均勻來回運動時，才可取得最佳的打磨效果。
b) 壓力太大會降低工具效能並造成打磨效能更快耗盡。
c) 確保筒夾夾頭頂部與打磨砂輪底部間距小於 8mm，筒夾夾頭頂部與打磨砂輪頂部間距小於 45mm，以防止工具發生震動和意外事故。**（圖 C）**

⚠ **警告！**打磨金屬時會產生火花。請注意，飛濺火花周圍區域不得存放易燃物。

維護

您的工具採用卓越的設計，能夠長時間使用，並且只需最少的維護。若要持續獲得滿意的操作效果，需進行正確的工具維護和定期的清潔。

⚠ **警告！**在執行任何維護工作前，請關閉電源並將工具插頭拔下。

- 定期使用軟刷或幹布清潔工具內的通風槽。
- 定期使用濕布清潔電動機外殼。請勿使用任何研磨性或基於溶劑的清潔劑。

⚠ **重要資訊！**為了確保產品安全及可靠，所有的維修、維護和調整（除了本手冊中列出的之外），都應該由授權的檢修中心或合格檢修人員執行，並始終使用相同的替換部件。

潤滑

Stanley 電動工具在原廠進行過適當的潤滑，可隨即使用。

保護環境

個別收集。本產品必須與一般家庭廢物分開處置。

若您發現您的 Stanley 產品需要進行更換，或您已經不再需要使用這些產品，請不要將它們與家庭廢物一起處置。務必將本產品送往個別收集處。

分類收集用過的產品和包裝允許材料迴圈再生利用。重新使用迴圈利用的材料有助於防止環境污染，並減少原材料的需求。

當地法規可能要求由市政廢物回收點，或由向您出售新產品的經銷商來提供從家庭中個別收集電子產品的服務。

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