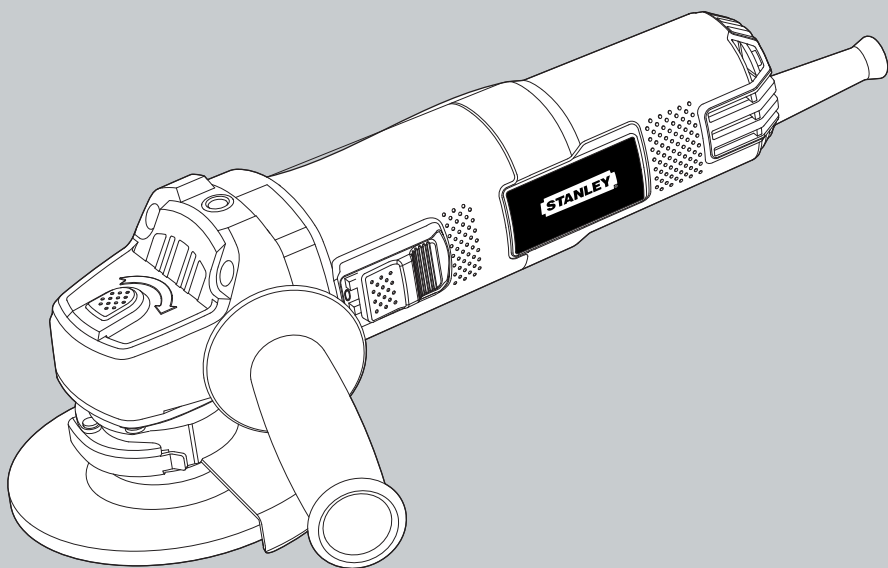


# STANLEY

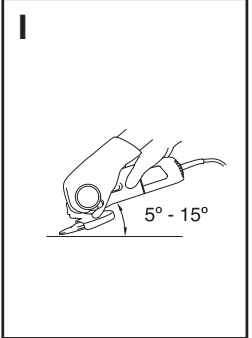
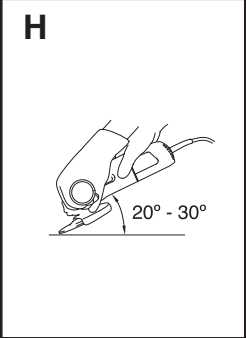
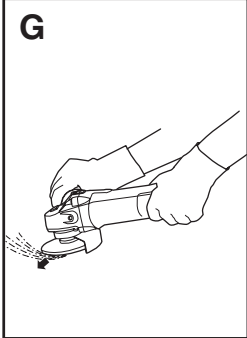
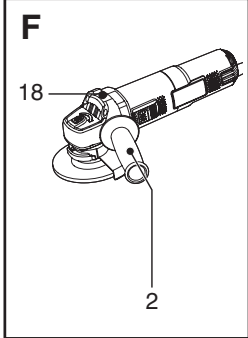
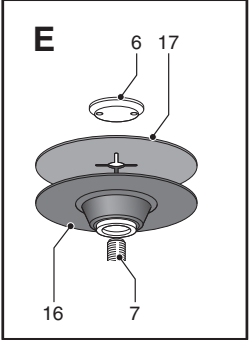
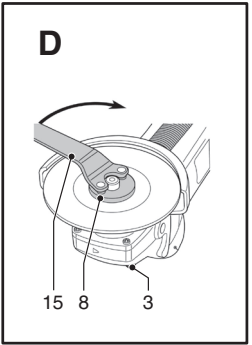
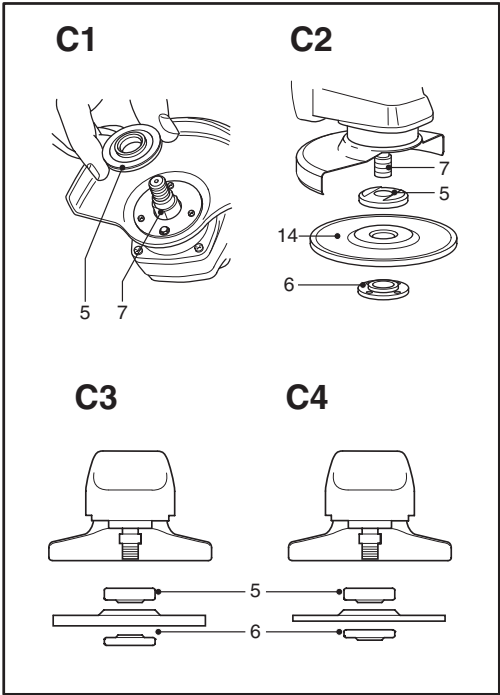
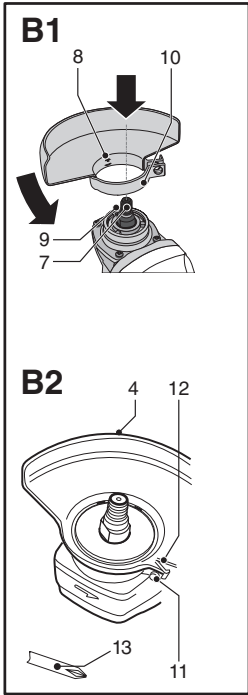
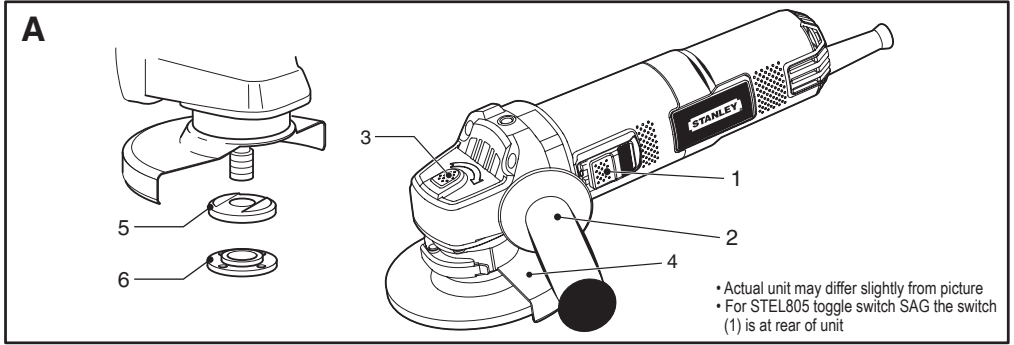
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**STEL815**  
**STEL805**  
**STEL816**

**English**  
**简体中文**

**3**  
**9**



## STEL815/STEL805/STEL816 Angle Grinders

### Technical Data

Angle Grinder		STEL815	STEL805	STEL816
<b>Angle Grinder</b>				
Power Input	W	750	750	750
Rated out power	W	300	300	300
No load speed	rpm	11,000	11,000	11,000
Wheel Diameter	mm	ø100	ø100	ø125
Spindle		M10	M10	M14
Switch Type		Slider	Toggle	Slider
Weight	kg	1.70	1.70	1.87
Cable Length	m	2.0	2.0	2.0

### General Power Tool Safety Warnings



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

#### SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

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

#### 1) WORK AREA SAFETY

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

#### 2) ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- 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.

#### 3) 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 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.

#### 4) 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.

- 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 Instructions For All Operations

### Safety Warnings Common for Grinding Operations:

- a) **This power tool is intended to function as a grinder.** **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) **Operations such as polishing or cutting-off are not recommended to be performed with this power tool.** *Operations for which the power tool was not designed may create a hazard and cause personal injury.*
- c) **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessory can be attached to your power tool, it does not assure safe operation.*
- d) **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** *Accessories running faster than their rated speed can break and fly apart.*
- e) **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*
- f) **The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool.** *Accessories with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*
- g) **Do not use a damaged accessory.** **Before each use inspect the accessory such as abrasive wheel for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires.** **If power tool or accessory is dropped, inspect for damage or install an undamaged accessory.** **After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** *Damaged accessories will normally break apart during this test time.*
- h) **Wear personal protective equipment.** **Depending on application, use face shield, safety goggles or safety glasses.** **As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments.** *The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*
- i) **Keep bystanders a safe distance away from work area.** **Anyone entering the work area must wear personal protective equipment.** *Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.*
- j) **Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and shock the operator.*

NOTE The above warning may be omitted if polishing is the only recommended operation.
- k) **Position the cord clear of the spinning accessory.** *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*
- l) **Never lay the power tool down until the accessory has come to a complete stop.** *The spinning accessory may grab the surface and pull the power tool out of your control.*
- m) **Do not run the power tool while carrying it at your side.** *Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*



- n) **Regularly clean the power tool's air vents.** *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*
- o) **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*
- p) **Do not use accessories that require liquid coolants.** *Using water or other liquid coolants may result in electrocution or shock.*

**NOTE** The above warning does not apply for power tools specifically designed for use with a liquid system.

## Causes and Operator Prevention of Kickback

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

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

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




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

## Safety Warnings Specific for Grinding Operations

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

## Labels on your tool

They may include the following symbols.

V	.....volts
A	.....Amperes
Hz	.....Hertz
W	.....Watts
~	.....Alternating current
n	.....No load speed
	.....Class II Construction
	.....Earthing terminal
	.....Safety alert symbol
.../min	.....Revolutions or reciprocation per minute

## Save these instructions!



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



Always wear safety glasses.



Wear ear protection.

## Double Insulation




The tool is double insulated. Double insulation means that all the external metal parts are electrically insulated from the mains power supply. This is done by placing insulated barriers between the electrical and mechanical components so as to making unnecessary for the tool to be earthed.

**NOTE:** Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

## Electrical Safety

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



**Warning:** Never connect the live (L) or neutral (N) wires to the earth pin marked E or .

## Using an Extension Cable

An extension cable should not be used unless absolutely necessary. Use of an improper extension cable could result in a risk of fire and electric shock. If an extension cable must be used, use only those that are approved by the country's Electrical Authority. Make sure that extension cord is in good condition before using. Always use the cord that is suitable for the power input of your tool (see technical data on name plate). The minimum conductor size is 1.5mm. When using a cable reel, always unwind the cable completely.

## Description (Fig. A)

Your Stanley small angle grinder has been designed for grinding, cutting, wire-cup brushing and sanding applications.

1. On/off switch (toggle version STEL805 switch at rear)
2. Side handle\*
3. Spindle lock
4. Wheel guard
5. Inner flange
6. Outer flange

\* Not all models contain side handle

## Assembly and Adjustment



Prior to assembly and adjustment always unplug the tool.

## Mounting and Removing the Guard (Fig. B)

### Mounting

- ◆ Place the angle grinder on a flat and steady surface, spindle (7) up (fig. B1)
- ◆ Align the 3 lugs (8) with the 3 slots (9) in gearcase cover.
- ◆ Press the guard (4) down and turn it in the direction of the arrow until it is in the working position providing maximum protection to the user (fig. B2)
- ◆ Insert the bolt (11) to the holes on the bracket. Screw the nut (12) on the thread of the bolt. Use crosshead screwdriver (13) (not supply) to tighten the bolt and nut.



Do not operate the grinder with a loose guard.

### Removing

- ◆ Follow the procedure above in reverse order.

## Mounting and Removing Grinding Wheels or Cutting Discs (Fig. C & D)

Your grinder comes with two reversible flanges to accommodate a wide variety of different accessories. Make sure the correct sides of the flanges are being used ensuring no excessive play between the accessory and the flanges.

### Mounting

- ◆ Place the inner flange (5) on the grinder spindle (7) (fig. C1)
- ◆ Place the wheel (14) against the flange. Screw the threaded flange (6) onto the spindle (7). (fig. C2).
- ◆ Make sure that the threaded outer flange (6) is facing in the correct direction for the type of disc fitted. For grinding discs, the flange (6) is fitted with the raised portion facing towards the disc (fig. C3). For cutting discs, the flange (6) is fitted with the inner portion facing away from the disc (fig. C4).
- ◆ Press in the spindle lock button (3) and rotate the spindle until it locks. Keeping the lock button pressed in, tighten the threaded flange (6) with the spanner (15) provided (fig. D)

Release the spindle lock.

### Removing

- ◆ Follow the procedure above in reverse order.

## Fitting a Wire Cup Brush

- ◆ Screw the wire cup brush directly onto the spindle without using the inner and threaded flanges.

## Mounting and Removing the Rubber Backing Pad (Fig. D & E)

The rubber-backing pad is available as an option. The guard is not required when using the tool for sanding with the backing pad.

### Mounting

- ◆ Remove the guard from the tool.
- ◆ Press the backing pad (16) onto the spindle (7). The inner flange is not required (fig. E)
- ◆ Position the abrasive disc (17) on the pad.
- ◆ Screw the threaded flange (6) onto the spindle.
- ◆ Press in the spindle lock button (3) and rotate the spindle until it locks. Keeping the lock button pressed in, tighten the threaded flange (6) with the spanner (15) provided (fig. D)
- ◆ Release the spindle lock.

### Removing

- ◆ Follow the procedure above in reverse order.

## Mounting the Side Handle (Fig. F)

Screw the side handle (2) tightly into one of the three holes (18) on the gear case.

## Instruction for Use

- ◆ Always observe the safety instructions and applicable regulations.
- ◆ Ensure all materials to be ground or cut are secured in place.
- ◆ Apply only a gentle pressure to the tool. Do not exert side pressure on the grinding wheel or cutting disc.
- ◆ Avoid overloading. Should the tool become hot, let it run a few minutes under no load condition.
- ◆ Slide after push

### Prior to Operation

- ◆ Install the appropriate guard and disc or wheel. Do not use excessively worn discs or wheels.
- ◆ Be sure the inner and threaded flanges are mounted correctly.
- ◆ Make sure the disc or wheel rotates in the direction of the arrows on the accessory and the tool.

## Switching On And Off (Fig. A)



Make sure that the switch is in the "OFF" position before plugging in.

- ◆ To run the tool, slide the ON/OFF switch (1) forward to the "ON" position.

- ◆ To stop the tool, slide the switch backwards to the "OFF" position.
- ◆ Always switch off the tool when work is finished and before unplugging.



Do not switch the tool ON and OFF when under load.

## Handy Hints (Fig. G)

- ◆ Hold your angle grinder with one hand on the body and the other hand firmly around the side handle.
- ◆ Always position the guard so that as much of the exposed disc as possible is pointing away from you.
- ◆ Be prepared for a stream of sparks when the disc touches the metal.

## Grinding (Fig. H)

Use a depressed center Type 27 disc. Hold the tool at an angle of approximately 20°-30° to work for grinding.

## Wire Brushing

Use wire brushes to clean welds, metal corners, and angles, and to remove paint.



Use a guard with wire brushes and wheels. Operators and others in the area should wear appropriate eye, face and body protection. Strands of wire may break and fly off when wire wheels and brushes are in use.

## Sanding with Abrasive Discs (Fig. I)

When using an abrasive disc and rubber-backing pad, hold the tool so that an angle of 5° to 15° exists between the disc and the work. Using an angle of 5° to 15° will allow you to produce a smooth surface. If only the outer edge of the sanding disc is pressed flat against the work, the sanding action will be irregular and bumpy and the tool will be difficult to control.

## Edge Grinding and Cutting



Do not use edge grinding/ cutting wheels for surface grinding applications because these wheels are not designed for side pressures encountered with surface grinding. Wheel breakage and injury may result.

Edge grinding and cutting can be performed with type 27 wheels designed and specified for this purpose. Protect yourself during edge grinding and cutting by directing the open side of the guard toward a surface. Edge grinding and cutting wheels should contact the work surface only at the edge of the

wheel, not on the top or bottom of the wheel. Side pressure on the wheel could lead to breakage of the wheel.

## Maintenance

Your Stanley power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning. Your tool is not user-serviceable. Take the tool to an authorized Stanley repair agent. This tool should be serviced at regular intervals or when showing a noticeable change in performance.

## Lubrication

Stanley power tools are properly lubricated at the factory and are ready for use. Tools should be relubricated regularly, depending on usage. This lubrication should only be attempted by trained power tool repair persons, such as those at Stanley service centers or by other qualified service personnel.

## Cleaning



**Warning:** unplug the tool before you use a cloth to clean the housing. With the motor running, blow dirt and dust out of all air vents with dry air at least once a week. Wear safety glasses when performing this. Exterior plastic parts may be cleaned with a damp cloth and mild detergent. Although these parts are highly solvent resistant, NEVER use solvents.

## Tool Care

Avoid overloading the machine. Overloading will result in a considerable reduction in speed and efficiency and the unit will become hot. In this event, run the machine at no load for a minute or two until cooled to normal working temperature by the built in fan. Switching your machine on and off whilst under load will considerably reduce the life of the switch.

## Important

To ensure 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 organizations, always using identical replacement parts. Unit contains no user serviceable parts inside.

## Accessories

The performance of any power tool is dependent upon the accessory used. Stanley accessories are engineered to high quality standards and are designed to enhance the performance of power tool. By using Stanley accessories will ensure that you get the very best from your Stanley tool. Stanley offers a large selection of accessories available at our local dealer or authorized service center at extracost.

**Note:** Accessory must be rated for use at speed equal to or higher than nameplate RPM of tool with which it is being used.



**CAUTION:** The use of any non-recommended accessories may be hazardous.

## Protecting The Environment



Should you find one day that your tool needs replacement, or if it is of no further use to you, think of the protection of the environment. Stanley recommends you to contact your local council for disposal information.

## Service Information

Stanley offers a full network of company-owned and authorized service locations throughout Asia. All Stanley Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the Stanley location nearest to you.

## Notes

- ◆ Stanley's policy is one of continuous improvement to our products and, as such, we reserve the right to change product specifications without prior notice.
- ◆ Standard equipment and accessories may vary by country.
- ◆ Product specifications may differ by country.
- ◆ Complete product range may not be available in all countries. Contact your local Stanley dealers for range availability.
- ◆ Pictures of product may differ to actual unit. Some units do not include side-handle &/or grinding wheel.

# STEL815/STEL805/STEL816 角向磨光机

## 技术参数

角向磨光机	STEL815	STEL805	STEL816	
角向磨光机				
功率输入	瓦	750	750	750
额定输出功率	瓦	300	300	300
额定速度	转/分钟	11,000	11,000	11,000
磨轮直径	毫米	∅ 100	∅ 100	∅ 125
心轴		M10	M10	M14
开关类型		滑动式	摇杆式	滑动式
重量	千克	1.70	1.70	1.87
电源线长度	米	2.0	2.0	2.0

## 一般安全规则



**警告！** 阅读说明。没有按照以下列举的说明而使用或操作将导致触电、着火和/或严重伤害。在所有以下列举的警告中术语“电动工具”指用电驱动（有线）电动工具或电池驱动（无线）电动工具。

### 保存这些说明

#### a) 工作场地

- 1) **保持工作场地清洁和明亮。** 混乱和黑暗的场地会引发事故。
- 2) **不要在易爆环境，如有易燃液体、气体或粉尘的环境下操作电动工具。** 电动工具产生的火花会点燃粉尘或气体。
- 3) **让儿童或旁观者离开后操纵电动工具。** 分心会使你放松控制。

#### b) 电气安全

- 1) **电动工具插头必须与插座相配。不能以任何方式改装插头。** 需接地的电动工具不能使用任何转换插头。未经改装的插头和相配的插座将减少触电危险。
- 2) **避免人体接触接地表面，如管道、散热片和冰箱。** 如果你身体接地会增加触电危险。
- 3) **不得将电动工具暴露在雨中或潮湿环境中。** 水进入电动工具将增加触电危险。
- 4) **不得滥用电线。绝不能用电线搬运、拉动电动工具或拔出其插头。让电动工具远离热、油、锐边或运动部件。** 受损或缠绕的电线会增加触电危险。
- 5) **当在户外使用电动工具时，使用适合户外使用的外接电线。** 适合户外使用的电线将减少触电危险。

#### c) 人身安全

- 1) **保持警觉，当操作电动工具时关注所从事的操作并保持清醒。** 切勿在有疲倦、药物、酒精或治疗反应下操作电动工具。在操作电动工具期间精力分散会导致严重人身伤害。
  - 2) **使用安全装置。始终佩戴护目镜。** 安全装置，诸如适当条件下的防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。
  - 3) **避免突然启动。确保开关在插入插头时处于关断位置。** 手指放在已接通电源开关上或开关处于接通时插入插头可能会导致危险。
  - 4) **在电动工具接通之前，拿掉所有调节钥匙或扳手。** 遗留在电动工具旋转零件上的扳手或钥匙会导致人身伤害。
  - 5) **手不要伸得太长。** 时刻注意脚下和身体平衡。这样在意外情况下能很好地控制电动工具。
  - 6) **着装适当。不要穿宽松衣服或佩带饰品。让你的头发、衣服和袖子远离运动部件。** 宽松衣服、佩饰或长发可能会卷入运动部件。
  - 7) **如果提供了排屑装置、集尘设备连接用的装置，则确保他们连接完好且使用得当。** 使用这些装置可减少碎屑引起的危险。
- d) 电动工具使用和注意事项
- 1) **不要滥用电动工具，根据用途使用适当的电动工具。** 选用适当的设计额定值的电动工具会使你工作有效、更安全。
  - 2) **如果开关不能接通或关断工具电源，则不能使用该电动工具。** 不能用开关来控制的电动工具是危险的且必须进行修理。
  - 3) **在进行任何调节、更换附件或贮存电动工具之前，必须从电源上拔掉插头和/或将电池盒脱离电源。** 这种防护性措施将减少电动工具突然起动的危险。
  - 4) **将闲置电动工具贮存在儿童所及范围之外，并且不要让不熟悉电动工具或对这些说明不了解的人操作电动工具。** 电动工具在未经训练的用户手中是危险的。
  - 5) **保养电动工具。检查运动部件的安装偏差或卡住、零件破损情况和影响电动工具运行的其它条件。** 如有损坏，电动工具必须在使用前修理好。许多事故由维护不良的电动工具引发。
  - 6) **保持切削工具锋利和清洁。** 保养良好的有锋利切削刃的刀具不易卡住而且容易控制。
  - 7) **按照使用说明以及打算使用的电动工具的特殊类型要求的方式，考虑作业条件和进行的作业来使用电动工具、附件和工具的刀头等。** 电动工具用作那些与要求不符的操作可能会导致危险情况。
- e) 维修
- 1) **将你的电动工具送交专业维修人员，必须使用同样的备件进行更换。** 这样确保所维修的电动工具的安全性。

## 所有操作的使用说明书

### 砂磨操作的通用安全警告：

- a) 该电动工具是用于实现砂轮机功能的。阅读随该电动工具提供的所有安全警告、说明、图解和规定。不了解一下所列所有说明将导致电击、着火和/或严重伤害。
- b) 不推荐用该电动工具进行抛光或切割操作。电动工具不按指定的功能去操作，可能会发生危险和引起人身伤害。
- c) 不使用的非工具制造商推荐和专门设计的附件。否则该附件可能被装到你的电动工具上，而它不能保证安全操作。
- d) 附件的额定速度必须至少等于电动工具上标出的最大速度。附件以比其额定速度大的速度运转会发生爆裂和飞溅。
- e) 附件的外径和厚度必须在电动工具额定能力范围之内。不正确的附件尺寸不能得到充分防护或控制。
- f) 砂轮、法兰盘、靠背垫或任何其他附件的轴孔尺寸必须适合于安装到电动工具的主轴上。带轴孔的，与电动工具安装件不配的附件将失稳，过度振动并会引起失控。
- g) 不要使用损坏的附件。在每次使用前要检查附件，例如砂轮是否有碎片和裂缝，靠背垫是否有裂缝、撕裂或过度磨损，钢丝刷是否松动或金属丝是否断裂。如果电动工具或附件跌落了，检查是否有损坏或安装没有损坏的附件。检查和安装附件后，让自己和旁观者的位置远离旋转附件的平面，并以电动工具最大空载速度运行1min，损坏的附件通常在该实验时会碎裂。
- h) 戴上防护用品。根据适用情况，使用面罩、安全护目镜或安全眼镜。适用时，戴上防尘面罩、听力保护器、手套和能挡小磨料或工件碎片的工作围裙。眼防护罩必须挡住各种操作产生的飞屑。防尘面具或口罩必须能过滤操作产生的颗粒。长期暴露在高强度噪声中会引起失聪。
- i) 让旁观者与工作区域保持一安全距离。任何进入工作区域的人必须戴上防护用品。工作或破损附件的碎片可能会飞出并引起紧靠着操作区域的旁观者的伤害。切割附件触及带电导线会使电动工具外露的金属零件带电，并使操作者触电。
- j) 当在切割附件有可能切割到暗线或自身电线的场所进行操作时，只能通过绝缘握持面来握住电动工具。切割附件碰到一根带电导线可能会使电动工具的外露金属零件带电并使操作者发生电击危险。
- k) 使软线远离旋转的附件。如果控制不当，软线可能被切断或缠绕，并使得你的手或手臂可能被卷入旋转附件中。
- l) 直到附件完全停止运动才放下电动工具。旋转的附件可能会抓住表面并拉动电动工具而让你失去对工具的控制。

- m) 当携带电动工具时不要开动它。意外地触及旋转附件可能会缠绕你的衣服而使附件伤害身体。
- n) 经常清理电动工具的通风口。电动风扇会将灰尘吸入机壳，过多的金属粉末沉积会导致电气危险。
- o) 不要在易燃材料附近操作电动工具。火星可能会点燃这些材料。
- p) 不要使用需用冷却液的附件。用水或其他冷却液可能会导致电腐蚀或电击。

## 对所有操作的进一步安全说明

### 反弹和相关警告

反弹是因卡住或缠绕住的旋转砂轮、靠背垫、钢丝刷或其他附件而产生的突然反作用力。卡住或缠绕会引起旋转附件的迅速堵转，随之使失控的电动工具在卡住点产生与附件旋转方向相反的运动。例如，如果砂轮被工作缠绕或卡住，伸入卡住点的砂轮边缘可能会进入材料表面而引起砂轮爬出或反弹。砂轮可能飞向或飞离操作者，这取决于砂轮在卡住点的运动方向。在此条件下的砂轮也可能碎裂。反弹是电动工具误用和/或不正确操作工序或条件的结果，可以通过采取以下给出的适当预防措施得以避免。

- a) 保持紧握电动工具，使你的身体和手臂处于正确状态以抵抗反弹力，如有辅助手柄，则要一直使用，以便最大限度控制住起动时的反弹力或反力矩。如采取合适的预防措施，操作者就可以控制反力矩或反弹力。
- b) 绝不能将手靠近旋转附件。附件可能会反弹碰到手。
- c) 不要站在发生反弹时电动工具可能移动到的地方。反弹将在缠绕点驱使工具逆砂轮运动方向运动。
- d) 当在尖角、锐边等处作业时要特别小心。避免附件的弹跳和缠绕。尖角、锐边和弹跳具有缠绕旋转附件的趋势并引起反弹的失控。
- e) 不要附上锯链、木雕刀片或带齿锯片。这些锯片会产生频繁的反弹和失控。

## 砂磨和切割操作的附加安全说明

### 对磨削和砂磨切割操作的专用安全警告：

- a) 只使用所推荐的砂轮型号和为选用砂轮专门设计的护罩。不是为电动工具设计的砂轮不能充分得到防护，是不安全的。
- b) 护罩必须牢固地装在电动工具上，且放置得最具安全性，只有最小的砂轮部分暴露在操作人面前。护罩帮助保护操作者免于受到爆裂砂轮碎片和偶然触及砂轮的危險。
- c) 砂轮只用作推荐的用途。例如：不要用切割砂轮的侧面进行磨削。施加到砂轮侧面的力可能会使其碎裂。



- d) 始终为所选砂轮选用未损坏的、有恰当规格和形状的砂轮法兰盘。合适的砂轮法兰盘支承砂轮可以减小砂轮破裂的可能性。切割砂轮的法兰盘可以不同于砂轮法兰盘。
- e) 不要使用从大规格电动工具上用剩的磨损砂轮。用于大规格电动工具上的砂轮不适用于较小规格工具的高速工况并可能会爆裂。

## 本工具上的标志

这包含如下符号：

V	.....	伏特
A	.....	安培
Hz	.....	赫兹
W	.....	瓦特
~	.....	交流电
n	.....	额定速度
□	.....	II 级结构
⊕	.....	接地终端
△	.....	安全警告标志
.../min	.....	转或往复次数/分钟

**请妥善保管这些说明！**



**警告！** 为降低伤害风险，使用前务必阅读使用手册。



务必佩戴安全眼镜。



务必佩戴耳罩。

## 双重绝缘

□ 本工具采用双重绝缘。这意味着所有外部金属部件均与主电源绝缘。这是通过电气部件和机械部件之间放置的绝缘体来实现的。如此一来，本工具就无需接地。

**说明：**使用本工具时，双重绝缘并不能取代正常的安全预防措施。该绝缘是为了加强防护、避免工具内绝缘失效可能导致的伤害。

## 电气安全

本工具电动机仅有一种设计电压。请务必检查电源是否与铭牌电压一致。

⚠ **警告：**禁止将火线（L）或零线（N）连接到标识为“E”或⊕的接地极上。

## 使用延长电缆

除非绝对需要，请勿使用延长电缆。使用不合适的延长电缆会导致火灾或触电事故。如果必须使用延长电缆，请使用国家电力部门批准的产品。使用前，请确保延长电缆状况良好。延长电缆务必与工具的功率输入匹配（见铭牌上的技术参数）。最小导体尺寸为1.5毫米。使用电缆卷筒时，应始终完全展开电缆。

## 套装内容（图A）

本小型史丹利角磨机的设计用途是打磨

1. On/off开关（STEL805为摇杆式开关，位于后部）
  2. 侧手柄
  3. 心轴锁
  4. 研磨轮护罩
  5. 内法兰
  6. 外法兰
- \* 并非所有型号均配侧手柄

## 组装与调节

⚠ 组装或调节前，务必拔下工具电源插头。

## 护罩的安装与拆卸（图B）

安装

- 将角磨机放置在平稳的表面上，心轴（7）朝上（图B1）。
- 将研磨轮护罩上的3个凸耳（8）与齿轮箱盖上的3个凹槽（9）对齐。
- 把护耳（4）向下按，朝箭头方向旋转，直至工作位置，能够为使用者提供最大程度的保护（图B2）。
- 将螺栓（11）插入支架上的孔中。把螺母（12）拧到螺栓的螺纹上。使用十字花螺丝刀（13）（未提供）来紧固螺栓螺母。

⚠ 护罩不牢固时，禁止使用工具。

## 拆卸

以相反的顺序执行上述步骤。

## 研磨轮的安装与拆卸（图C及图D）

本工具配有两个可逆法兰，能够适应各种类型的配件。请确保法兰面方向正确，防止配件和法兰之间的运动量过大。

## 安装

- 把内法兰（5）放置到角磨机心轴（7）上（图C1）。
- 使研磨轮（14）紧靠法兰；然后把螺纹法兰（6）拧到心轴（7）上。（图C2）
- 对于所装磨片的类型，请确保螺纹外法兰（6）面的方向是正确的。对于研磨片，法兰（6）的凸起面朝向磨片（图C3）。对于切割轮，法兰（6）内部应背离磨片（图C4）。
- 按下心轴锁按钮（3），旋转心轴直至锁定。保持按下锁定按钮，使用所提供的扳手（15）来紧固螺纹法兰（6）（图D）。
- 释放心轴锁。

## 拆卸

- 以相反的顺序执行上述步骤。

## 橡胶垫的安装与拆卸（图D和E）

橡胶垫是备选件。使用橡胶垫进行打磨时，不需要护罩。

## 安装

- 从工具上取下护罩。
- 把衬垫（16）按到心轴（7）上。不需要内法兰（图E）。
- 把研磨片（17）定位到衬垫上。
- 把螺纹法兰（6）拧到心轴上。
- 按下心轴锁按钮（3），旋转心轴直至锁定。保持按下锁定按钮，使用所提供的扳手（15）来紧固螺纹法兰（6）（图D）。
- 释放心轴锁。

## 拆卸

- 以相反的顺序执行上述步骤。

## 安装侧把手柄（图F）

- 把侧手柄（2）牢固地拧到齿轮箱上的三个孔（18）中的任意一个内。

## 使用须知

- 请务必遵守安全规程和相关法规。
- 确保所有待打磨或切割的材料均牢固固定。
- 仅对工具温和用力。切勿对研磨轮施侧向力。
- 避免过载。如果工具变热，使其空转几分钟。
- 加力后应滑动。

## 操作前准备工作

- 安装合适的护罩和磨片或磨轮。请勿使用过度磨损的磨片或磨轮。
- 请确保内法兰和螺纹法兰安装正确。
- 确保磨片或磨轮的旋转方向与配件和工具上的箭头方向一致。

## 启动与停止（图A）

插入电源插头之前，请确保开关处于“0”位置。

- 要启动工具，将ON/OFF开关（1）向前滑动到“1”位置即可。
- 要使工具停止，将开关向后滑动到“0”位置即可。
- 完成工作后，拔下电源插头之前，切记关闭工具开关。

工具负载时，请勿使用开关启动（1）或停止（0）工具。

## 使用技巧（图G）

- 用一只手借助身体握住角磨机，另一只手紧握侧手柄。
- 始终将护罩保持到位，这样可以使暴露的磨片尽可能不对准自己。
- 当磨片接触金属的瞬间，提防一连串火花的爆发。

## 打磨（图H）

使用盘形27型磨片。打磨时，使工具与工作成大约20°至30°的夹角。

## 使用研磨片进行打磨（图I）

使用研磨片和橡胶垫时，使工具与工作成5°至15°夹角。5°至15°夹角可以产生光滑表面。如果仅仅是砂轮片的外缘被平按到工件上，打磨的结果是不规则、不平整的表面，并且工具将难于控制。

## 使用技巧（图G）

⚠ 请勿将磨边/切割轮用于表面打磨，因为这些轮片设计部承受表面打磨时的侧向力。否则，可能导致轮片破裂与人身伤害。

磨边与切割可以采用经专门设计的27型轮片进行。磨边与切割作业过程中，请把护罩的开口侧对着某一表面，以保护自身。仅允许磨边与切割轮片的边缘与工件表面接触，而非非轮片的顶部或底部。对轮片施加侧向力会导致轮片破裂。

## 维护

您的史丹利电动工具设计精良，可以长期使用，仅需极少维护。要连续获得令人满意的工作效果，需要您做合适的保养和定期的清洁。您的工具不可由用户进行维修。请将工具交给授权的史丹利修理机构。此工具应定期维修，或当其显示出明显的性能改变时进行维修。

## 润滑

史丹利电动工具出厂前，已进行正确润滑，可供随时使用。应根据事情情况，定期重新润滑工具。仅允许经过培训的电动工具维修人员进行润滑工作，例如史丹利服务中心人员或它有资质的维修人员。

## 清洁

⚠ **警告：**在使用抹布清洁工具外壳之前，请拔下工具电源插头。在马达运行的情况下，使用干燥的空气吹掉所有通风口中的灰尘和碎屑，应至少每周一次。进行此项工作时，需佩戴安全眼镜。可以使用潮湿的抹布和温和的洗涤剂来清洗外部塑料部件。虽然这些部件具有很好的耐溶剂型，但禁止使用溶剂。



## 工具保养

避免工具过载。过载会大大减低速度和效率，并且系统会发热。出现这一情况时，让工具空载运行一至二分钟，直至内置风扇将温度降至正常工作范围。在工具负载的情况下用开关启动或关闭电动工具，将大大缩短开关的使用寿命。

## 重要提示

为了确保本产品的安全性和可靠性，工具的维修、维护和调整（本手册列出的调整除外）应由授权服务中心或其它合格机构进行，请始终使用相同的备件。工具内不含任何用户可以维修的零件。

## 配件

所有电动工具的性能均取决于所使用的配件。史丹利配件依据高质量标准设计，能够强化电动工具的性能。使用史丹利配件，可以确保您的史丹利工具可以发挥其最出色的性能。我们的当地零售商或授权服务中心可以提供种类繁多的配件，其费用须另行支付。

## 推荐的工具附件（砂轮）的直径

推荐使用附件：

STEL815,STEL805推荐使用100mm砂轮片。

STEL816推荐使用125mm砂轮片。

**说明：**配件的额定转速应大于等于配套工具的额定转速。

**△ 注意：**使用任何非推荐配件可能发生危险。

## 保护环境



一旦您发现工具需要更换，或工具不能再使用，请考虑到保护环境。史丹利建议您向本地的管委会咨询处置方法。

## 服务信息

史丹利为您提供我们在全亚洲公司所有的和公司授权的维修点网络。所有的史丹利维修中心均配备训练有素的人员，可为客户提供高效可靠的电动工具维修。无论您需要的是技术建议、修理还是原厂备件，均可联系最近的史丹利维修点为您服务

## 说明

- 史丹利的政策之一就是产品的持续改进，因此，我们保留改变产品规格的权利，恕不另行通知。
- 供应各国的标准设备与配件不尽相同。
- 供应各国的产品规格不尽相同。
- 并非所有国家均有全系列的产品。请向当地的史丹利网点咨询可用的型号。
- 产品图片与实物可能存在差异。某些型号不含侧手柄和/或磨轮。

