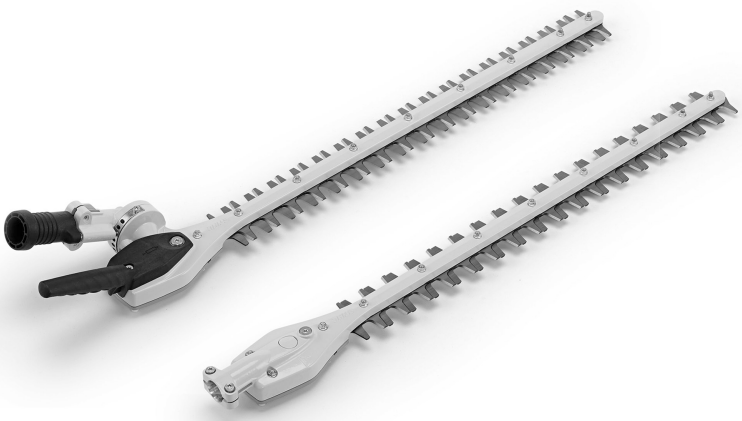
HL

STIHL



2 - 20 Instruction Manual

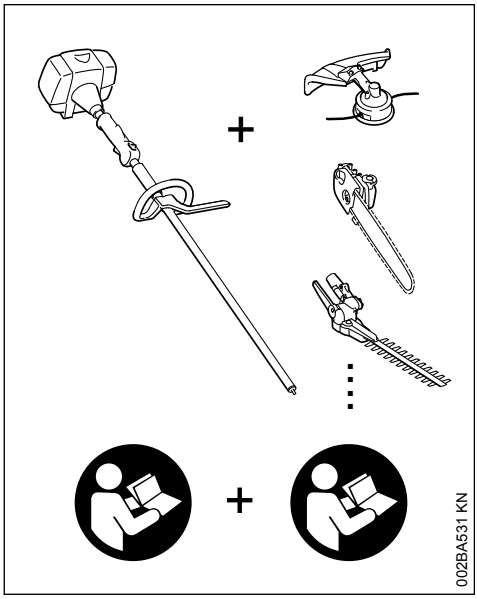




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1 Interchangeable Attachments



The STIHL interchangeable attachment may be mounted to different STIHL power tools.

This includes KombiAttachmentEngines in some markets. In these markets the KombiAttachmentEngines and interchangeable attachments are part of the KombiAttachmentSystem.

The approved power tool models are listed in the chapter on "Approved Basic Power Tools".

In this instruction manual the functional unit formed by the basic power tool **and** interchangeable attachment is referred to as the power tool.

Therefore, the separate instruction manuals for the basic power tool and attachment should be used together for the power tool.

Always read and and make sure you understand **both** instruction manuals before using your power tool for the first time and keep them in a safe place for future reference.

2 Guide to Using this Manual

2.1 Pictograms

All the pictograms attached to the machine are shown and explained in this manual.

2.2 Symbols in text

WARNING

Warning where there is a risk of an accident or personal injury or serious damage to property.

NOTICE

Caution where there is a risk of damaging the machine or its individual components.

2.3 Engineering improvements

STIHL's philosophy is to continually improve all of its products. For this reason we may modify the design, engineering and appearance of our products periodically.

Therefore, some changes, modifications and improvements may not be covered in this manual.

3 Safety Precautions and Working Techniques

Because a long-reach hedge trimmer is a high-speed, fast-cutting power tool with very sharp cutting blades and a long reach, special safety precautions must be observed during operation.

Original Instruction Manual
0000007438_007_GB

Printed on chlorine-free paper
Printing inks contain vegetable oils, paper can be recycled.

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0458-401-0121-E. VA0.G22.



Always read and and make sure you understand both instruction manuals (basic power tool and attachment) before using your power tool for the first time and keep them in a safe place for future reference. Non-compliance with the user manuals may cause serious or even fatal injury.

Lend or rent your power tool only to persons who are familiar with this model and its operation – do not lend of rent your power tool without the instruction manuals of the basic power tool and attachment.

Use your hedge trimmer only for cutting hedges, shrubs, bushes, scrub and similar materials.

The machine must not be used for any other purposes – **risk of accidents!**

Only use cutting blades and accessories that are explicitly approved for this power tool by STIHL or are technically identical. If you have any questions in this respect, consult your dealer.

Use only high-quality parts and accessories. This avoids the risk of accidents and damage to the machine.

STIHL recommends the use of genuine STIHL tools, cutting attachments and accessories. They are specifically designed to match the product and meet your performance requirements.

Never attempt to modify your power tool in any way since this may increase the risk of personal injury. STIHL excludes all liability for personal injury and damage to property caused while using unauthorized attachments.

Do not use a high-pressure washer to clean the power tool. The solid jet of water may damage parts of the unit.

3.1 Clothing and equipment

Wear proper protective clothing and equipment.



Clothing must be robust but allow complete freedom of movement. Wear close-fitting clothes such as a boiler suit, not a loose jacket.

Do not wear clothing which could become trapped in wood, brush or moving parts of the machine. Do not wear a scarf, necktie or jewelry. Tie up and confine long hair above your shoulders.



Wear safety boots with steel toe caps and non-slip soles.

WARNING



To reduce the risk of eye injuries, wear close-fitting safety glasses in accordance with European Standard EN 166. Make sure the safety glasses are a snug fit.

Wear "personal" sound protection, e.g. ear defenders.

Wear a safety hard hat where there is a danger of head injuries from falling objects.



Wear sturdy protective gloves made of a resistant material (e. g. leather).

STIHL can supply a comprehensive range of personal protective equipment.

3.2 Transporting the machine

Always stop the engine.

Always fit the blade guard (scabbard) – even when carrying the unit short distances.

For machines with adjustable cutter bar: Engage the cutter bar.

For machines with a defined transport position: Bring the cutter bar in transport position and have it engaged.

Carry the power tool properly balanced by the shaft – cutting blades behind you.

Avoid touching hot parts of the machine and gear housing – **risk of burns!**

By vehicle: When transporting in a vehicle, properly secure your machine to prevent tipping over, damage and fuel spillage.

3.3 Before starting

Check that your power tool is properly assembled and in good condition – refer to appropriate chapters in the instruction manuals of the basic power tool and attachment.

– Cutting blades: Correctly assembled, securely mounted and in good condition (clean, move freely, not warped), properly sharpened and sprayed thoroughly with STIHL resin solvent (lubricant).
– For machines with adjustable cutter bar: The adjustment mechanism must be snapped into the start position
– For machines with a defined transport position (cutter bar folded against the shaft): Never start the machine in the transport position

– Never attempt to modify the controls or safety devices.
– Keep the handles dry and clean – free from oil and dirt – this is important for safe control of the machine
– Adjust carrying harness and handles in accordance with body height. Observe the chapter "Fitting the Harness"

To reduce the risk of personal injury, do not operate your power tool if it is damaged or not properly assembled!

To prepare for emergencies when using a harness: Practice setting down the machine quickly. To avoid damage, do not throw the machine to the ground when practicing.

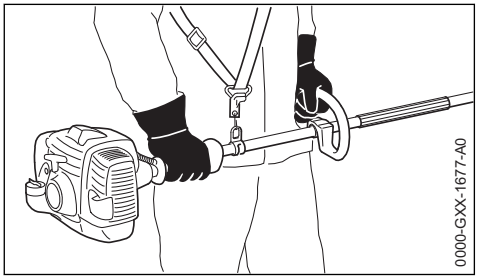
3.4 Holding and guiding the machine

Always hold the unit firmly with both hands on the handles.

Make sure you always have a secure footing and hold the machine so that the cutting blades are always facing away from your body.

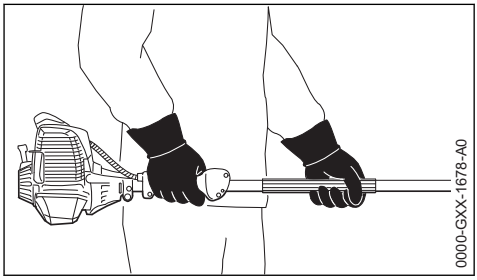
Some versions of the machine can be carried on a harness to relieve the weight on the operator's arms.

3.4.1 Models with Loop Handle



Right hand on control handle, left hand on loop handle on the shaft, even if you are left-handed. Wrap your fingers and thumbs around the handles.

3.4.2 Machines with handle hose



Right hand on control handle, left hand on handle hose on the shaft, even if you are left-handed. Wrap your fingers and thumbs around the handles.

3.5 While working

In the event of impending danger or in an emergency, switch off the engine immediately by moving the slide control / stop switch/button to **0** or **STOP**.



This power tool is not insulated. Keep away from power cables – **danger of electrocution!**



To reduce the risk of injury from moving blades or falling cuttings, do not allow bystanders within 5 meters of your own position.

This distance must also be maintained in relation to objects (vehicles, window panes) – **risk of property damage!**

Check for correct idling, so that the cutting blades stop moving when the throttle trigger is released. Check and correct the idle speed setting at regular intervals. If the cutting blades still run, have your dealer check your machine and make proper adjustments or repairs – see instruction manual of basic power tool.

Watch the cutting blades at all times – do not cut areas of the hedge that you cannot see.

Be extremely careful when cutting tall hedges; check the other side of the hedge before starting work.



The gearbox becomes hot during operation. **To reduce the risk of burn injury**, do not touch the gear housing**!**

Take special care in **slippery conditions** – damp, snow, ice, on slopes or uneven ground!

Clear away fallen branches, scrub and cuttings from the work area.

Watch out for obstacles such as tree stumps, roots – **risk of tripping or stumbling!**

Make sure you always have a firm and secure footing.

3.5.1 When working at heights:

– Always use a lift bucket
– Never use the machine while standing on a ladder or in a tree
– never work on an unstable surface
– Never use the machine with just one hand

Be particularly alert and cautious when wearing hearing protection because your ability to hear warnings (shouts, alarms, etc.) is restricted.

Take breaks when you start getting tired or feeling fatigue – **risk of accidents!**

Work calmly and carefully – in daylight conditions and only when visibility is good. Proceed with caution, do not put others in danger.

Inspect the hedge and work area to avoid damaging the cutting blades:
– Remove stones, rocks, pieces of metal and other solid objects
– When working close to the ground, make sure that no sand, grit or stones get between the cutting blades
– Take particular care when cutting hedges next to or against wire fences

Do not touch electric power lines – never cut through electric power lines – **risk of electrocution!**



Do not touch the cutting blades.while the engine is running. If the cutting blades become jammed by an object, switch off the engine immediately before attempting to remove the object – **risk of injury!**

Opening the throttle when the cutting blades are jammed increases the load and reduces the working speed of the engine. The clutch then slips continuously and this can cause overheating and damage to important components (e.g. clutch, plastic housing components) – as a result, there is a **risk of injury** from the idling cutting blades!

If your power tool is subjected to unusually high loads for which it was not designed (e.g. heavy impact or a fall), always check that it is in good condition before continuing work – see also "Before Starting". Make sure the safety devices are working properly. Never use a power tool that is no longer safe to operate. In case of doubt, contact a dealer.

If the hedge is very dusty or dirty, spray the blades with STIHL resin solvent from time to time during cutting. This helps reduce blade friction as well as the aggressive effects of sap and the build-up of dirt particles.

Examine the cutting blade periodically at short intervals and as soon as you notice any changes:
– Shut off the engine
– Wait for cutting blades to come to a standstill
– Check condition and secure fitting; watch out for cracks
– Ensure that the cutting blades are sharp

3.6 After finishing work

After finishing work or before leaving the power tool unattended: Shut off the engine.

Always clean dust and dirt off the machine – do not use any grease solvents for this purpose.

Spray the cutting blades with STIHL resin solvent. Run the motor briefly so that the solvent is evenly distributed.

3.7 Maintenance and Repairs

Service the machine regularly. Do not attempt any maintenance or repair work not described in the instruction manuals of the basic power tool and attachment. Have all other work performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the power tool. If you have any questions in this respect, consult a servicing dealer.

STIHL recommends the use of genuine STIHL replacement parts. They are specifically designed to match your model and meet your performance requirements.

To reduce the risk of injury,**always shut off the engine** before carrying out any maintenance or repairs or cleaning the machine.

4 Using the Unit

4.1 Cutting Season

Observe country-specific or municipal rules and regulations for cutting hedges.

Do not use your hedge trimmer during rest periods customary in the neighborhood.

4.2 Cutting Sequence

If a radical cut is necessary, cut a little at a time in several stages.

Use lopping shears to cut out thick branches first.

Cut the sides of the hedge first, then the top.

4.3 Disposal

Do not throw cuttings into the garbage can – they can be composted.

4.4 Preparations

- ► Adjustable gearbox: Set cutter bar to required angle.
- ► Remove the blade scabbard.
- ► Start the engine.
- ► If you use a harness: Put on the harness and attach it to the machine.

4.5 Working Techniques

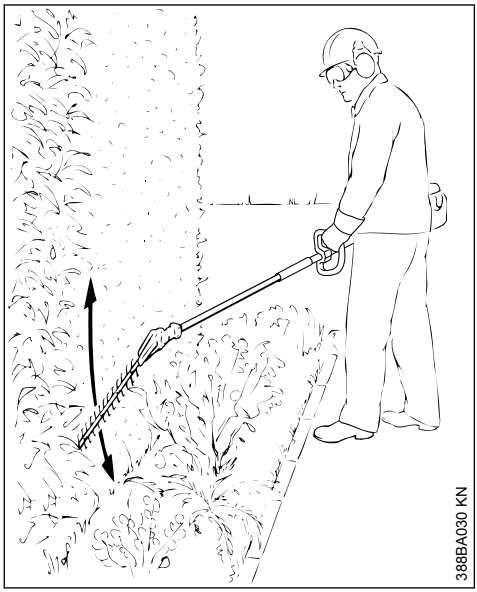
4.5.1 Horizontal Cut (with cutter bar at an angle)



Cutting close to the ground from a standing position, e.g. low shrubs.

Swing the cutter bar up and down as you move along the hedge – use both sides of the cutting blades, do not rest the cutter bar on the ground.

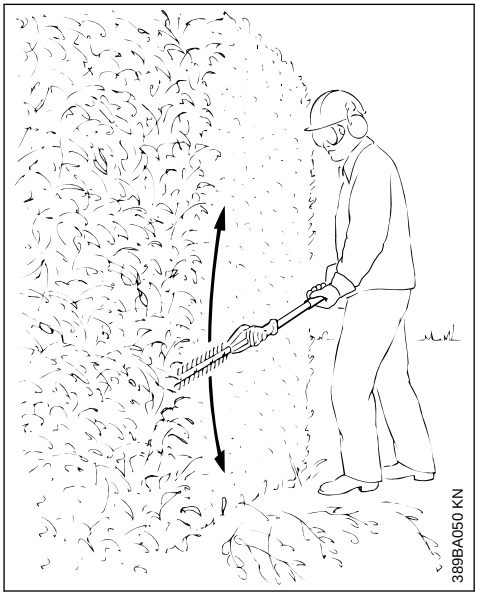
4.5.2 Vertical Cut (with cutter bar at an angle)



Cutting without standing directly next to the hedge, e.g. flowerbed between operator and hedge.

Swing the cutter bar up and down in an arc as you move along the hedge – use both sides of the cutting blades.

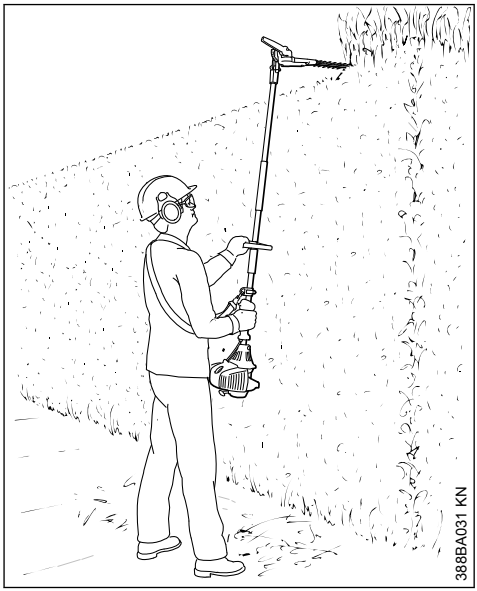
4.5.3 Vertical Cut (with straight cutter bar)



Extra long reach without the need for other aids.

Swing the cutter bar up and down in an arc as you move along the hedge – use both sides of the cutting blades.

4.5.4 Overhead Cut (with cutter bar at an angle)

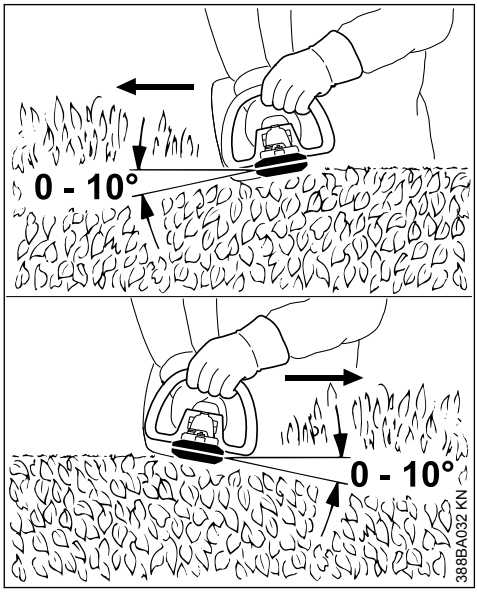


Hold the hedge trimmer vertically and swing it in an arc to make maximum use of its reach.

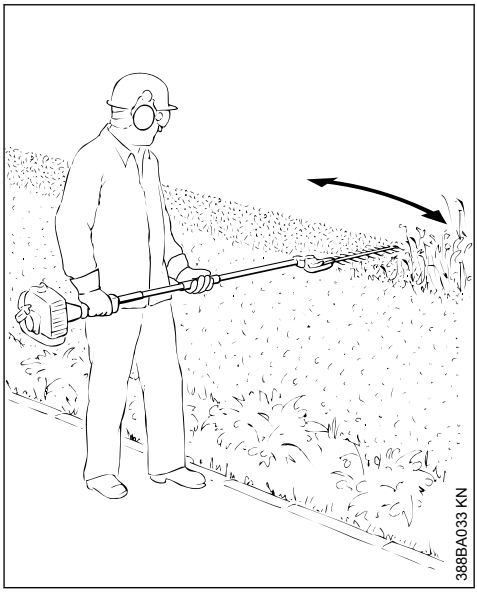
WARNING

Any working position above head height is tiring. To minimize the risk of accidents, work in such positions for short periods only. Set angle of adjustable cutter bar to maximum so that the unit can be held in a lower, less tiring position (with shoulder strap) while still providing adequate reach.

4.5.5 Horizontal Cut (with straight cutter bar)



Hold the cutter bar at an angle of 0° to 10° as you swing the hedge trimmer horizontally.



Swing the cutter bar in an arc towards the outside of the hedge so that the cuttings are swept to the ground.

Recommendation: Only cut hedges that are no more than chest height.

5 Approved Basic Power Tools

WARNING

Operation of this interchangeable attachment is permitted only with the following basic power tools:

5.1 All models

Models with a short drive tube (K versions) must not be used for ground-level cutting.

The HL-0° is not approved for ground-level cutting.

WARNING

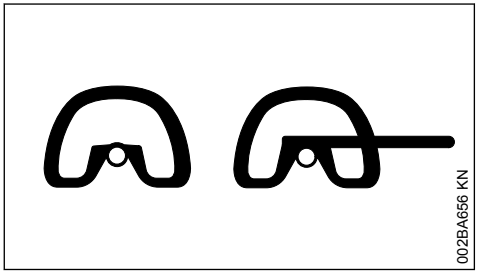
Other combinations with basic power tools not listed here are not permitted since **they may result in accidents or serious personal injury**.

5.2 Models with bike handle

The HL-0° attachment is not approved for use on bike-handled machines.

HL-145° 500 mm, 600 mm
– STIHL FS 91, FS 111, FS 131

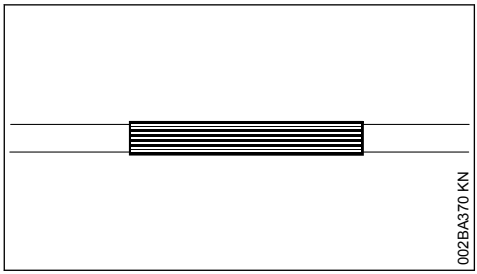
5.3 Models with loop handle



HL-0° 500 mm
– STIHL KA 85 R
– STIHL FS 91 R, FS 111 R, FS 131 R
– STIHL HL 92, HL 94

HL-145° 500 mm, 600 mm
– STIHL KA 85 R
– STIHL FS 91 R, FS 111 R, FS 131 R
– STIHL HL 92, HL 94

5.4 Machines with handle hose, without bike handle or loop handle



HL-0° 500 mm
– STIHL HL 92 K
– STIHL HT 102, HT 132

HL-145° 500 mm, 600 mm
– STIHL HT 102, HT 132
– STIHL HL 92 K. The HL-145° version in combination with basic power tools with a handle hose is not approved for ground-level cutting.

6 Mounting the Attachment

6.1 Preparations for Mounting the Attachment

WARNING

To reduce the risk of injury, always shut off the engine before converting the basic power tool.

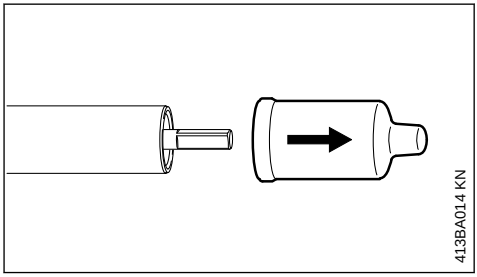
NOTICE

Make sure the work area is clean before mounting or removing the attachment.

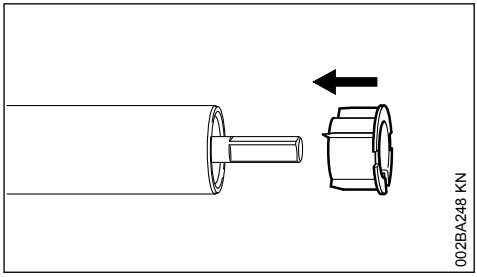
► Rest the power tool on the machine support.

6.1.1 Removing the Protective Cap

If a cap is fitted on the end of the power tool's drive tube:



► Pull the protective cap off the end of the drive tube and keep it in a safe place.

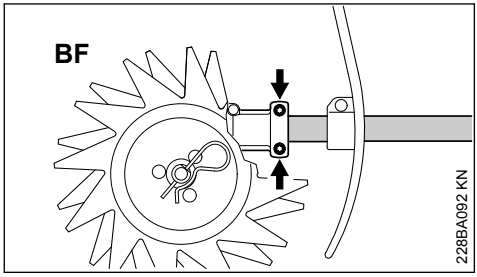


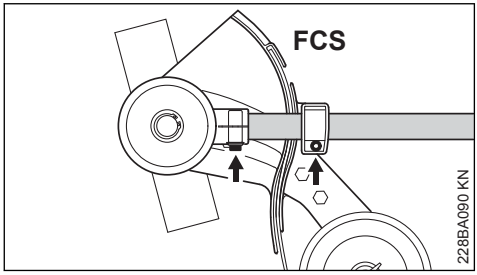
If the plug comes out of the drive tube when you pull off the cap:

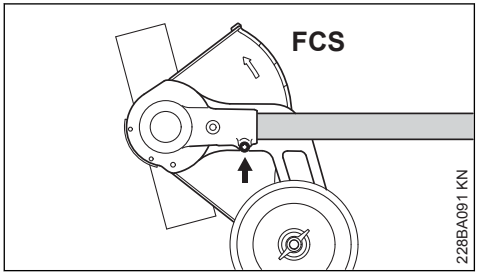
► Push the plug into the drive tube as far as stop.

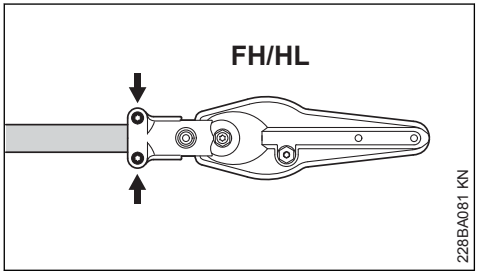
6.1.2 Removing the gearbox or attachment

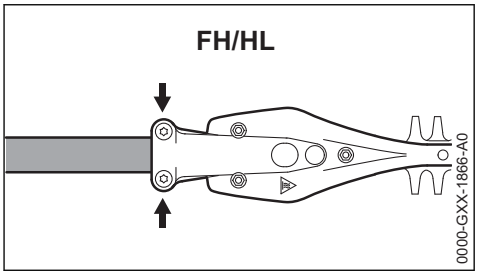
Remove any existing gearbox or interchangeable attachment from the basic power tool.

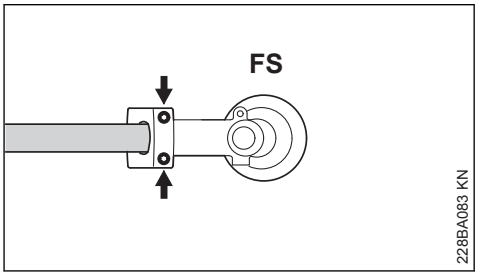


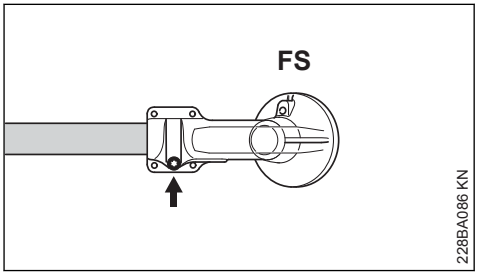


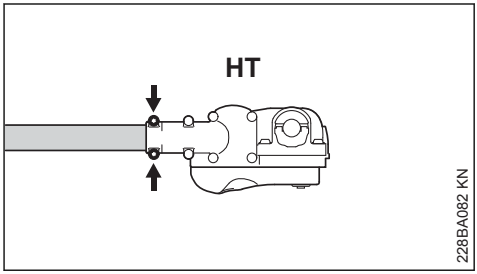


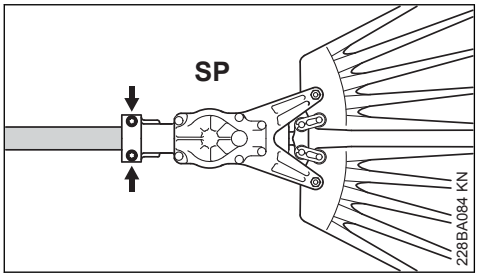


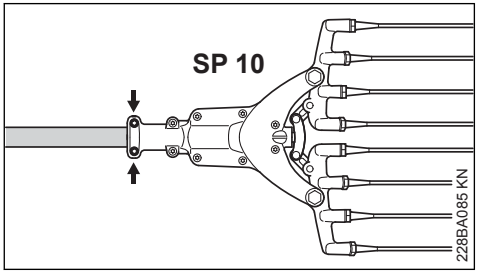








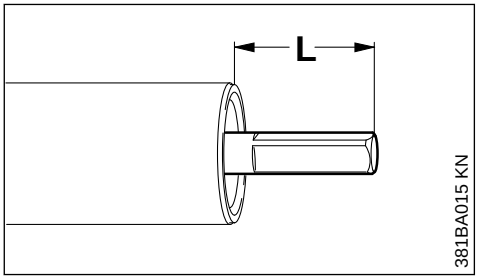




- Loosen the clamp screws (arrows) on the gearbox housing – do not remove them.
- Pull the gearbox off the drive tube.

If the drive shaft slips out of the tube when you pull off the gearbox:

- Push the drive shaft into the tube.

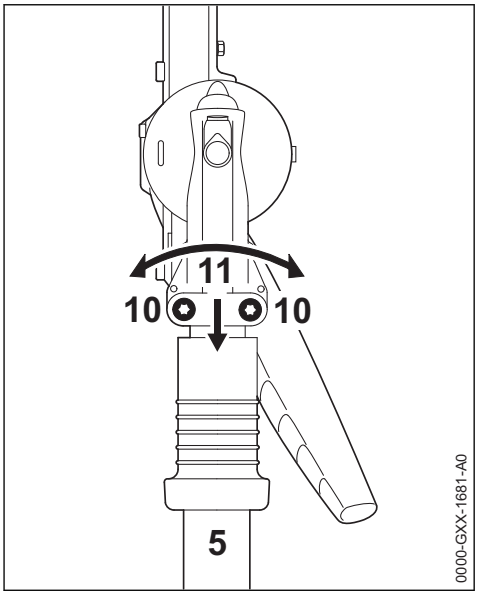


The drive shaft must not project from the tube more than L = 22 mm (7/8 in).

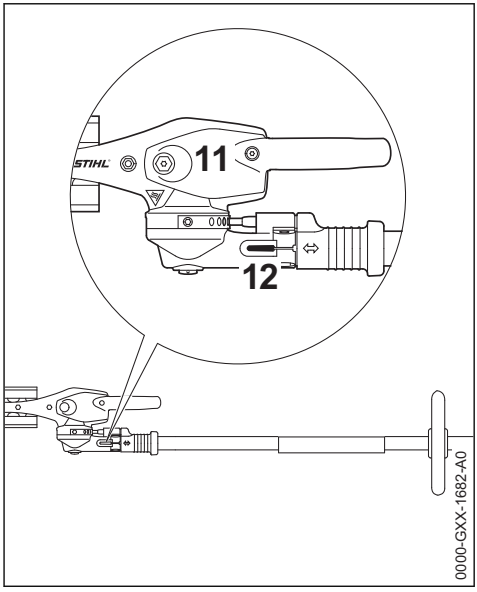
If dimension (L) is not correct:

- Apply slight pressure to the drive shaft and rotate it slowly at the same time until it can be pushed in to the specified length.

6.2 Mounting the Gearbox



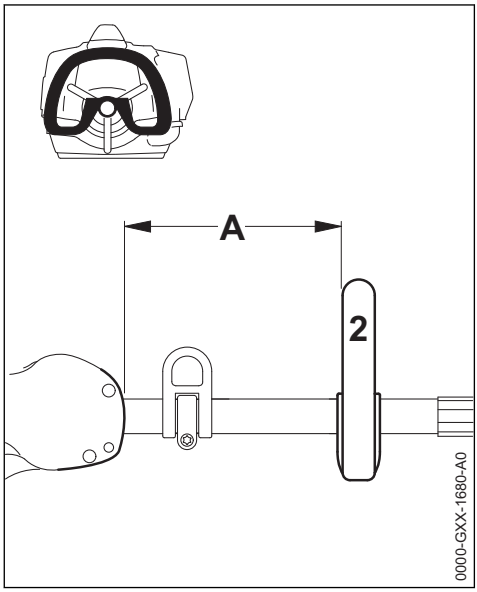
- Loosen the clamp screws (10).
- Push the gearbox (11) onto the drive tube (5), turn the gearbox (11) back and forth as necessary.



Once the end of the drive tube is inserted beyond the slot in the clamp (12):

- Push the gearbox (11) fully home as far as stop.
- Tighten down the clamp screws moderately.
- Line up the gearbox (11) with the powerhead.
- Tighten down the clamp screws firmly.

6.3 Models with Loop Handle



- Loosen the screws on the loop handle.
- Align the loop handle (2) and move it to the most comfortable position.

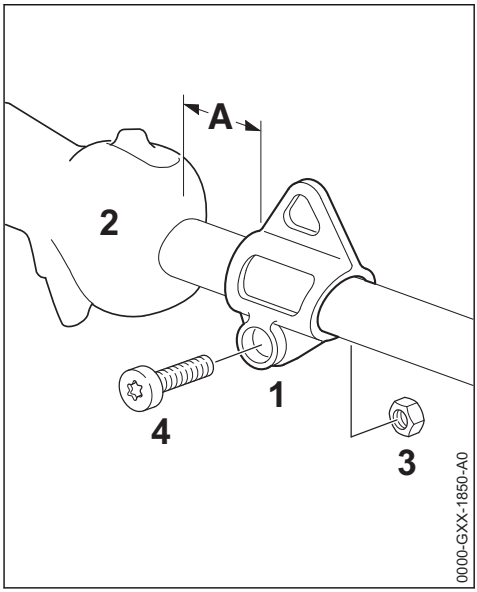
Distance A must not be more than A = 20 cm.

- Tighten down the screws on the loop handle.

6.4 Fitting the Carrying Ring

A carrying ring is necessary if the power tool is to be used with a shoulder strap/harness. Not all versions of basic power tools are equipped with a carrying ring.

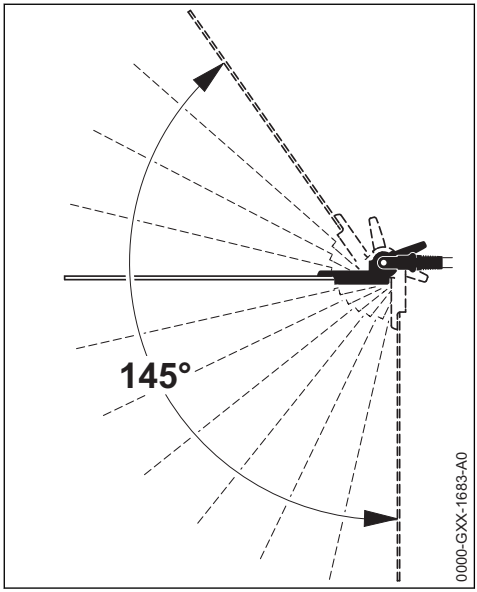
The carrying ring is available as a special accessory and is mounted as described below.



- Mount the carrying ring (1) about 5 cm (A) forward of the control handle (2).
- Push the carrying ring (1) over the drive tube.
- Insert the M5 nut (3) in the hex recess in the carrying ring.
- Fit the M5x14 screw (4).
- Line up the carrying ring.
- Tighten down the screw firmly.

7 Adjusting the Cutter Bar

7.1 Angle Adjuster - 145°



The angle of th cutter bar can be adjusted upwards in 4 stages from 0° (straight) to 55°, and downwards in 7 stages from 0° to 90° (right angle facing down). There are therefore 12 possible working positions.

WARNING

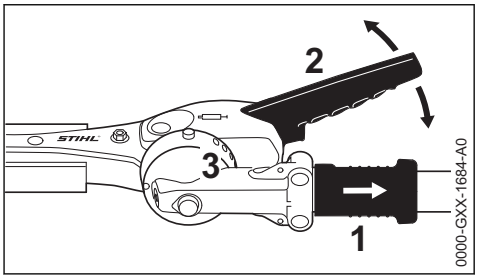
To reduce the risk of injury, carry out the adjustment only when the cutting blades are at a standstill – engine at idle speed.

WARNING

The gearbox gets hot during operation. **To reduce the risk of burn injury**, do not touch the gearbox.

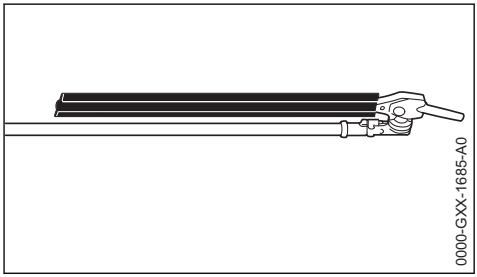
WARNING

To reduce the risk of injury, never touch the blades while making adjustments.



- Pull back the sliding sleeve (1) and use the lever (2) to adjust the joint by one or several holes.
- Release the sliding sleeve (1) and make sure the lock pin engages the quadrant (3).

7.2 Transport Position



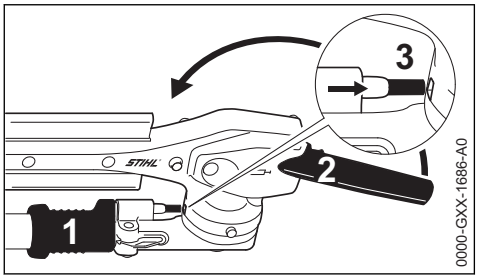
The cutter bar can be folded flat against the drive tube and locked in position to save space during transportation.

WARNING

To reduce the risk of injury, always shut off the engine – depress stop switch – and fit the blade scabbard before moving the cutter bar to the transport position or from the transport position to the normal working position.

WARNING

The gearbox gets hot during operation. **To reduce the risk of burn injury**, do not touch the gearbox.

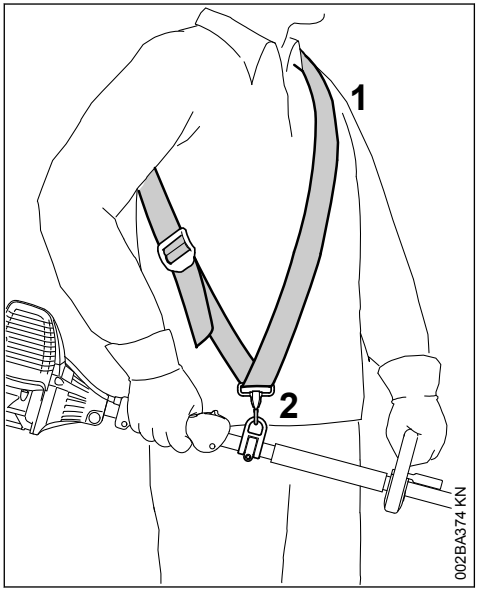


- Shut off the engine.
- Fit the blade scabbard.
- Pull back the sliding sleeve (1) and use the lever (2) to swing the joint upwards – in direction of drive tube – until the cutter bar is flat against the drive tube.
- Release the sliding sleeve (1) and make sure the lock pin engages the quadrant (3).

8 Fitting the Harness

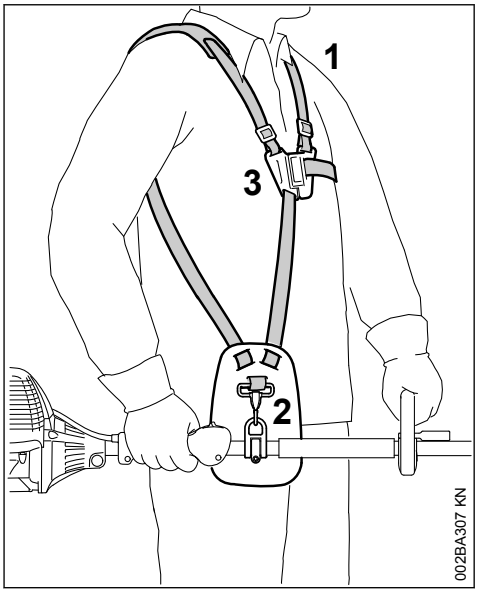
The type and style of the harness and carabiner (spring hook) depend on the market.

8.1 Shoulder Strap



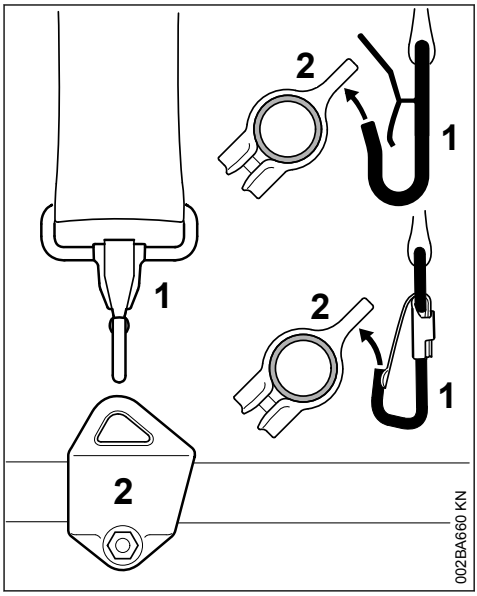
- Put on the shoulder strap (1).
- Adjust the length of the strap so that the carabiner (2) is about a hand's width below your right hip.

8.2 Full Harness



- Put on the full harness (1).
- Adjust the length of the strap so that the carabiner (2) is about a hand's width below your right hip.
- Close the locking plate (3).

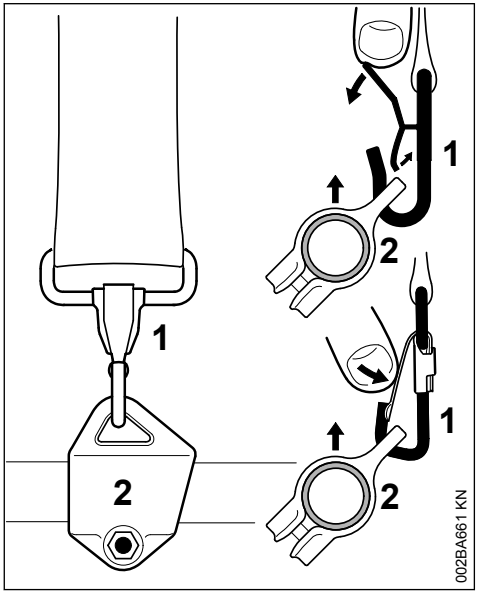
8.3 Attaching Machine to Harness



The type and style of the harness and carabiner (spring hook) depend on the market.

- Attach the carabiner (1) to the carrying ring (2) on the drive tube.

8.4 Disconnecting Machine from Harness



- Press down the bar on the carabiner (1) and pull the carrying ring (2) out of the carabiner.

8.5 Throwing Off the Machine

WARNING

The machine must be quickly thrown off in the event of imminent danger. Practice removing and putting down the machine as you would in an emergency. To avoid damage, do not throw the unit to the ground when practicing.

Practice quickly detaching the power tool from the carabiner as described under "Disconnecting Machine from Harness".

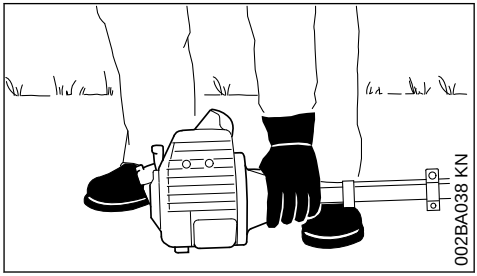
If you are using a shoulder strap: Practice slipping the strap off your shoulder.

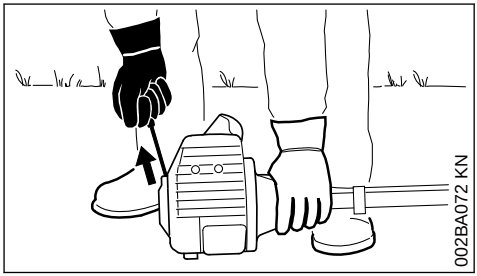
If you are using a full harness: Practice quickly opening the locking plate and slipping the harness straps off your shoulders.

9 Starting / Stopping the Engine

9.1 Starting the Engine

Always follow the starting procedure described in the basic power tool instruction manual.





- Position the unit securely for starting: It must rest on the machine support and the blade gearbox.
- On units with adjustable cutter bar: Set the cutter bar to the straight (0°) position.

- Remove the blade scabbard. Check that the cutting blades are not touching the ground or any other obstacles. If necessary, rest the gearbox on a raised support (e.g. mound, brick or something similar).
- Make sure you have a safe and secure footing.
- Hold the unit **firmly** on the ground with your left hand and press down – do not touch the throttle trigger or trigger interlock.

NOTICE

Do not stand or kneel on the drive tube.

WARNING

The cutting attachment may begin to move as soon as the engine starts. For this reason, blip the throttle after starting – the engine returns to idling speed.

Now follow the starting procedure described in the basic power tool instruction manual.

9.2 Stopping the Engine

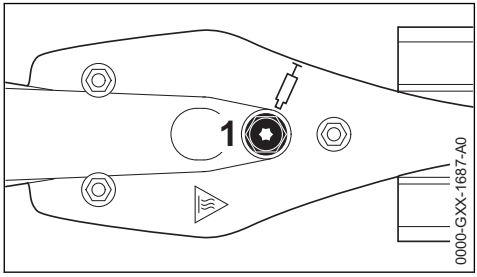
- See basic power tool instruction manual.

10 Lubricating the Gearbox

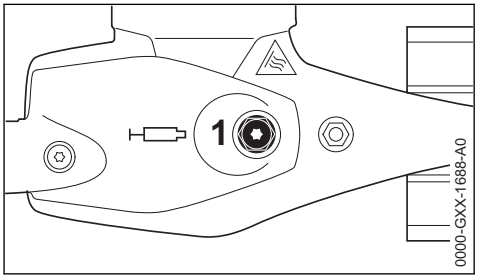
10.1 Blade Drive Gear

Lubricate the blade drive gear with STIHL gear lubricant for hedge trimmers – see "Special Accessories".

10.1.1 HL 0° version



10.1.2 Adjustable HL 145° version



- Check the lubricant level at regular intervals of about every 25 hours of operation. Unscrew the filler plug (1) – if no grease can be seen on the inside of the filler plug, screw the tube of grease into the filler hole.
- Squeeze up to 10 g (2/5 oz) grease into the gearbox.

NOTICE

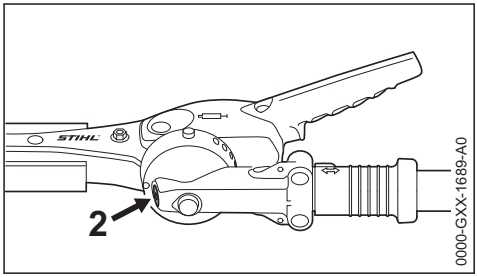
Do not completely fill the gearbox with grease.

- Unscrew the tube of grease from the filler hole.
- Refit the filler plug and tighten it down firmly.

10.2 Angle Drive Gear

Lubricate the angle drive gear with STIHL gear lubricant for hedge trimmers (special accessory).

10.2.1 Adjustable HL 145° version



- Check the lubricant level at regular intervals of about every 25 hours of operation. Unscrew the filler plug (2) – if no grease can be seen on the inside of the filler plug, screw the tube of grease into the filler hole.
- Squeeze up to 5 g (1/5 oz) grease into the gearbox.

NOTICE

Do not completely fill the gearbox with grease.

- ► Unscrew the tube of grease from the filler hole.
- ► Refit the filler plug and tighten it down firmly.

11 Storing the Machine

For periods of 30 days or longer

- ► Clean the cutting blades, check condition and spray them with STIHL resin solvent.
- ► Fit the blade scabbard.
- ► Store the machine in a dry, high or locked location – out of the reach of children and other unauthorized persons.

12 Maintenance and Care

The following intervals apply to normal operating conditions only. If your daily working time is longer or operating conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.

All accessible screws and nuts

- ► Check and retighten if necessary (not screws and nuts on cutting blades)

Cutting blades

- ► Visual inspection before starting work
- ► Resharpen as necessary
- ► Replace if damaged

Gearbox lubrication

- ► Check before starting work
- ► Replenish as necessary

Safety labels

- ► Replace illegible safety labels

13 Sharpening Instructions

When cutting performance and behavior begin to deteriorate, i.e. blades frequently snag on branches: Resharpen the cutting blades.

It is best to have the cutting blades resharpened by a dealer on a workshop sharpener. STIHL recommends a STIHL servicing dealer.

NOTICE

Do not operate your machine with dull or damaged cutting blades. This may cause overload and will give unsatisfactory cutting results.

14 Minimize Wear and Avoid Damage

Observing the instructions in this manual and the basic power tool manual helps reduce the risk of unnecessary wear and damage to the power tool.

The power tool must be operated, maintained and stored with the due care and attention described in these instruction manuals.

The user is responsible for all damage caused by non-observance of the safety precautions, operating and maintenance instructions. This includes in particular:

- – Alterations or modifications to the product not approved by STIHL.
- – Using tools or accessories which are neither approved or suitable for the product or are of a poor quality.
- – Using the product for purposes for which it was not designed.
- – Using the product for sports or competitive events.
- – Consequential damage caused by continuing to use the product with defective components.

14.1 Maintenance Work

All the operations described in the chapter on "Maintenance and Care" must be performed on a regular basis. If these maintenance operations cannot be performed by the owner, they should be performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

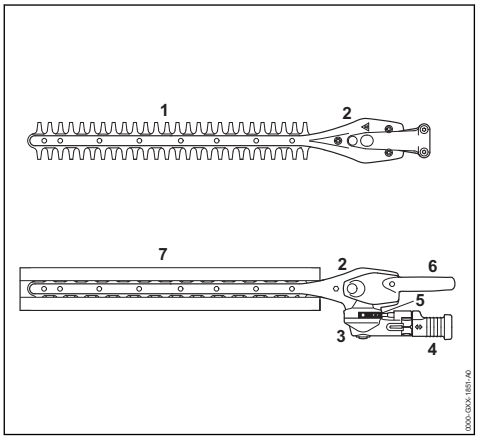
If these maintenance operations are not carried out as specified, the user assumes responsibility for any damage that may occur. Among other parts, this includes:

- – Corrosion and other consequential damage resulting from improper storage.
- – Damage to the product resulting from the use of poor quality replacement parts.

14.2 Parts Subject to Wear and Tear

Some parts of the power tool (e.g. cutting blades) are subject to normal wear and tear even during regular operation in accordance with instructions and, depending on the type and duration of use, have to be replaced in good time.

15 Main Parts



1 Cutting blades
2 Blade drive gear
3 Angle drive
4 Sliding sleeve
5 Quadrant
6 Adjusting lever
7 Blade guard (scabbard)

16 Specifications

16.1 Cutting Blades

Type:	Double-edged for bidirectional cutting
Cutting length:	500 mm, 600 mm
Tooth spacing:	34 mm
Tooth height:	22 mm
Sharpening angle:	45° to horizontal

16.2 Weight

HL 0° 500 mm:	1.4 kg
HL 145° 500 mm:	1.8 kg
HL 145° 600 mm:	1.9 kg

16.3 Noise and Vibration Data

Noise and vibration data measurements on power tools with the HL attachment include idling and rated maximum speed in a ratio of 1:4.

For further details on compliance with Vibration Directive 2002/44/EC visit www.stihl.com/vib.

16.3.1 Sound pressure level L_p to ISO 28868

HL 0° 500 mm

KA 85 R:	95 dB(A)
FS 91 R:	91 dB(A)
FS 111 R:	91 dB(A)
FS 131 R:	95 dB(A)
HT 102:	91 dB(A)
HT 132:	95 dB(A)
HL 92:	92 dB(A)
HL 92 K:	91 dB(A)
HL 94:	91 dB(A)

HL 145° 500 mm, 600 mm

KA 85 R:	95 dB(A)
FS 91:	96 dB(A)
FS 91 R:	91 dB(A)
FS 111:	96 dB(A)
FS 111 R:	91 dB(A)
FS 131:	100 dB(A)
FS 131 R:	95 dB(A)
HT 102:	91 dB(A)
HT 132:	95 dB(A)
HL 92:	92 dB(A)
HL 92 K:	91 dB(A)
HL 94:	91 dB(A)

16.3.2 Sound power level L_w to ISO 22868

HL 0° 500 mm

KA 85 R:	109 dB(A)
FS 91 R:	106 dB(A)
FS 111 R:	106 dB(A)
FS 131 R	110 dB(A)
HT 102:	106 dB(A)
HT 132:	110 dB(A)
HL 92:	108 dB(A)
HL 92 K:	107 dB(A)
HL 94:	107 dB(A)

HL 145° 500 mm, 600 mm

KA 85 R:	109 dB(A)
FS 91:	106 dB(A)
FS 91 R:	106 dB(A)
FS 111 R:	106 dB(A)
FS 131	110 dB(A)
FS 131 R	110 dB(A)
HT 102:	106 dB(A)
HT 132:	110 dB(A)
HL 92:	108 dB(A)
HL 92 K:	107 dB(A)
HL 94:	107 dB(A)

16.3.3 Vibration measurement $a_{hv,eq}$ to ISO 22867

HL 0° 500 mm:	Loop Handle	Control handle
KA 85 R:	5.8 m/s²	6.1 m/s²
FS 91 R:	6.3 m/s²	5.0 m/s²
FS 111 R:	6.3 m/s²	5.0 m/s²
FS 131 R:	8.0 m/s²	6.6 m/s²
HL 92:	6.1 m/s²	5.4 m/s²
HL 94:	6.1 m/s²	5.4 m/s²

HL 0° 500 mm:	Handle hose	Control handle
HT 102:	3.8 m/s²	4.9 m/s²
HT 132:	6.1 m/s²	7.1 m/s²
HL 92:	4.1 m/s²	4.5 m/s²
HL 92 K:	5.8 m/s²	6.3 m/s²
HL 94:	6.1 m/s²	5.4 m/s²

HL 145° 500 mm, 600 mm	Loop handle	Control handle
KA 85 R:	5.5 m/s²	4.4 m/s²
FS 91:	4.7 m/s²	3.8 m/s²
FS 91 R:	3.7 m/s²	3.7 m/s²
FS 111:	4.7 m/s²	3.8 m/s²
FS 111 R:	3.7 m/s²	3.7 m/s²
FS 131:	4.1 m/s²	4.3 m/s²
FS 131 R:	5.7 m/s²	5.9 m/s²
HL 92:	6.1 m/s²	5.4 m/s²
HL 94:	6.5 m/s²	5.4 m/s²

HL 145° 500 mm, 600 mm	Handle hose	Control handle
HT 102:	3.9 m/s²	4.4 m/s²
HT 132:	5.6 m/s²	6.4 m/s²
HL 92 K:	5.8 m/s²	6.3 m/s²

The K-factor in accordance with Directive 2006/42/EC is 2.0 dB(A) for the sound pressure level and sound power level; the K-factor in accordance with Directive 2006/42/EC is 2.0 m/s² for the vibration level.

16.4 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorization and Restriction of Chemical substances.

For information on compliance with the REACH regulation (EC) No. 1907/2006 see

www.stihl.com/reach

17 Maintenance and Repairs

Users of this machine may only carry out the maintenance and service work described in this user manual. All other repairs must be carried out by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

When repairing the machine, only use replacement parts which have been approved by STIHL for this power tool or are technically identical. Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine.

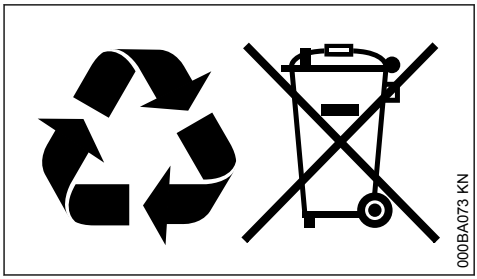
STIHL recommends the use of original STIHL replacement parts.

Original STIHL parts can be identified by the STIHL part number, the STIHL® logo and the STIHL parts symbol (the symbol may appear alone on small parts).

18 Disposal

Contact the local authorities or your STIHL servicing dealer for information on disposal.

Improper disposal can be harmful to health and pollute the environment.



- ► Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- ► Do not dispose with domestic waste.

19 EC Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declare under our sole responsibility that

Designation:	Hedge trimmer attachment
Make:	STIHL
Series:	HL

Serial identification number:	4243

conforms to the relevant provisions of Directives 2006/42/EC and 2000/14/EC and has been developed and manufactured in compliance with the following standards in the versions valid on the date of production:

EN ISO 12100, EN ISO 10517 (in conjunction with the specified FS, HL and HT models).

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG
Produktzulassung

The year of manufacture is specified on the power tool.

Waiblingen, 15.07.2021

ANDREAS STIHL AG & Co. KG

pp



Dr. Jürgen Hoffmann

Director Product Certification & Regulatory Affairs

CE

20 UKCA Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declare under our sole responsibility that

Designation:	Hedge trimmer attachment
Make:	STIHL
Series:	HL
Serial identification number:	4243

conforms to the relevant provisions of the UK regulations Supply of Machinery (Safety) Regulations 2008 and Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 and has been manufactured in compliance with the following standards in the versions valid on the date of production:

EN ISO 12100, EN ISO 10517 (in conjunction with the specified FS, HL and HT models).

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG

The year of manufacture is indicated on the power tool.

Waiblingen, 15.07.2021

ANDREAS STIHL AG & Co. KG

pp



Dr. Jürgen Hoffmann

Director Product Certification & Regulatory Affairs

UK CA



0458-401-0121-E

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