

Tool Specifications

Sheet Metal Shears	GSC 2.8
Order number	0 601 506 1..
Rated input power	500 W
Output power	270 W
No-load stroke rate	2 400/min
Full-load stroke rate	1 500/min
Cutting thicknesses:	
Steel sheet (400 N/mm ²)	2.8 mm max.
Aluminium sheet (250 N/mm ²)	3.5 mm max.
INOX sheet (800 N/mm ²)	1.8 mm max.
Smallest curve radius	20 mm
Weight (without accessories)	2.5 kg
Protection class	□ / II



For your Safety



Working safely with this machine is possible only when the operating and safety information are read completely and the instructions contained therein are strictly followed. In addition, the general safety instructions in the enclosed booklet must be followed. Before using for the first time, ask for a practical demonstration.



If the cable is damaged or cut through while working, do not touch the cable but immediately pull the mains plug. Never use the machine with a damaged cable.



Wear protective gloves and sturdy shoes.



Wear hearing protection.
Wear safety glasses.

- Put the plug into the mains socket only when the machine is switched off.
- Always direct the cable to the rear away from the machine.
- Clamp the work-piece if it cannot be secured by its own weight.
- When cutting, never place the hand in front of the cutters.
- Keep the cutter free of material cuttings.
- Always switch off the machine and allow to come to a stop before putting down.
- Bosch can assure flawless functioning of the machine only when original accessories are used.

Operating Controls

GB

- 1 Cutting table
- 2 Ventilation slots
- 3 On/Off switch
- 4 Auxiliary grip
- 5 Adjustment screw, upper cutter
- 6 Upper cutter
- 7 Attachment screw (upper cutter)
- 8 Lower cutter
- 9 Adjustment screw, lower cutter
- 10 Attachment screw (lower cutter)
- 11 Gauge

Not all of the accessories illustrated or described are included as standard delivery.

Noise/Vibration Information

Measured values determined according to EN 50 144.

Typically the A-weighted sound pressure level of the tool is 80 dB (A).

The noise level when working can exceed 85 dB (A).

Wear ear protection!

The typical hand-arm vibration is below 3,0 m/s².

Mounting the Auxiliary Grip

Screw out the hex-head bolt on the auxiliary grip 4 until it fits into the grip base on the head of the machine.

Slide the auxiliary grip 4 into the grip base and tighten by turning to the right (Fig. **A**).

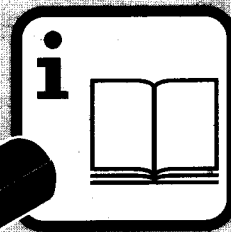
Initial Operation

Observe the mains voltage! The power supply voltage must match the information quoted on the tool identification plate. Tools with a rating of 230 V can also be connected to a 220 V supply.

Switching On/Off

Switching on: Slide the on/off switch 3 forward

Switching off: Slide the on/off switch 3 to the rear



GSC 2,8

D	4... 6
GB	7... 9
F	10... 12
E	13... 15
P	16... 18
I	19... 21
NL	22... 24
DK	25... 27
S	28... 30
N	31... 33
FIN	34... 36
GR	37... 39
TR	40... 42



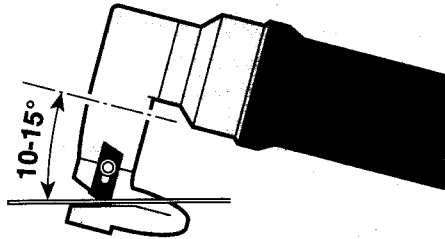
BOSCH

Operating instructions

- Apply the machine to the sheet metal only when switched on.

Guide the machine inclined to the rear with an angle of 10° to 15° to the surface of the sheet metal.

Do not tilt the machine to the side.



Do not load the machine so heavily that it comes to a standstill.

Cutting of curves: Do not tilt the machine and work only with a low feed rate.

Before starting to cut, lightly oil the cutting line on the sheet metal.

Sharp cutters result in good cutting performance and protect the machine.


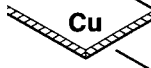
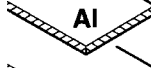

- Never cut with blunt cutters.

The upper cutter 6 provided with the machine is usable on both ends.

Replace or sharpen the cutters as required.

A high feed rate significantly decreases the performance capability of the machine and reduces the service life of the cutters.

Cutting different types of sheet metal

Material		max. thickness of sheet metal
 Fe	400 N/mm ²	max. 2,8 mm
 Cu	200 N/mm ²	max. 3,5 mm
 Al	250 N/mm ²	max. 3,5 mm
 V2A	800 N/mm ²	max. 1,8 mm

- Before all work on the machine itself, pull the mains plug.

Lower Cutter (Fig. B)

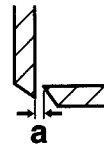
Unscrew the adjustment screw 9 completely. Insert the lower cutter 8 in the cut-out in the cutting table 1 and tighten with the screw 10.

Upper Cutter

Insert the upper cutter into the stroke mechanism and tighten with the screw 7.

Adjusting the Cutters (Fig. B)

- Before all work on the machine itself, pull the mains plug.



Cutter Clearance a

The cutter clearance a (air gap between the cutters) depends on the thickness of the material to be cut.

Cutter Clearance a	Metal Thickness
0.3 mm	0.2 - 1.4 mm
0.5 mm	1.5 - 2.8 mm

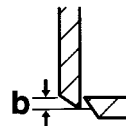
- For softer or more ductile materials, the clearance a must be decreased; for harder or more brittle materials, increased.

Loosen the screw 10 and adjust the lower cutter 8 to the required clearance a with the adjustment screw 9. Check the clearance with the adjustment gauge. Retighten the screw 10.

Cutter Clearance b

The stroke mechanism of the upper cutter must be at the upper dead centre point. To achieve this, switch the machine on briefly and off again. If the stroke mechanism does not stop at the upper dead centre point, repeat the process.

Screw in the adjustment screw 5 with a pin.



Loosen the screw 7. Adjust the cutter 6 so that the vertical clearance b between the upper and lower cutters is 0.4 mm.

Tighten the screw 7.

Then turn the adjustment screw 5 with a pin until it is in contact with the cutter.

- For softer or more ductile materials, the clearance b must be decreased; for harder or more brittle materials, increased.

Sharpening the cutters

With the adjustment gauge 11, the cutter clearances a and b as well as the cutting angle of the cutters can be checked (Fig. C).

When sharpening the cutters, take care that cutting angles (grinding angles) are maintained.

Cleaning

- Always remove dirt before cleaning the machine.

For safe machine

Sharpen the cutters to time with an angle

If, despite careful use, the machine requires repair, it should only be repaired by a qualified electrician for BOSCH electrical tools.

For all correspondence, please refer to the following ways include the model number.

WARNING

Important instructions: Always connect the pin plug to the mains.

The wires in the mains lead are marked as follows:

strain relief
live = brown
neutral = blue

Do not connect the terminal of the plug to the neutral wire. Destroy the old plug if it is misused.

Accessories

The Bosch accessories are of high quality.

Cutter set (replacement cutters) with adjustment/sharpening key SW 5.



These instructions are manufactured in Germany.

The plastic cover is made of recycled material.