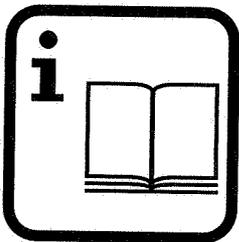
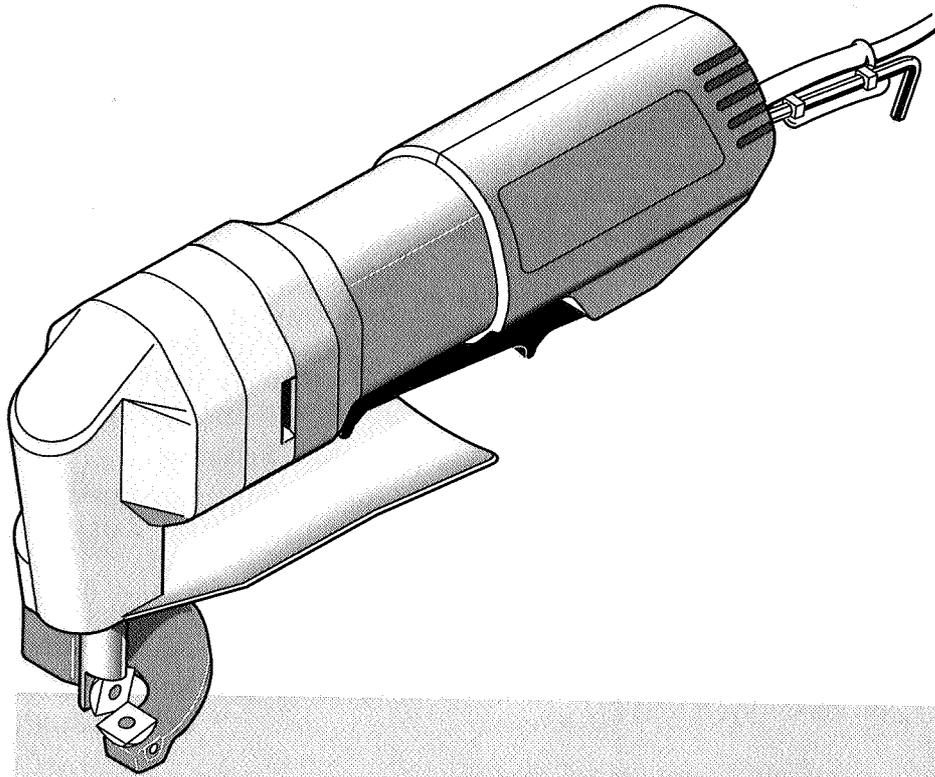
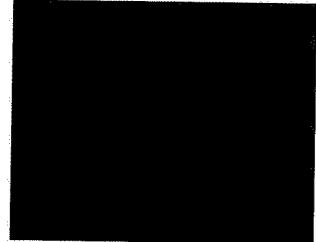
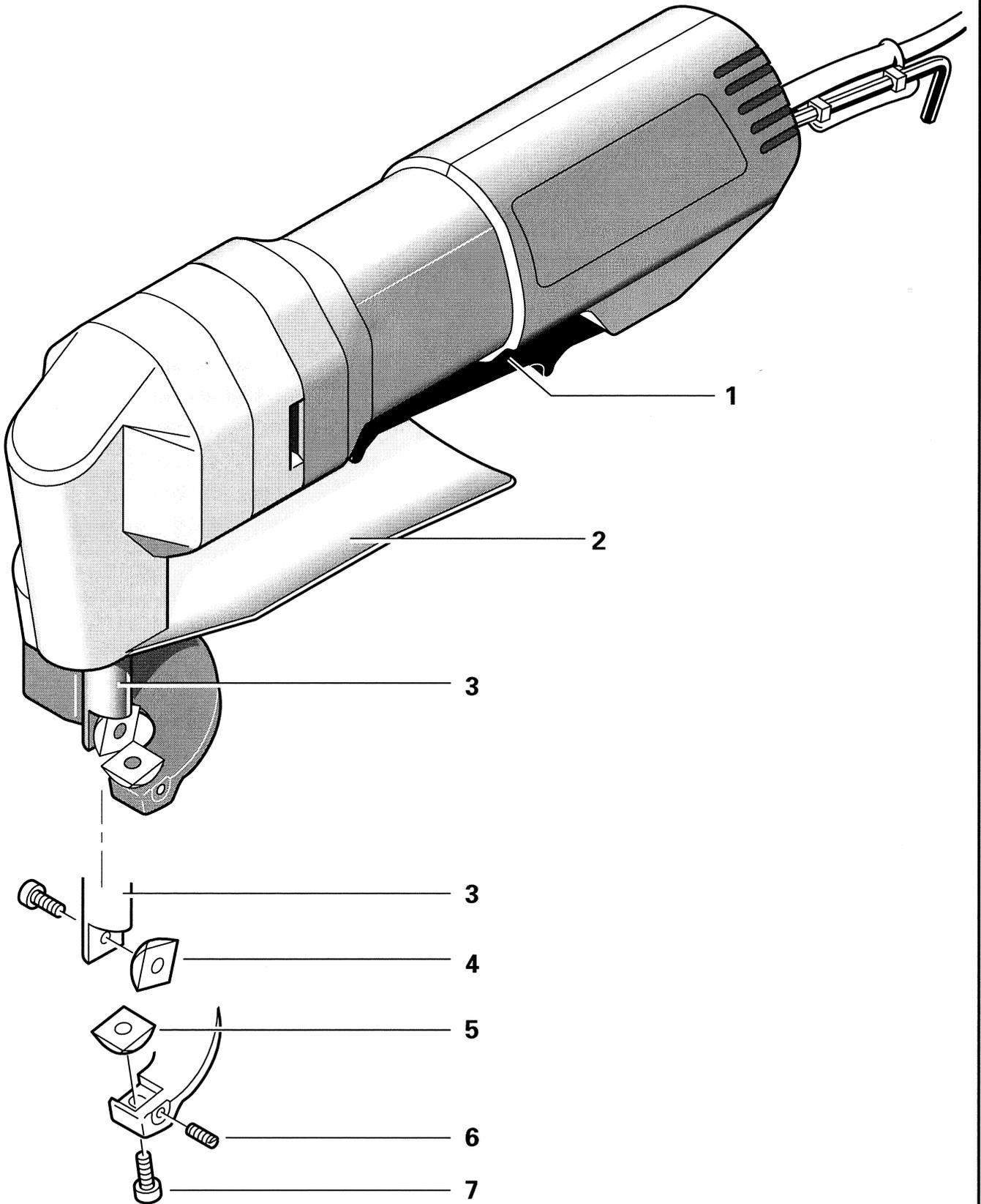


S 160 E



TRUMPF





Tool Specifications

GB

Sheet Metal Shears	S 160 E
Nominal power consumption	350 W
Power output	160 W
Strokes under load	1600/min
Cutting capacity:	
Steel (400 N/mm ²)	1,6 mm (max.)
Non-rusting steel	1 mm (max.)
Aluminium	2 mm (max.)
Weight (without accessories)	1,9 kg
Class of protection	□ / II

! For your safety



Safe operation of this machine is possible only when the operating instructions and the safety precautions are read completely and the instructions contained therein are strictly observed. Before operating the machine, ask for a practical demonstration.



The machine must not be used when damp and must not be operated in a wet environment.



Check the machine, cable and plug each time the machine is used. Only have damage repaired by a qualified professional.



When working, wear protective glasses and gloves as well as sturdy shoes.

- The machine must not be used without a chip deflector 2.
- Put the plug into the mains socket only when the machine is switched off.
- Always direct power cable to the rear away from drill.
- Always remove the plug from the power supply socket before carrying out any work on the machine, when interrupting work and when not using the machine. Do not carry the machine by the cable.
- Always clamp down the material to be worked.
- Keep the cutters free from material chips.
- Persons under 16 are not permitted to use the appliance.
- Use only original parts and accessories.

For further notes on safety refer to enclosed Sheet 100541.

Operating controls

- 1 On/Off switch
- 2 Chip deflector
- 3 Stroke rod
- 4 Upper cutter
- 5 Lower cutter
- 6 Adjustment screw
- 7 Attachment screw

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

Initial operation

Chip deflector 2 must always be mounted.

The chip deflector serves as a hand protector and guides the material cuttings to the rear.

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: Press ON/OFF switch 1.

Switching off: Release ON/OFF switch 1.

Continuous connection

Switching on: Press ON/OFF switch 1 and push backwards.

Switching off: Again press and release the ON/OFF Switch 1.

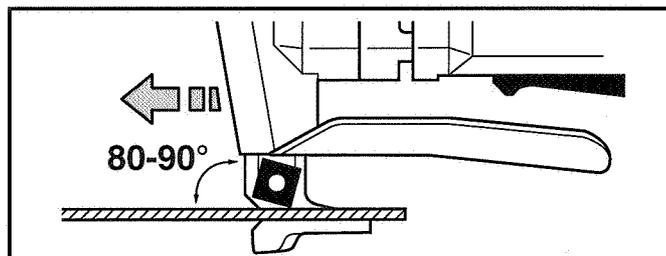
Operating instructions

Applying the machine to the metal only after it has been switched on.

Hold the machine at a right angle to the metal surface (Figure).

Do not load the machine so heavily that it stalls.

Cutting curved lines: Do not tilt the machine and work with low feed rate.



Excessive feed rates reduce the performance considerably and shorten the life of the cutters.

Sharp cutters produce good cutting results and protect the machine.

Changing the tool

Pull the plug from the socket.

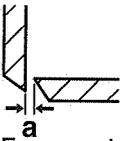
The cutters 4 and 5 are identical, each has four cutting edges and can be interchanged.

When the cutting performance is unsatisfactory, rotate each cutter 90° or replace.

Loosen the screw 7 of the respective cutter, rotate the cutter 90° and re-tighten the screw.

Ensure that the lower cutter rests against the adjustment screw 6.

Adjusting the cutter clearance



The cutter clearance **a** has been adjusted at the factory and does not need to be changed.

For working primarily with ductile, brittle or thin sheet metal, the following values/cutter clearances give optimum cutting results:

Metal	Metal thickness	Cutter clearance a
Thin/ductile	0.3 - 0.6 mm	0.1 mm
Brittle	0.8 - 1.2 mm	0.25 mm
Brittle	1.3 - 1.6 mm	0.3 mm

Loosen the lower cutter 5 and adjust with the adjustment screw 6 to the required clearance **a**. Check the clearance with a gauge. Retighten the screw.

Caution! The cutters must not touch each other.

Accessories

Set of cutters 044 502
Allen key 067 830

Care and Maintenance

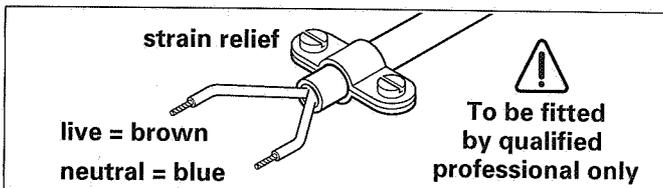
Always disconnect the plug from the power socket before carrying out any work on the appliance.

Always keep the machine and the ventilations clots clean.

WARNING

Important instructions for connecting a new 3-pin plug to the 2 wire cable:

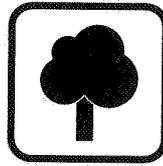
The wires in the cable are coloured according to the following code:



Do **not** connect the blue or brown wire to the earth terminal of the plug.

Destroy the old, cut off plug to avoid accidents by misuse.

Environmental protection



Recycling raw materials instead of waste disposal

Machine, accessories and packaging should be sorted for environment-friendly recycling.

These instructions are printed on recycling paper manufactured without chlorine.

The plastic components are labelled for categorized recycling.

Warranty and Service

TRUMPF tools carry a guarantee of 6 month from date of delivery (evidenced by invoice or delivery note).

Damage attributable to normal wear and tear, overload or improper handling will be excluded from the guarantee.

Damages due to material or manufacturing defects will be corrected either by replacement or repairs.

In case of complaint please send the machine, **undismantled**, to your dealer or the nearest TRUMPF Service Centre for electric power tools.

Noise/vibration information

Measured values determined according to EN 50 144.

Typically the A-weighted sound pressure level of the tool is 78 dB (A). The noise level when working can exceed 85 dB (A). Wear ear protection!

The typical hand-arm vibration is below 2.5 m/s².

CE Declaration of conformity

We declare under our sole responsibility that this product is in conformity with the following standards or standardization documents:

EN 50 144, EN 55 014, EN 60 555, HD 400 according to the provisions of the regulations 73/23/EEC, 89/336/EEC (as of 1/96), 89/392/EEC.

CE 94

Hans Klingel
Geschäftsführer Entwicklung

TRUMPF GmbH + Co.
D-71254 Ditzingen