

Cutting devices

The **BS manual cutting devices** are easy to use and extremely efficient. Shearing instead of sawing for diameters up to 16 mm. The BS cutting device is suitable for all areas where round or square steel and non-ferrous metal rods need to be cut to length. Whether in trade or in mechanical workshops, in apparatus or electrical equipment manufacturing, for industrial purposes or for wire components.

The ease of handling and the possibility of on-site use, for instance at construction sites, make the BS cutting device the ideal helper for burr-free shearing-off of bolts, studs, axes, shafts or for cutting off springs and tool steels.

Environmentally friendly cutting to length without material loss and with the most precise length tolerance. The cut-off points are almost level, because the material is guided safely in both shearing discs. After shearing, bright drawn round rods can be processed further in collet chucks.



BS1
Cutting to length
up to Ø 8 mm

BS2
Cutting to length
up to Ø 16 mm



The BS 2 cutting devices can also be equipped with a base and a material support stand.



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Cut-to-length systems manually and automatically operated



You will be cut above the rest with us.

Chipless, burr-free cutting
No loss of material
High cutting performance
Environmentally friendly, coolant-free technology
Long tool service life



Semi-automatic machines

Pneumatic and hydraulic semi-automatic machines are available for medium sized series in parts production. They are equipped with the same shearing technology as the manual devices, but are operated pneumatically or hydraulically.

Precise analogue or digital stop systems guarantee a consistently narrow length tolerance.

The ease of maintenance and the possibility of fast retooling ensure a smooth production process.

In the pneumatically supported **BS PN cutting devices**, the shearing stroke and the length stop are pneumatically operated. To relieve the operator, the shearing stroke can be triggered with the foot switch or the stop plate.



BS PN with a base frame and a digital length read out

The **semi-automatic cutting machine AMH** is operated with electro-hydraulic support. This allows for the efficient cutting of all kinds of sectional steel with a diameter of up to 30 mm. The shearing process is triggered by a contact switch.

For semi-automatic operation, the AMH can also be supplied with the following additional components:

- Material support stand
- Motorized roller feed up to Ø 16 mm
- Length stop with digital length readout
- High-speed shearing device for better cut-off quality



Semi-automatic AMH4 - hydraulic cutting machine for material with a diameter of up to 30 mm. The length is adjusted via a handwheel.

Fully automatic machines

The AMH cutting machines cut round and profiled rods made of steel and non-ferrous metals free of burrs with the most narrow length tolerance (± 0.1 mm) and without any loss of material.

Depending on the respective model, the different types of machines in the AMH series are characterised by a high shearing performance. Parts up to a diameter of 16 mm can be cut with the AMH2 and up to 30 mm with the AMH4. Depending on the requirements, 1,500 parts up to 30 mm diameter or 1,650 parts up to 16 mm diameter can be cut per hour.

The **AMH4** is an environmentally friendly **fully automatic hydraulic** machine for mass production. The fully automatic cutting machines can be fed with bar material up to a profile thickness of 30 mm or coil material up to a diameter of 12 mm. An electronic unit controls the entire loading, feeding and shearing process for an almost operator-free production process with a high output.



Fully automatic AMH4 with loading unit, separation and feeding.

For fully automatic operation, the system can also be supplied with the following additional components:

- Bundle loader $\geq \text{Ø } 12$ mm
- Bar loading magazine
- Decoiler
- Feed unit for material up to Ø 30 mm
- First-cut and remnant sorting

Profile cutting and punching device

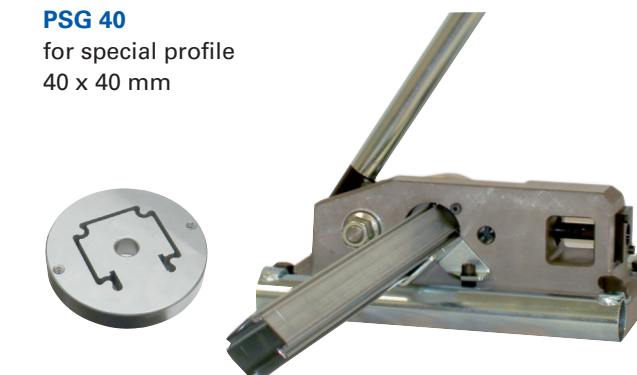
Profile cutting and punching device

The PSG devices were specially developed for shearing off thin-walled sheet metal profiles and for burr-free cutting and punching of pre-wall profiles. Due to their light and compact design, they can be used as mobile cutting devices at assembly sites and construction sites.

Almost all sheet metal profiles can be cut to burr-free lengths with little effort. The shearing tools can be exchanged quickly and flexibly at any time.

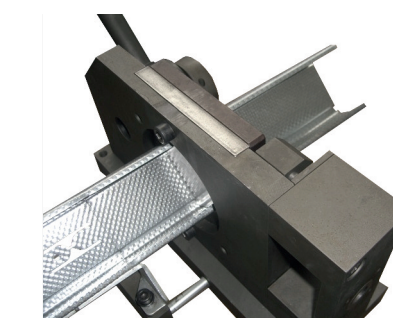
PSG 40 for top hat rails with length stop up to 1000 mm. Maximum profile size 40 x 40 mm

PSG 40
for special profile
40 x 40 mm



PSG 100 for pre-wall and special profiles

Maximum profile size 100 x 50 mm. It can be used for burr-free cutting of all sheet metal profiles used in dry construction. The shearing tools are manufactured individually according to customer requirements.



PSG 100
for pre-wall and
special profile