

Patented Stripping Tool

ABISOFIX

Stripping of:

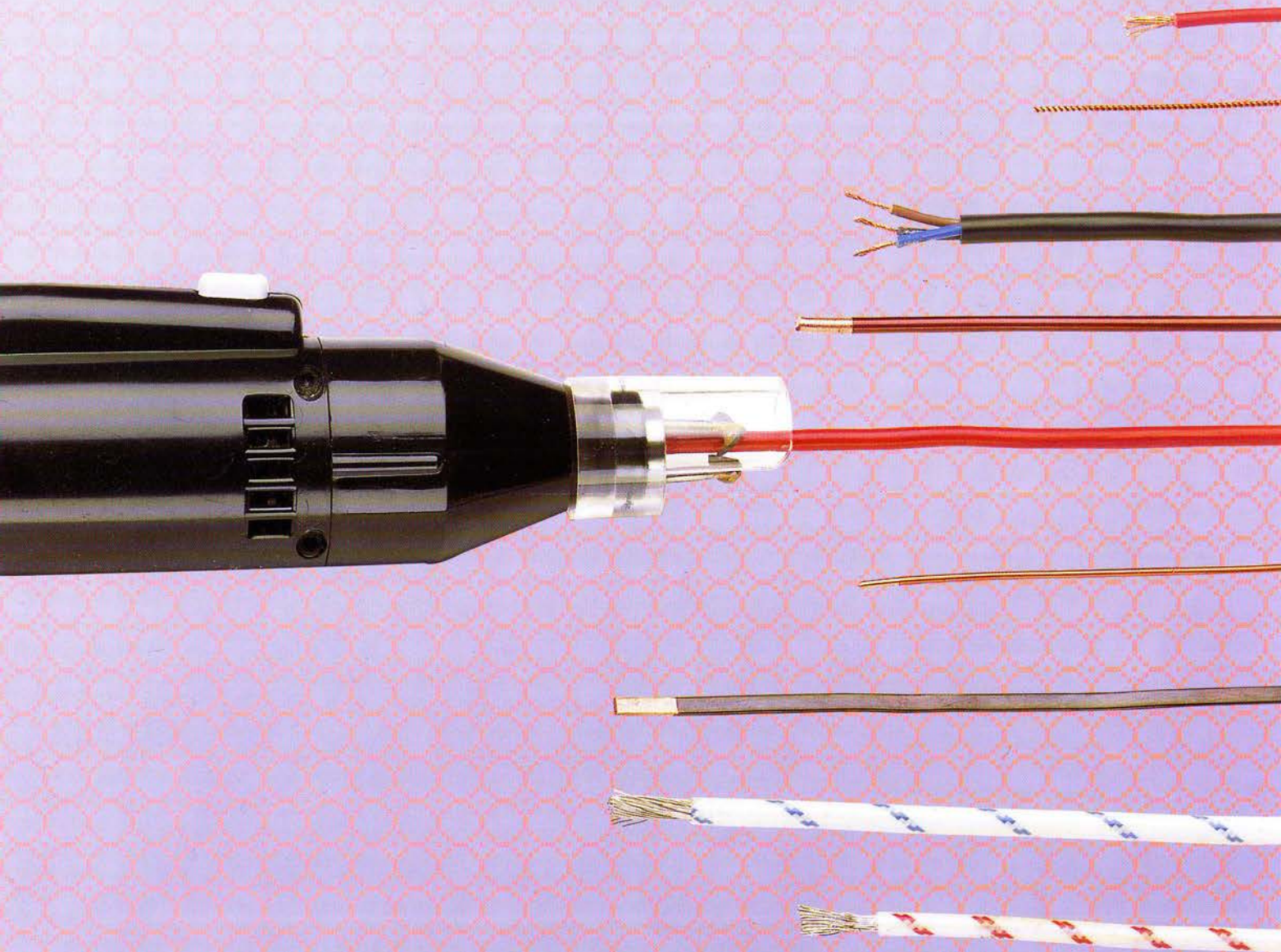
- Enamelled Copper Wire, Braided Wire
- Cables and Strip Wire

Twisting of:

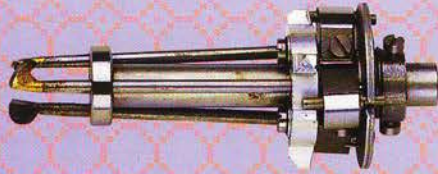
- Stranded Wire
- Wires

Removal of:

- Oxygen Layers
- Varnish and Solder Metal



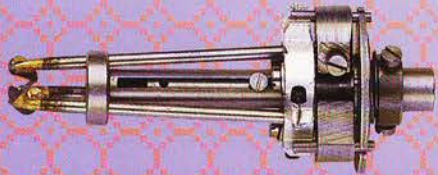
The Product Line



Standard Stripping Head

Stripping of enamelled and braided wires, also for mounted sleeveings.

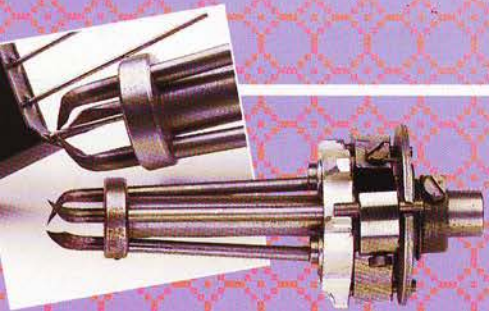
| Type: | Tools: | Diameter: |
|-------|--------|--------------|
| A1 | MK1 | 0,2 – 0,8 mm |
| A3 | MK3 | 0,6 – 2,0 mm |
| A5 | MK5 | 1,2 – 4,5 mm |



Strip Length Stop

Stripping of enamelled and braided wires, removal of oxidation layers. By means of the length stop "L" the stripping length can be adjusted from 3 to 40 mm. For longer stripping areas the length stop can be removed. The blade limiting "M" can be adjusted to a special wire gauge. There will be no damage to the wire and higher cycles can be achieved.

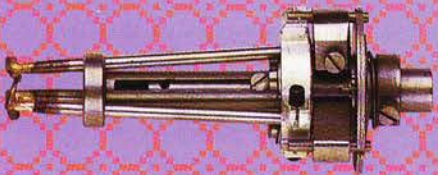
| Type: | Tools: | Diameter: |
|-------|--------|--------------|
| A1LM | MK1LM | 0,2 – 0,8 mm |
| A3LM | MK3LM | 0,6 – 2,0 mm |
| A5LM | MK5LM | 1,2 – 4,5 mm |



Special Stripping Head

In special applications, especially with electronics, it may be necessary to strip very closely to a component (distance 0).

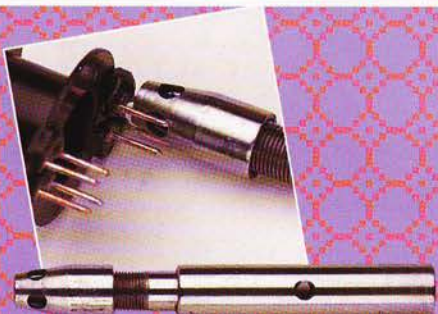
| Type: | Tools: | Diameter: |
|-------|--------|--------------|
| AS | MKS | 0,4 – 3,0 mm |



Flat Set Blades

Stripping of cables and wires with a larger wall thickness. Only available with strip length stop and blade limiting.

| Type: | Tools: | Diameter: |
|-------|--------|--------------|
| AFLM3 | MK3FLM | 0,6 – 4,0 mm |
| AFLM5 | MK5FLM | 2,0 – 5,0 mm |



Small Stripping Head

Stripping and cleaning of wiring pins of varnish or solder metal. Fixes the measurement for armament of circuit boards. Minimum distance of pins 5 mm (conditionally 4 mm). Stripping length 0,5 to 30 mm. The pin diameter is slightly adjustable (calibrating).

| Type: | Tools: | Diameter: |
|-------|--------|-----------|
| AK1 | KMK1 | 0,5 mm |
| AK2 | KMK2 | 0,6 mm |
| AK3 | KMK3 | 0,7 mm |
| AK4 | KMK4 | 0,8 mm |
| AK5 | KMK5 | 0,9 mm |
| AK6 | KMK6 | 1,0 mm |
| AK7 | KMK7 | 1,1 mm |
| AK8 | KMK8 | 1,2 mm |



Hardened Milling Tool

Stripping of rectangular (strip) wire up to 18 mm. Wider materials can be stripped by staggered arrangement. Useful for general milling jobs such as removal of copper flakes from laminations in a stator.

| Type: | Tools: |
|-------|--------|
| AF | MKF |

Twisting Head

| Type: | Tools: | Measure: |
|-------|--------|---------------------------|
| AV3 | MKV3 | 0,2 – 2,5 mm ² |
| AV5 | MKV5 | 2,5 – 6,0 mm ² |

Twisting of stranded wires in order to convert them to a solid wire for inserting into terminals, sockets etc..



Twist Hook

| Type: | Tools: | Diameter: |
|-------|--------|--------------|
| AVH | VH | up to 0,6 mm |

For twisting of 2 or more wires by means of a wire loop. If required the twisted wires can be stripped jointly by means of a cutting head.



Power Pack

| Type: | Technical Data: |
|-------|------------------------|
| NE42B | 230 V, 50 Hz/10 – 40 V |
| NE42C | 115 V, 60 Hz/10 – 40 V |
| USA | |

A specially designed power pack for the *ABISOFIX* stripper with infinite speed control, constant voltage, smooth start-up and electronic overload protection.



Table Holder

| Type: |
|-------|
| ATE |

The *ABISOFIX* Wire Stripper can be fixed to a table-top. Switching on and off is applied by a pneumatic foot-switch. Moreover, the motor stops immediately. This allows short cycles with batch production.



Drive

| Type: | |
|-------|-----------------------|
| AMO | drive alone |
| ADBW | with a bore of 2,8 mm |

The *ABISOFIX* drive can be supplied alone. With the design "ADBW" it has a pierced shaft. The wire can be passed through the machine. Therefore it is possible to achieve longer stripping or tapping areas at required places.



Plexi-Glass Safety Guard

| Type: |
|-------|
| SHP |

For safety reasons the *ABISOFIX* must be operated only with a safety guard fitted. Generally it is supplied with the unit but also available as spare part.

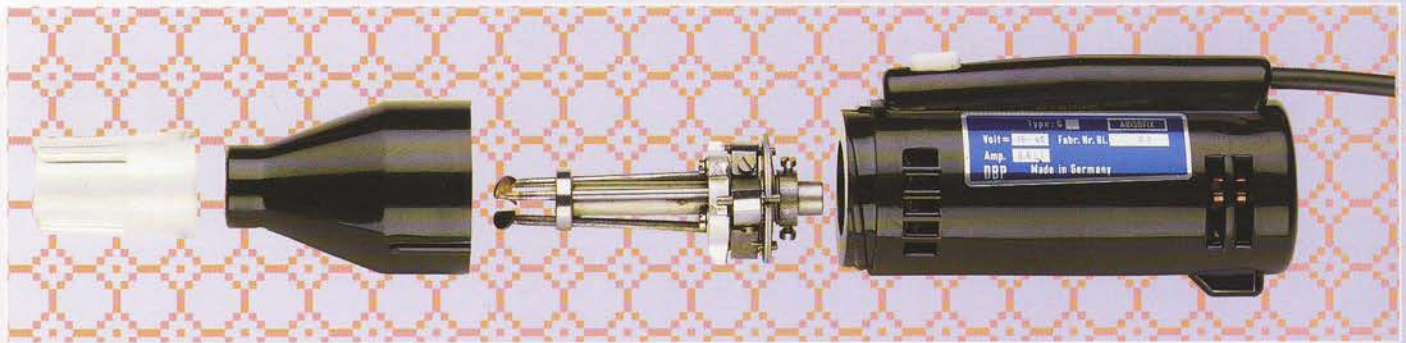


Spare Blades

Spare blades are available for all types. After wear and tear we recommend to send in the complete stripping head or the whole unit for overhauling. Blunt knives can be sharpened.



Patented Stripping Tool



The ABISOFIX Wire Stripper consists of:

1. Plexi-Glass safety guard
2. Casing cap
3. Stripping head
4. ABISOFIX drive

Dimensions:

Length 175 mm
Diameter 45 mm
Weight 450 gr

The Principle of the ABISOFIX Wire Stripper:

The ABISOFIX works at low voltage (long durability, electrically harmless) and is connected to the mains through an infinitely adjustable power pack. Three hardened metal blades of the stripper form a funnel. These will close on the wire from the largest to the smallest diameter, as the rotary speed increases. The magnet wire is fed between the blades to the required depth, the start button is pushed and the stripper slowly drawn away from the wire.

Due to a smooth start mechanism, the blades do not close jerkily but nestle gently against the material to be stripped. Only then is the necessary stripping pressure applied. Due to an infinitely adjustable rotary speed the blades may close to any specific required diameter.

For example a thin layer of enamel can be removed from a magnet wire without damaging the copper. The result is a neatly stripped copper wire. Turn off the machine and the ABISOFIX will stop automatically ready for the next job. According to the combination of materials to be stripped it is possible to preset the correct working speed at the power pack. With all additional tools, the working method is identical.

If you do have any stripping problems, please send a sample to your nearest ABISOFIX-dealer. He can offer solutions which would be beyond the scope of this leaflet.



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HP 30

Handabisoliermaschine für Drähte 0,15–3 mm, 230 V (115 V) 50 Hz, Gewicht 2,1 kg, Bürsten 30 mm

Manual stripping machine for wire diameter 0,15–3 mm, 230 V (115 V) 50 Hz, weight 2,1 kg / 4.62 lb., Brushes 30 mm

Machine de dénudage manuelle, dimensions: 0,15–3 mm, 230 V (115 V), 50 Hz, 2,1 kg, brosses 30 mm

| Bürstentyp Brush type Type | für Drahtstärke *) for wire diameter *) Dimension *) |
|----------------------------------|--|
| SRB30.10 | 0,15 – 0,60 mm |
| SRB30.15 | 0,40 – 1,00 mm |
| SRB30.20 | 0,60 – 1,50 mm |
| SRB30.25 | 0,80 – 2,00 mm |
| SRB30.30 | 1,00 – 3,00 mm |



HP 35 P

Handabisoliermaschine für Drähte 1,5–6 mm und Flachdrähte 1–6 mm stark, 230 V (115 V) 50 Hz, Gewicht 2,4 kg, Bürsten 35 mm

Manual stripping machine for wire diameter 1,5–6 mm and strands 1–6 mm, 230 V (115 V) 50 Hz, weight 2,4 kg / 5.28 lb., Brushes 35 mm

Machine de dénudage manuelle, Dimensions: 1,5–6 mm, Fils plats 1–6 mm, 230 V (115 V), 50 Hz, 2,4 kg, brosses 35 mm

| Bürstentyp Brush type Type | für Drahtstärke *) for wire diameter *) Dimension *) |
|----------------------------------|--|
| SRB35.10 | 1,00 – 2,00 mm |
| SRB35.15 | 1,50 – 2,50 mm |
| SRB35.20 | 2,00 – 3,00 mm |
| SRB35.25 | 2,50 – 4,00 mm |
| SRB35.30 | 3,00 – 6,00 mm |

Die HP30- und die HP35P-Maschinen werden mit der Hand geführt. Die ST40-Maschine wird stationär befestigt.

Die HP30-Maschine ist vor allem für dünnere Drähte geeignet. Der Draht wird durch gegenläufige Bürsten in die Maschine hineingezogen. Die HP35P- und die ST40-Maschinen sind besser für dickere Runddrähte und Flachdrähte ausgelegt. Durch gleichlaufende Bürsten entstehen keine Zugkräfte am Draht.

Den Lackdraht einführen, um 90 Grad drehen, herausziehen, fertig. Durch seitliches Einführen des Drahtes kann auch mitten im Draht abisoliert werden (Anzapfungen).

Mit unterschiedlichen Bürstentypen kann die Abisolierqualität an Drahtdurchmesser und Isolationsmaterial angepaßt und optimiert werden.

The HP30 and HP35P are hand held portable units whilst the ST40 is a bench mounted machine. The HP30 machine is specially designed and suitable for thinner round wires. The wire is pulled into the machine by the stripping brushes operating in opposite directions.

The HP35P and ST40 machines are more suited to thicker round or flat wires. The brushes work in synchronisation and therefore do not exert any pull on the wire.

To strip the wire merely insert the enamelled wire, turn by 90 degrees, remove the stripped wire. By inserting the wire laterally you can also strip any tapering wire.

By using different brushtypes the insulation quality can be matched to the optimum.



ST 40

Ständerabisoliermaschine für Drähte 1,5–8 mm und Flachdrähte bis 8 x 16 mm, ST40.D 230/400 V Drehstrom 50 Hz, ST40.L 230 V Wechselstrom 50 Hz, Gewicht 11,5 kg, Bürsten 40 mm

Bench mounted stripping machine for wire diameter 1,5–8 mm and strands up to 8 x 16 mm, ST40.D 230/400 V rotary current 50 Hz, ST40.L 230 V alternating current 50 Hz, weight 11,5 kg / 25.3 lb., brushes 40 mm

Machine de dénudage manuelle, dimensions: 1,5–8 mm, fils plats 8 x 16 mm, ST40.D 230/400 V courant triphasé 50 Hz, ST40.L 230 V courant alternatif 50 Hz, 11,5 kg, brosses 40 mm

| Bürstentyp Brush type Type | für Drahtstärke *) for wire diameter *) Dimension *) |
|----------------------------------|--|
| SRB40.10 | 1,00 – 2,00 mm |
| SRB40.15 | 1,50 – 2,50 mm |
| SRB40.20 | 2,00 – 3,00 mm |
| SRB40.25 | 2,50 – 4,00 mm |
| SRB40.30 | 3,00 – 8,00 mm |

Les machines HP30 et HP35P sont manuelles. La machine ST40 peut être utilisée en poste fixe.

La machine HP30 est destinée à des fils plus fins. Grâce au sens de rotation opposé des brosses, le fil fin est entraîné dans la machine.

Les machines HP35 et ST40 sont mieux adaptées pour les gros fils ronds et plats. Grâce au sens de rotation identique, les brosses n'exercent aucune pression sur le fil.

Il suffit d'introduire le fil en cuivre dans la machine, de le tourner à 90° et de le retirer. Grâce à une introduction latérale du fil, le dénudage plein fil est possible.

Avec des types différentes des brosses, la qualité de dénudage peut être adaptée au diamètre du fil et optimisée.

*) Die empfohlenen Drahtstärken sind als Richtwert gedacht. Grobe Bürsten tragen stärker ab, feine Bürsten ergeben eine sauberere Oberfläche. Andere Größen auf Anfrage.

*) The wire diameters are to be considered as a suggested guideline. Fine brushes result in a cleaner surface, coarse brushes take away more insulation material. Other sizes are available on request.

*) Les dimensions recommandées ne sont données qu'à titre indicatif. Les grands brosses sont utilisées pour dégrossir, tandis que les fins brosses permettent un travail plus fin. Autres dimensions de brosses sur demande.

ABISOBRUSH

HP/ST Abisoliermaschinen mit
Spezial-Rundbürsten

HP/ST Wire stripping machines
with special roundbrushes

HP/ST Machines de dénudage avec
brosses rondes spéciales



Funktion

Die Bürstenmaschinen dienen zum Abisolieren von lackisolierten Runddrähten und Flachkupfer. Zwischen zwei rotierenden Entlackungsbürsten wird der Draht abisoliert. Der Abstand der Entlackungsbürsten kann stufenlos eingestellt werden.

Function

The brush machine was designed to strip enamel-insulated wires and strands. The wire is stripped by way of introducing the wire between two rotating brushes, the distance between which can be easily adjusted.

Description du fonctionnement

Les machines avec brosses rondes spéciales dénudent les fils ronds et plats en cuivre. En tournant, les deux brosses dénudent les fils. L'intervalle des brosses est ajustable.

