WE SUPPLY:
SPIRALS
LEDGER BLADES
COMPLETE SHEARING CYLINDERS
ACCESSORIES
SERVICE

Visit our Website for further information!

J. SCHLENTER PRODUCTION GMBH • D-52070 AACHEN • AM GUT WOLF 13 • GERMANY
Tel.: +49/241/505000 • Fax: +49/241/533540 • Internet: www.schlenter.com • e-mail: info@schlenter.com
Our flexibility and the high performance of our shearing products are reflected in the various areas. The broad range of applications for shearing the most varied materials is just one of these areas. It spans fabrics and textiles made from natural and synthetic fibres manufactured using other techniques, such as cloths, velvet, automotive fabrics, plush, woven furs and curtains all the way through to carpets, felts, ropes and mats.

Regardless of the type of shearing machine you use, Schlenter can provide the suitable spirals, ledger blades and shearing cylinders. To this end, flexibility and customer-orientation take centre stage. For example it is possible to order single spirals for replacement on your Schlenter cylinder. These are produced according to our reference numbers (see figure on the left). We manufacture one or more spirals, which match the other spirals installed on the cylinder.

A further major focus of Schlenter is the maintenance of shearing cylinders and their complete cutting units at our facilities in Germany. To this end, all the required repairs and grinding work to your shearing cylinders or cutting units are carried out by our expert staff. But we do not only offer grinding work at our facilities, we also dispatch our specialist technicians throughout the world as part of our customer services program. This means flexible, comprehensive customer care at the highest technical level.

Schlenter: an innovative company with tradition!
The product range comprises ledger blades in various designs and dimensions.

Ledger blades are manufactured without holes, as well as with long holes, round holes and open slots.

Using our high technology production facilities, we can manufacture ledger blades for all standard types of shearing machines.

QUALITIES
As a result of our various ledger blades qualities, we offer the perfect solution for every shearing application.

HIGH-PERFORMANCE QUALITY – CV
This highly hardened blade, manufactured from alloy tool steel, provides perfect results when shearing natural fibres.

SPECIAL QUALITY – R4
In the case of this ledger blade, a high-alloy tool steel, which is both tough and non-wearing, is specially hardened. Increased rigidity is achieved by adding special alloy materials. This alloy guarantees a first-class cutting result for synthetic fibres as well as high-pile mixed fibres.

EXCEPTIONAL QUALITY – SUPRA
This ledger blade, manufactured from top-quality high-speed steel (HSS), produces an exceptionally good cutting result with the hardening technique especially developed for this material. The primary area of application is the shearing of satin-finished polyamide and polyester fabrics.

SHEARING SPIRALS
The spirals so imperative to the shearing process guide the fibre to the ledger blades for cutting.

This technical process requires the highest level of technical understanding, precision and extensive experience.

Being the primary equipment provider for all reputable shearing machine manufacturers requires total dedication!

A dedication that our company fulfills with a whole range of the most varied spirals.

1.5mm thick spirals: Precision file cut 11, 13, 14, 15, 18, 22, plain
2.0mm thick spirals: Precision file cut 9, 11, 13, plain

Regardless of the length, thickness or file cut, all shearing spirals are manufactured with a right- or left-hand winding.

Schlenter spirals: Achieving the perfect shearing result with know-how.
Dedicated to the requirements of tomorrow for more than 140 years!
The manual grinding device is a new development of a tool, which can be easily and universally used for grinding the ledger blade cutting edge. Ledger blades with a thickness of between 2 and 8 mm and a width of between 90 and 180 mm can be processed using this device. The angle can be infinitely adjusted between 25° and 55° for grinding the corresponding cutting edge. The manual grinding device is available either with an electric or pneumatic drive.

**Schlenter**

**MANUAL GRINDING DEVICE**

**TECHNICAL SPECIFICATIONS**

**EH-8**

<table>
<thead>
<tr>
<th>Drive</th>
<th>electric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>360 mm</td>
</tr>
<tr>
<td>Width</td>
<td>125 mm</td>
</tr>
<tr>
<td>Height</td>
<td>160 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3 kg</td>
</tr>
<tr>
<td>Voltage</td>
<td>220–240 Volt, alternatively 110–120 Volt 500 W / 50 Hertz 500 W / 60 Hertz</td>
</tr>
<tr>
<td>Ledger blade</td>
<td>2–8 mm</td>
</tr>
<tr>
<td>Ledger blade</td>
<td>width 90–180 mm</td>
</tr>
<tr>
<td>Setting angle</td>
<td>25°–55°, variable</td>
</tr>
<tr>
<td>rpm</td>
<td>27,000</td>
</tr>
<tr>
<td>Grinding stone</td>
<td>dimensions 30 x 30 / 18 x 21 mm</td>
</tr>
</tbody>
</table>

**PH-8**

<table>
<thead>
<tr>
<th>Drive</th>
<th>pneumatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>330 mm</td>
</tr>
<tr>
<td>Width</td>
<td>125 mm</td>
</tr>
<tr>
<td>Height</td>
<td>140 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>5.5 kg</td>
</tr>
<tr>
<td>Air pressure</td>
<td>min. 6 bar</td>
</tr>
<tr>
<td>Ledger blade</td>
<td>thickness 2–8 mm</td>
</tr>
<tr>
<td>Ledger blade</td>
<td>width 90–180 mm</td>
</tr>
<tr>
<td>Setting angle</td>
<td>25°–55°, variable</td>
</tr>
<tr>
<td>rpm</td>
<td>22,000</td>
</tr>
<tr>
<td>Grinding stone</td>
<td>dimensions 30 x 30 / 18 x 21 mm</td>
</tr>
</tbody>
</table>

**SERVICE**

Our specialist technicians execute service work at our in-house facilities, as well as carrying out maintenance to the cutting units in the shearing machine at the customer location - worldwide.

**Schlenter**

**GRINDING COMPONENTS**

**Doctor blades**

High-performance doctor blades are used for colour textile printing machines. They are available in various dimensions as well as in stainless steel.

**Cup wheel**

Cup wheels are suitable for use in all standard types of equalising machines.

**Carborundumstone**

Carborundumstones are used for polishing the ledger blades and for grinding out damage to the ledger blades. Dimensions: 250 x 45 x 45 mm

**Petroleum whetstone**

Petroleum whetstones can be used for sharpening the ledger blades and for removing minor damage to the ledger blades. Dimensions: 250 x 75 x 25 mm

**Grinding powder types**

- **ISCO “A”**
  Medium grit suitable for universal grinding Medium grinding result (RA 0.1)

- **ISCO “Flour 2000”**
  Fine grit suitable for fine grinding Fine grinding result (RA 0.05)

- **ISCO “Soft”**
  Very fine grit suitable for fine and finish grinding Very fine grinding result (RA 0.012)