Aluminium working

Safe and precise cutting and deburring in aluminium.
ALUMINUM WORKING

Cutting without clogging

Working with aluminum applications place high demands on both equipment and safety. Where regular abrasives are a problem to machine, special solutions need to be considered.

One popular solution is to use saw blades intended for aluminium cutting and milling, since they don’t have the same tendency to clog up.

But rebuilding a grinder with a saw blade, makes it a saw – not a grinder. To fulfill the safety standards, it needs to be supplemented with an automatic finger guard to protect the operator and prevent unintentional touch of the saw blade.

By using our ALU-CUT guard the grinder has a finger guard that automatically closes if the machine is dropped. It even incorporates dust extractions, for evacuation of the aluminum chips.

DID YOU KNOW? Aluminium is the most abundant metal in the Earth's crust, and the third most abundant element (after oxygen and silicon). It makes up about 8% by weight of the Earth's solid surface.

For deburring and shape grinding in aluminum, we recommend our LSF17. This is a well proven die grinder designed to meet the demands of a light weight tool and power needed for these applications. For additional operator comfort, we have a scatter dampener minimizing the vibration levels for the operator.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max free speed (r/min)</th>
<th>Max output (kW)</th>
<th>Collet size (mm)</th>
<th>Length (mm)</th>
<th>Weight (kg)</th>
<th>Air consumption at max output (l/s)</th>
<th>Air consumption at free speed (l/s)</th>
<th>Rec hose size (mm)</th>
<th>Air inlet thread BSP</th>
<th>Scatter damped</th>
<th>Ordering No</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSF17 S300-1</td>
<td>30000</td>
<td>0.28</td>
<td>6</td>
<td>170</td>
<td>0.4</td>
<td>9</td>
<td>6</td>
<td>8</td>
<td>1/4&quot;</td>
<td>•</td>
<td>8423 1224 19</td>
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</table>
These cutters are designed with a -4° (minus 4 degree) negative cutting edge and a cutting depth limiting step for low reaction forces.

**Features**

A. Spring loaded finger guard to prevent unintentional touching of the saw blade.

B. Dust extraction is incorporated directly in the guard, for swift chip evacuation.

C. Handle to pull back the ALU-CUT guard.

D. Low pressure drop air inlet for better teasing properties.

E. Comfortable safety lever to prevent unintentional start.

F. Robust vane motor with a speed governor for optimal process speed.

G. Scatter dampening for increased operator comfort, higher productivity and a smoother surface.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ordering No</th>
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</thead>
<tbody>
<tr>
<td>ALU-CUT kit</td>
<td>4112 1166 90</td>
</tr>
<tr>
<td>Sawblade: ( \phi 125 ) mm for cutting applications, 30 cutting teeth, 2mm thickness</td>
<td>4112 1164 00</td>
</tr>
<tr>
<td>Sawblade: ( \phi 125 ) mm for milling applications, 6 cutting teeth, 4mm thickness</td>
<td>4112 1162 00</td>
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</tbody>
</table>
We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand a test of time. This is what we call – Sustainable Productivity.

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