

Aluminium working

Safe and precise cutting and
deburring in aluminium.



Atlas Copco

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.

Model	Max free speed (r/min)	Max output (kW)	Collet size (mm)	Length (mm)	Weight (kg)	Air consumption at max output (l/s)	Air consumption at free speed (l/s)	Rec hose size (mm)	Air inlet thread BSP	Scatter damped	Ordering No
LSF17 S300-1	30000	0.28	6	170	0.4	9	6	8	1/4"	•	8423 1224 19

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.

A

C

These cutters are designed with a -4° (minus 4 degree) negative cutting edge and a cutting depth limiting step for low reaction forces.

Model	Ordering No
ALU-CUT kit	4112 1166 90
Sawblade: ø125 mm for cutting applications, 30 cutting teeth, 2mm thickness	4112 1164 00
Sawblade: ø125 mm for milling applications, 6 cutting teeth, 4mm thickness	4112 1162 00

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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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