

# Operating instructions



## Manual block splitters

ALMI Machinefabriek BV, Vriezenveen  
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## 1. ALMI block splitters

ALMI block splitters are available in various sizes and models. These are indicated with a number and a type reference if applicable.

### 1.1. Machine names

	Explanation
D	Version with fixed supporting plate for splitting blocks at an angle.
S	Version with adjustable splitting blades instead of a fixed blade.
U	Version with extra splitting height for cutting large blocks.
UT	Version with extra splitting height and larger supporting plates to support larger blocks.
KS	Version specially developed for splitting sand-lime bricks.

**Table 1.1-1: Overview of the various models**

### 1.2. Choosing the right block splitter

When choosing a block splitter, it is particularly important to consider the type and size of the blocks you wish to split. The type of block splitter is indicated by the naming conventions shown in table 1.1-1. See chapter 2 for the sizes that each block splitter can cut. Manual block splitters.

### 1.3. ALMI manual block splitters

These operating instructions are for the “standard” manual block splitters supplied by ALMI. The table below shows all models.

ALMI manual block splitters:	AL33
AL15 Easy	AL33D
AL33 Easy	AL33S
AL33D Easy	AL43
AL43 Easy	AL43S
AL43U Easy	AL43UT
AL43UT Easy	AL50KS
AL65 Easy	AL65
AL65U Easy	AL65U
AL65UT Easy	AL65UT
AL65KS Easy	AL65KS

**Table 1.3-1: Overview of manual block splitters**

### 1.4. Order extra copy of operating instructions

Extra copies of the operating instructions can be ordered from ALMI Machinefabriek BV in Vriezenveen, the Netherlands. Please specify the document number and number of copies required when ordering. The document number is indicated in the footer.

### 1.5. Errors in these operating instructions

These operating instructions have been prepared with the greatest possible care. If you find an error or something missing, please let us know.




## 2. Manual block splitters

This chapter contains basic information about the various manual block splitters supplied by ALMI.

### 2.1. AL15 Easy






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Blade type	Size	Applications	Weight
 Fixed blade	 175 mm   40-100 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Clay pavers</li> <li>• Concrete blocks</li> </ul>	<ul style="list-style-type: none"> <li>• 14 kg</li> </ul>

The popular favourite AL15 Easy is available again. This greatly improved version is the result of extensive development. The AL15 Easy is fitted with a fixed square blade with four usable sides. The supporting plates are provided with alignment markings and, thanks to the improved technology, the AL15 Easy requires 20% less force to split blocks splits 20% lighter than all other models on the market. You can easily carry this light-weight block splitter, only 14 kg, anywhere you are working.

### 2.2. AL33






Blade type	Size	Applications	Weight
 Fixed blade	 330 mm   10-120 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Clay pavers</li> <li>• Concrete blocks</li> </ul>	<ul style="list-style-type: none"> <li>• 41 kg</li> </ul>

The ALMI original. This model has been the number one choice of professional pavers since the 1970s. Problem-free operation is important to avoid disruptions on site. Interruptions caused by poor equipment are much more costly than the one-off

purchase price of an ALMI block splitter. The supporting plates come with alignment markings with centimetre divisions. Every ALMI block splitter is manufactured in an advanced robotic welding cell to guarantee consistent quality.

### 2.3. AL33D






Blade type	Size	Applications	Weight
 Fixed blade	 330 mm  10-120 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Clay pavers</li> <li>• Concrete blocks</li> </ul>	<ul style="list-style-type: none"> <li>• 41 kg</li> </ul>

The AL33D is very similar to the AL33. It has fixed supporting plates under the lower blade. The block is placed on the supporting plate at an angle, which means the block is also cut at an angle. This allows accurate laying. The supporting plates come with alignment markings with centimetre divisions. Every ALMI block splitter is manufactured in an advanced robotic welding cell to guarantee consistent quality.

### 2.4. AL33 Easy

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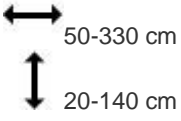


Blade type	Size	Applications	Weight
 Fixed blade	 330 mm  10-120 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Clay pavers</li> <li>• Concrete blocks</li> </ul>	<ul style="list-style-type: none"> <li>• 42 kg</li> </ul>

The AL33 Easy has the same familiar ALMI design, but now with a single handle. This handle can adjust both spindles, which makes the block splitter even easier to use. The AL33 Easy supporting plates also come with alignment markings with centimetre divisions. Thanks to the improved technology, the AL33 Easy also splits 20% lighter than all other models on the market.

## 2.5. AL33S



Blade type	Size	Applications	Weight
 Adjustable blade	 50-330 cm 20-140 cm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Fired paving blocks</li> <li>• Slabs</li> </ul>	<ul style="list-style-type: none"> <li>• 53 kg</li> </ul>

The ALMI special S series is a range of block splitters without fixed blades. Instead, they have a row of adjustable tungsten carbide splitting blades above and below the cutting area. The range includes the AL33S, with splitting blades that adapt to the surface of the block. The even pressure on the break line produces much better results with less effort. The ALMI S series can easily handle even problematic materials, like fired paving blocks with surface irregularities of up to 4 mm. The upper blade is accurately positioned by a double eccentric shaft transmission. This patented precision technology, which guarantees a longer lifespan and enables you to split blocks with less force, is only available from ALMI. The supporting plates come with alignment markings with centimetre divisions.


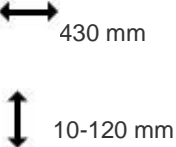
## 2.6. AL43 Easy



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Blade type	Size	Applications	Weight
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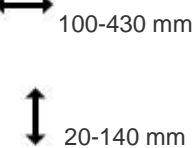
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 Fixed blade	 430 mm 10-120 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Slabs</li> </ul>	<ul style="list-style-type: none"> <li>• 57 kg</li> </ul>
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The AL43 Easy is the perfect block splitter for paving blocks and slabs in many different sizes. The wide splitting capacity and fixed blade make splitting many different sizes very easy. The supporting plates come with alignment markings with centimetre divisions. Thanks to the improved technology, the AL43 Easy also splits 20% lighter than all other models on the market.

### 2.7. AL43S



Blade type	Size	Applications	Weight
 Flexible blade	 100-430 mm 20-140 mm	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Fired paving blocks</li> <li>• Slabs</li> </ul>	<ul style="list-style-type: none"> <li>• 63 kg</li> </ul>


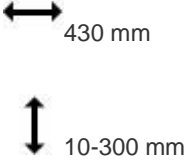
The AL43S is an S series block splitter. The block splitter is fitted with adjustable blades and has a wide splitting capacity, which makes it ideal for splitting paving blocks and slabs. The ALMI special S series is a range of block splitters without fixed blades. Instead, they have a row of adjustable tungsten carbide splitting blades above and below the cutting area. The cutting blades adapt to the surface of the block and can handle irregularities of up to 4 mm. The even pressure on the break line produces much better results with less effort. The upper blade is accurately positioned by a double eccentric shaft transmission. The supporting plates come with alignment markings with centimetre divisions.

### 2.8. AL43U Easy

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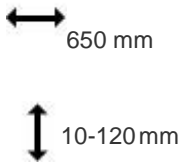
Blade type	Size	Applications	Weight
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 Fixed blade		<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Sand-lime bricks</li> <li>• Kerbs</li> </ul>	<ul style="list-style-type: none"> <li>• 73 kg</li> </ul>
<p>The AL43U Easy is fitted with a fixed blade. The large splitting width and height make splitting kerbs, sand-lime bricks etc. an easy task. The supporting plates come with alignment markings with centimetre divisions. Thanks to the improved technology, the AL43U Easy also splits 20% lighter than all other models on the market.</p>			

### 2.9. AL65 Easy



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Blade type	Size	Applications	Weight
 Fixed blade		<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Slabs</li> </ul>	<ul style="list-style-type: none"> <li>• 92 kg</li> </ul>
<p>The AL65 Easy is our largest manual block splitter, with a splitting width of 650 mm. This makes splitting large slabs and paving blocks very easy. The supporting plates come with alignment markings with centimetre divisions. Thanks to the improved technology, the AL65 Easy also splits 20% lighter than all other models on the market.</p>			


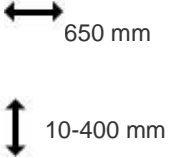
### 2.10. AL65U Easy



ALMI PATENT

Blade type	Size	Applications	Weight
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 <p>Fixed blade</p>	 <p>650 mm 10-400 mm</p>	<ul style="list-style-type: none"> <li>• Paving blocks</li> <li>• Large slabs</li> <li>• Sand-lime bricks</li> <li>• Kerbs</li> </ul>	<ul style="list-style-type: none"> <li>• 104 kg</li> </ul>
<p>The AL65U Easy is fitted with a fixed blade. The large splitting width and height make splitting large slabs or kerbs an easy task. Every ALMI block splitter is manufactured in an advanced robotic welding cell to guarantee consistent quality.</p>			

### 3. Safety, service and warranty

*This chapter contains information about safety, service and the warranty we provide with our machines, as well as the purpose and operation of the machines.*

#### 3.1. The user



Read these operating instructions carefully before using or carrying out work on the machine. This is the only way to ensure optimal safety.

#### 3.2. The manufacturer

The manufacturer of the machine is:

ALMI Machinefabriek BV  
Wierdenseweg 82-86  
7671 JK Vriezenveen  
The Netherlands  
T+31(0)546 561 353  
F+31(0)546 564 465

#### 3.3. Purpose of the machines

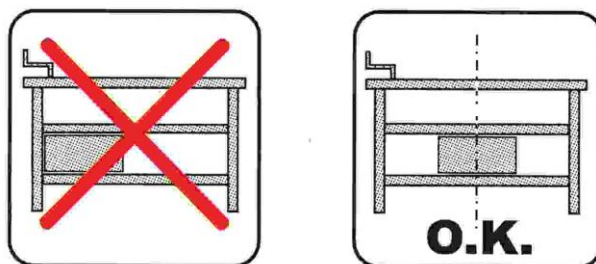
The purpose of the machine is to cut paving products. Using the machine for purposes other than cutting paving products is prohibited.

#### 3.4. Safety measures

Warning symbols are attached to the machine. Pay attention to the warnings and indications on the machine. Removing warning symbols or making them illegible is strictly prohibited. Worn warning symbols must be replaced promptly.

#### 3.5. Operation

- Place the block to be split on the lower blade (for the splitting capacity of the various block splitters, see chapter 2: Manual block splitters).
- Adjust the upper blade to the correct height above the block using the handles. The space between the block and the blade should be 0 to 5 mm.
- Slide the block into position roughly under the middle of the blade as shown in figure 3.5-1: Illustration “placing block at centre of blade”.
- Place the lever at an angle of 45° to allow the block to be cut easily as shown in figure 3.5-2
- Cut the block by gently pressing the lever: see figure 4.3-2 example “pressing the lever”.



**Steine mittig in der Maschine spalten.  
Position block on center of knife.  
Steen op midden van het mes plaatsen.**

Figure 3.5-1: Illustration “placing block at centre of blade”



**Figure 3.5-2: Example “pressing the lever”**

### **3.6. Liability**

ALMI Machinefabriek BV cannot be held liable for injury to persons or damage to the machine or products that arise as a result of failure to follow these operating and maintenance instructions.

### **3.7. Service**

Please contact your dealer or your own maintenance department for service.

### **3.8. Warranty conditions**

- art. 1 ALMI Machinefabriek BV will repair any defects in the machine supplied which are due to manufacturing or material defects within six months of delivery, only if the purchase invoice and serial number are provided.
- art. 2 All warranty obligations are invalid if:
- inexpert repairs or modifications are carried out by third parties without the approval of ALMI.
  - original spare parts are not used.
  - the damage or defects arise due to improper installation, inexpert use or failure to follow the directions and operating instructions.
  - the defects are the result of natural wear and tear to the machine.
- art. 3 ALMI reserves the right to have a third party carry out work on the machine during the warranty period.

## 4. Maintenance and repair

This chapter contains information about maintaining the machine.

### 4.1. Precautionary measures



Observe the safety instructions in chapter 3.

### 4.2. Check points

The machine should be checked regularly as explained in Table 4.2-1.

Item number	Description	Frequency
1	Remove stone dust from machine.	Daily
2	Check upper and lower blades for wear. Turn or replace the blades if necessary. Each blade has 4 (or 3) cutting edges and so can be used 4 (or 3) times. See also the exploded-view drawing supplied with the machine. Instructions: - Loosen fixing screw - Turn blade 90° (or 120°) or replace - Tighten fixing screw	Monthly
3	Check machine for wear and damage.	Monthly

**Table 4.2-1: Check points**

The number of times that each blade can be used depends on the shape of the blade. Most ALMI manual block splitters use square blades.

### 4.3. Replacing parts

If the machine needs to be repaired, we advise you to contact your dealer. If you carry out repairs yourself, you must ensure that only original spare parts are used. The following information must be supplied when ordering parts:

- The machine type number  
The machine type number is indicated on the lever.
- The machine serial number  
The machine serial number is stamped into the lever.
- The part number with description  
The part number with description is shown in the exploded-view drawing supplied with the machine.
- If you do not have the exploded-view drawing, please contact your dealer.

## 5. Disposal

The machine must be disposed of in accordance with applicable legislation in the country of use. The owner is responsible for proper disposal of the machine.