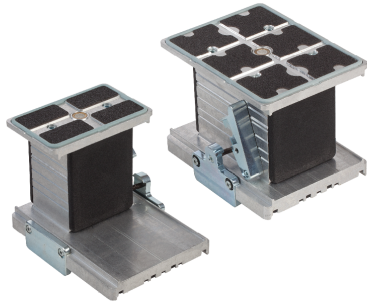
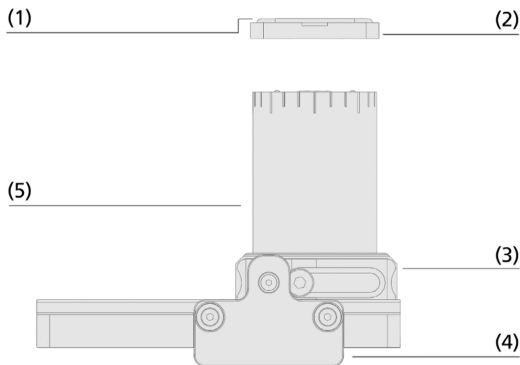


# Aluminum Vacuum Blocks VCBL-A-K1

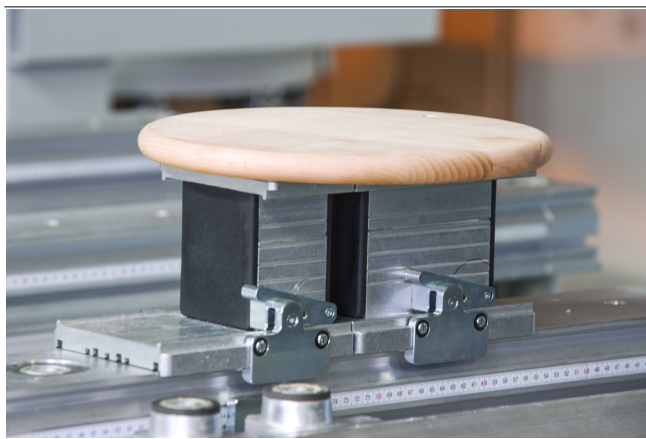
Height 50 mm, 100 mm and 125 mm



Aluminum Vacuum Blocks VCBL-A-K1



System Design Aluminum Vacuum Blocks VCBL-A-K1



Aluminum vacuum blocks VCBL-A-K1 for clamping solid wood

## Suitability for Industry Specific Applications

### Applications

- Hose-free vacuum clamping system for CNC machining centers with console table (single-circuit system)
- Application primarily in processing of solid wood due to blocks optimized for use with high cutting forces
- Specially coordinated friction materials guarantee the best possible adhesion and high precision
- Body made of aluminium creates a strong and stiff connection between machine table and workpiece
- Various suction areas and working heights available

### Design

- Sealing (1) also usable for structured surfaces
- Sealing frame with friction pad (2) optimized for solid wood applications
- Clamping mechanism (3) for pre-fastening to the console
- Guide strip (4) fits all single-circuit console tables
- Robust main body (5) made of aluminum for maximum stiffness and optimal milling results

### Product Highlights

- Aluminum structure guarantees low-vibration connection between machine table and workpiece
- Special friction pad for rough surfaces enables maximum cutting parameters
- High-strength pre-fixation on the console using an additional mechanical clamp
- Different working heights allow 5-axis machining depending on the machine

# Aluminum Vacuum Blocks VCBL-A-K1

Height 50 mm, 100 mm and 125 mm

## Designation Code Aluminum Vacuum Blocks VCBL-A-K1

<b>VCBL-A-K1</b>	–	<b>125x75</b>	–	<b>x50</b>	–	<b>D-360</b>
<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>

### 1 – Abbreviated designation

Code	Type
VCBL-A-K1	Vacuum block, aluminum, 1-circuit console system

### 2 – Suction area

Code	LxW in mm
160x120...	160x120 to 120x50
120x50	

### 3 – Height

Code	Height in mm
x50...	50 to 125
x125	

### 4 – Product addition

Code	Type
D-360	Rotatable by 360°
Q	Mounted crosswise

The vacuum block VCBL-A-K1 is delivered assembled. The product consists of:

- Top sealing frame in aluminum with friction pad and seal, available in various sizes and suction surfaces
- Main body made of aluminum with integrated suction plate at the bottom

Available spare parts: sealing ring, sealing frame

Available accessories: clamping unit

## Ordering Data Aluminum Vacuum Blocks VCBL-A-K1

Type	Dimensions (LxW):			
	160x120	140x115	125x75	120x50
VCBL-A-K1	50	-	-	-
VCBL-A-K1	50	D-360	-	-
VCBL-A-K1	50	Q	-	-
VCBL-A-K1	100	-	10.01.12.03881	-
VCBL-A-K1	100	D-360	-	-
VCBL-A-K1	100	Q	-	-
VCBL-A-K1	125	-	10.01.12.03042	-
VCBL-A-K1	125	D-360	-	-
VCBL-A-K1	125	Q	-	-

## Ordering Data Spare Parts Aluminum Vacuum Blocks VCBL-A-K1

Type	Spare Parts		Part no.
VCBL-A-K1	160x120	Sealing ring (glued)	DR 178.3/170.25x6 MOS NK-20
VCBL-A-K1	125x75	Sealing ring (glued)	DR 121/113x6 MOS NK-20

Type	Spare Parts	Part no.
VCBL-A-K1	Sealing frame (bottom)	VCDR 166x113x6.6 VCSP

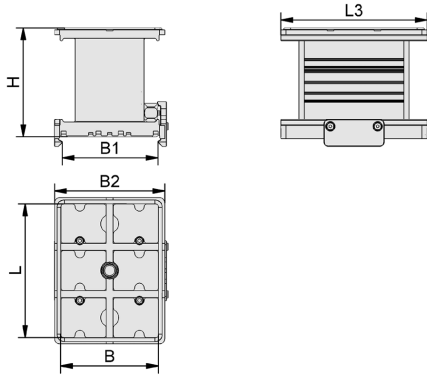
## Ordering Data Accessories Aluminum Vacuum Blocks VCBL-A-K1

Accessories	Part no.
Clamping unit	KLEM-EINH 69.5x35x12.5

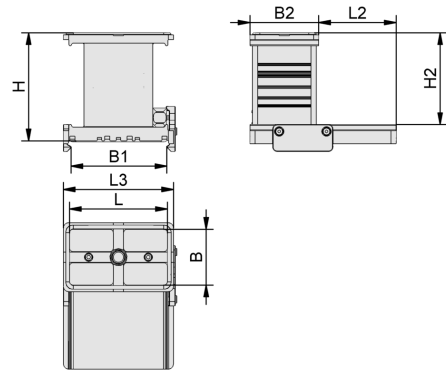
# Aluminum Vacuum Blocks VCBL-A-K1

Height 50 mm, 100 mm and 125 mm

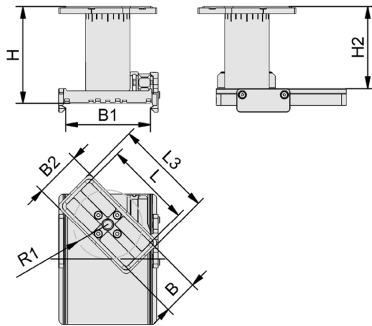
## Design Data Aluminum Vacuum Blocks VCBL-A-K1



VCBL-A-K1 140x115 - VCBL-A-K1 160x120



VCBL-A-K1 Q



VCBL-A-K1 D-360

# Aluminum Vacuum Blocks VCBL-A-K1

Height 50 mm, 100 mm and 125 mm

## Design Data Aluminum Vacuum Blocks VCBL-A-K1

Type	B [mm]	B1 [mm]	B2 [mm]	H [mm]	H2 [mm]	L [mm]	L2 [mm]	L3 [mm]	R1 [mm]
VCBL-A-K1-160x120x125	120	116	128	125	-	160	-	170	-
VCBL-A-K1-160x120x100	120	116	128	100	-	160	-	170	-
VCBL-A-K1-140x115x50	115	116	114	50	-	140	-	140	-
VCBL-A-K1-125x75x50-D-360	75	116	80	50	34	125	-	128	45
VCBL-A-K1-125x75x50-Q	75	116	80	50	34	125	90	128	-
VCBL-A-K1-125x75x100-D-360	75	116	80	100	84	125	-	128	45
VCBL-A-K1-125x75x100-Q	75	116	80	100	84	125	90	128	-
VCBL-A-K1-125x75x125-D-360	75	116	80	125	109	125	-	128	45
VCBL-A-K1-125x75x125-Q	75	116	80	125	109	125	90	128	-
VCBL-A-K1-120x50x50-D-360	50	116	60	50	34	120	-	128	45
VCBL-A-K1-120x50x100-D-360	50	116	60	100	84	120	-	128	45
VCBL-A-K1-120x50x125-D-360	50	116	60	125	109	120	-	128	45