Clamping Equipment for Flat Table Systems
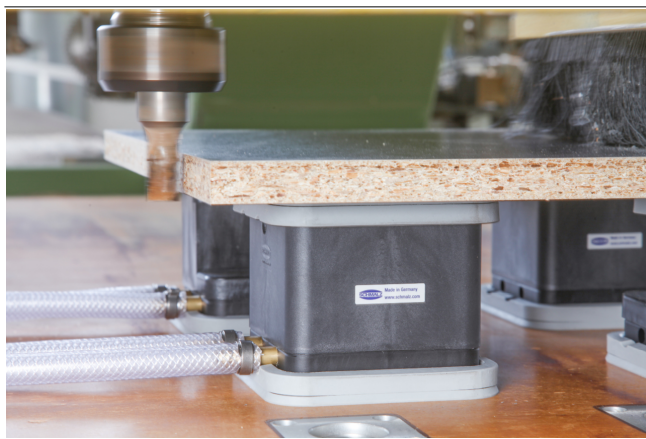
# Vacuum Blocks VCBL-G-K2

Height 100 mm



WOOD



Vacuum Blocks VCBL-G-K2

## Suitability for industry specific applications

### Application

- Universal vacuum clamping system with hose connection for CNC machining centers with flat table (2-circuit system)
- The vacuum block is connected to the machine vacuum supply by two hoses
- One vacuum line (circuit 1) supplies the bottom suction plate for fixing the vacuum block to the machine table, while the second line (circuit 2) supplies the top suction plate for fixing the workpiece to the vacuum block
- Enables damage-free clamping with the highest precision and holding force



System design Vacuum Blocks VCBL-G-K2

### Design

- Top suction plate (1) for fixing the workpiece
- Robust main body (2) made of plastic
- Hose connections (3) for vacuum supply
- Bottom suction plate (4) for fixing the vacuum block on the console



Vacuum blocks VCBL-G-K2 for clamping particle boards

### Product highlights

- Highest holding forces in wood applications thanks to optimized seals and friction pads
- Highest dimensional accuracy for more precision in the production process
- Wide range of products offers maximum flexibility and enables short set-up times
- Suction plates can be replaced quickly, easily and economically without tools

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# Vacuum Blocks VCBL-G-K2

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## ✅ Designation code Vacuum Blocks VCBL-G-K2

| VCBL-G-K2 | – | 120x120 | – | x100 | – | ST | – | AS |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | | 3 | | 4 | | 5 |

**1 – Abbreviated designation**

| Code | Type |
|---|---|
| VCBL-G-K2 | Vacuum blocks for flat table systems, 2-circuit console system |

**2 – Suction area**

| Code | LxW in mm |
|---|---|
| 120x120... 130x30 | 120x120 to 130x30 |

**3 – Height**

| Code | Height in mm |
|---|---|
| x100 | 100 |

**4 – Product addition**

| Code | Type |
|---|---|
| ST | With hose sleeves |

**5 – Product addition**

| Code | Type |
|---|---|
| AS | With lifting system |

The vacuum block VCBL-G-K2 is delivered assembled. The product consists of:

- Top suction plate type VCSP-O - elastomer part, available in various dimensions and suction surfaces
- Main body made of plastic
- Bottom suction plate type VCSP-U - Elastomer part

Available spare parts: suction plate (top), wear part set, sealing frame, friction plate, suction plate (bottom)
Available accessories: hose set, suction plate foam rubber

## ✅ Ordering data Vacuum Blocks VCBL-G-K2

| Type | | | Dimension (LxW): 120x120 | 125x75 | 120x50 | 130x30 |
|---|---|---|---|---|---|---|
| VCBL-G-K2 | 100 | ST | 10.01.12.00053 Ⓢ | 10.01.12.00056 | 10.01.12.00055 | 10.01.12.00059 |
| VCBL-G-K2 | 100 | ST+AS | 10.01.12.00054 | - | - | - |

## ✅ Ordering data Spare parts Vacuum Blocks VCBL-G-K2

| Type | Spare parts | | Part no. |
|---|---|---|---|
| VCBL-G-K2 120x120x100 ST | Suction plate (top) | VCSP-O 120x120x16.5 TPE | 10.01.12.00010 Ⓢ |
| VCBL-G-K2 120x120x100 ST+AS | Suction plate (top) | VCSP-O 120x120x16.5 TPE | 10.01.12.00010 Ⓢ |
| VCBL-G-K2 125x75x100 ST | Suction plate (top) | VCSP-O 125x75x16.5 TPE | 10.01.12.00011 Ⓢ |
| VCBL-G-K2 120x50x100 ST | Suction plate (top) | VCSP-O 120x50x15.5 TPE | 10.01.12.00012 Ⓢ |
| VCBL-G-K2 130x30x100 ST | Set of parts subject to wear | VST VCSP | 10.01.12.00723 |

| Type | | Sealing frame | Friction plate |
|---|---|---|---|
| VCBL-G-K2 | 130x30 | 10.01.12.00804 | 10.01.12.00805 |

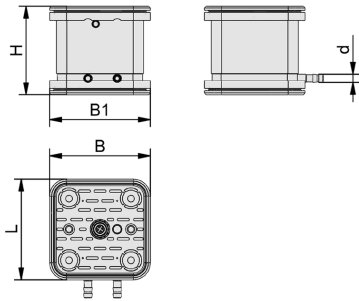| Type | Spare parts | | Part no. |
|---|---|---|---|
| VCBL-G-K2 | Suction plate (bottom) | VCSP-U 120x120x16.5 VCBL-G TPE | 10.01.12.00063 Ⓢ |

## ✅ Ordering data Accessories Vacuum Blocks VCBL-G-K2

| Type | Accessories | | | Part no. |
|---|---|---|---|---|
| VCBL-G-K2 | Accessories-clamping systems | 2 x 1.5m hose with connectors | ZUB VCBL-G | 10.01.12.00203 |

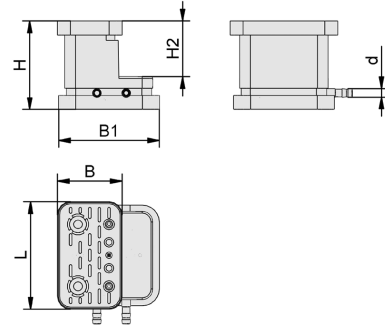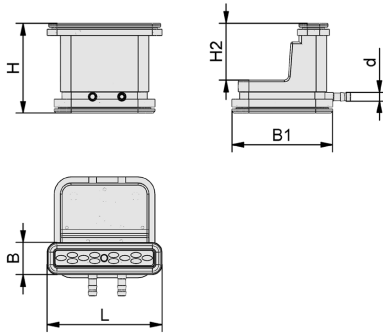| Type | | Accessories | | | Part no. |
|---|---|---|---|---|---|
| VCBL-G-K2 | 125x75 | Suction plate (top) | Foam rubber suction plate | VCSP-O 125x75x17.7 MOS TPE | 10.01.12.03511 Ⓢ |

# Vacuum Blocks VCBL-G-K2

Height 100 mm

### 🔲 Design data Vacuum Blocks VCBL-G-K2

VCBL-G-K2 120x120

VCBL-G-K2 120x50, VCBL-G-K2 125x75

VCBL-G-K2 130x30

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## ⊘ Design data Vacuum Blocks VCBL-G-K2

| Type | B [mm] | B1 [mm] | d [mm] | H [mm] | H2 [mm] | L [mm] |
|---|---|---|---|---|---|---|
| VCBL-G-K2 120x120x100 ST | 117 | 117 | 10 | 100 | - | 117 |
| VCBL-G-K2 120x120x100 ST+AS | 117 | 117 | 10 | 100 | - | 117 |
| VCBL-G-K2 125x75x100 ST | 75 | 117 | 10 | 100 | 63 | 125 |
| VCBL-G-K2 120x50x100 ST | 50 | 117 | 10 | 100 | 63 | 120 |
| VCBL-G-K2 130x30x100 ST | 37 | 138 | 10 | 100 | 63 | 134 |

## ✔ Multimedia product presentation

| Medium | Link |
|---|---|
| Product video | https://vimeo.com/178568576 |