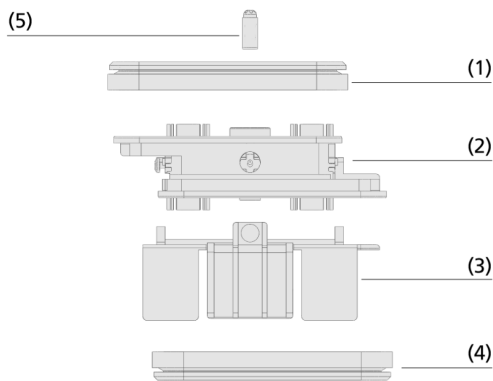


Vacuum Blocks VCBL-K1

Height 50 mm, 85 mm and 125 mm



Vacuum Blocks VCBL-K1



System design Vacuum Blocks VCBL-K1



Vacuum blocks VCBL-K1 for clamping solid wood

Suitability for industry specific applications

Application

- Hose-free vacuum clamping system for CNC machining centers with console table (single-circuit system)
- The vacuum blocks are pre-fastened to the consoles using guide strips and secured against movement during setup
- The vacuum clamps the vacuum blocks onto the console and the workpiece onto the vacuum blocks
- The optional touch valve (TV) allows unneeded vacuum blocks to be kept on the machine table
- Damage-free clamping with highest precision and holding force

Design

- Top suction plate (1) for fixing the workpiece
- Robust main body (2) made of plastic
- Guide strip (3) for positioning and mechanical pre-fixing on the console
- Bottom suction plate (4) for fixing the vacuum block on the console
- Optional touch valve (5)

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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Designation code Vacuum Blocks VCBL-K1

VCBL-K1	-	125x75	-	x50	-	Q	-	TV
1		2		3		4		5

1 – Abbreviated designation

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

2 – Suction area

Code	LxW in mm
140x115...	140x115 to 130x30
130x30	

3 – Height

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

4 – Product addition

Code	Type
D-360	rotatable by 360°
L	Mounted lengthwise
Q	Mounted crosswise

5 – Product addition







Code	Type
TV	with touch valve

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






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

Available spare parts: suction plate (top), wear part set, suction plate (bottom), sealing frame, friction plate, metal strips, guide strip for vacuum block
Available accessories: suction plate (top) foam rubber

Ordering data Vacuum Blocks VCBL-K1

Type				Dimension (LxW):			
				140x115	125x75	120x50	130x30
VCBL-K1	50	-	-	10.01.12.00210 	-	-	-
VCBL-K1	50	-	TV	10.01.12.00369	-	-	-
VCBL-K1	50	D-360	-	-	10.01.12.00497	10.01.12.00825	10.01.12.01455
VCBL-K1	50	L	-	-	10.01.12.00230 	10.01.12.00769 	10.01.12.00378
VCBL-K1	50	L	TV	-	10.01.12.00371	-	-
VCBL-K1	50	Q	-	-	10.01.12.00211 	10.01.12.00770 	10.01.12.00379 
VCBL-K1	50	Q	TV	-	10.01.12.00370	-	-









Type				Dimension (LxW):			
				140x115	125x75	120x50	130x30
VCBL-K1	85	-	-	10.01.12.01553	-	-	-
VCBL-K1	85	D-360	-	-	10.01.12.01557	10.01.12.01556	10.01.12.01558
VCBL-K1	85	L	-	-	10.01.12.01555	10.01.12.01690	10.01.12.01692
VCBL-K1	85	Q	-	-	10.01.12.01554	10.01.12.01689	10.01.12.01691





Type				Dimension (LxW):			
				140x115	125x75	120x50	130x30
VCBL-K1	125	-	-	10.01.12.02363 	-	-	-
VCBL-K1	125	D-360	-	-	10.01.12.02213	10.01.12.02214	10.01.12.02929
VCBL-K1	125	L	-	-	10.01.12.02370 	10.01.12.02372 	10.01.12.02374
VCBL-K1	125	Q	-	10.01.12.03673	10.01.12.02364 	10.01.12.02371 	10.01.12.02373

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Ordering data Spare parts Vacuum Blocks VCBL-K1

Type			Spare parts		Part no.
VCBL-K1	140x115	50	Suction plate (top)	VCSP-O 140x115x16.5 TPE	10.01.12.00488 
VCBL-K1	125x75	50	Suction plate (top)	VCSP-O 125x75x16.5 TPE	10.01.12.00011 
VCBL-K1	120x50	50	Suction plate (top)	VCSP-O 120x50x15.5 TPE	10.01.12.00012 
VCBL-K1	130x30	50	Set of parts subject to wear	VST VCSP	10.01.12.00702
VCBL-K1	140x115	85	Set of parts subject to wear	VST VCSP 130x30	10.01.12.02348
VCBL-K1	125x75	85	Suction plate (top)	VCSP-O 125x75x16.5 TPE	10.01.12.00011 
VCBL-K1	120x50	85	Suction plate (top)	VCSP-O 120x50x15.5 TPE	10.01.12.00012 
VCBL-K1	130x30	85	Set of parts subject to wear	VST VCSP 130x30	10.01.12.02348
VCBL-K1	140x115	125	Suction plate (top)	VCSP-O 140x115x16.5 TPE	10.01.12.00488 
VCBL-K1	125x75	125	Suction plate (top)	VCSP-O 125x75x16.5 TPE	10.01.12.00011 
VCBL-K1	120x50	125	Suction plate (top)	VCSP-O 120x50x15.5 TPE	10.01.12.00012 
VCBL-K1	130x30	125	Set of parts subject to wear	VST VCSP 130x30	10.01.12.02348

Type		Spare parts		Part no.
VCBL-K1	140x115	Suction plate (bottom)	VCSP-U 140x115x16.5 VCBL-K1 TPE	10.01.12.00228 
VCBL-K1	125x75	Suction plate (bottom)	VCSP-U 140x115x16.5 VCBL-K1 TPE	10.01.12.00228 
VCBL-K1	120x50	Suction plate (bottom)	VCSP-U 140x115x16.5 VCBL-K1 TPE	10.01.12.00228 
VCBL-K1	130x30	Suction plate (bottom)	VCSP-U 140x115x16.5 VCBL-K1 TPE	10.01.12.00228 

Type	Sealing frame	Friction plate
VCBL-K1	130x30	10.01.12.00804

Type	Part no.
Metal strips for bottom suction plate	ERS VCBL-Einleger
Guide strip vacuum block block, 1-circuit H=50 mm	ERS VCFL DRUC-FED
Guide strip vacuum block block, 1-circuit H=125 mm	ERS VCFL-VCBL-K1

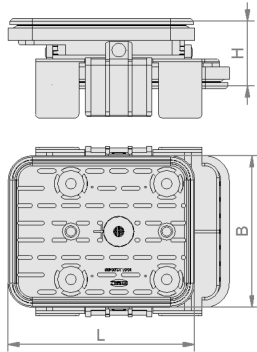
Ordering data Accessories Vacuum Blocks VCBL-K1

Type	Accessories			Part no.
VCBL-K1	140x115	Suction plate (top)	Foam rubber suction plate	VCSP-O 140x115x18.5 MOS TPE
VCBL-K1	125x75	Suction plate (top)	Foam rubber suction plate	VCSP-O 125x75x17.7 MOS TPE

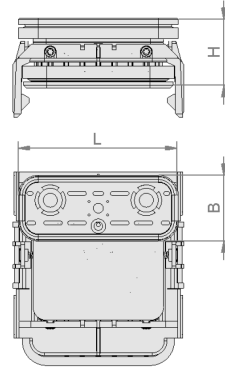
Vacuum Blocks VCBL-K1

Height 50 mm, 85 mm and 125 mm

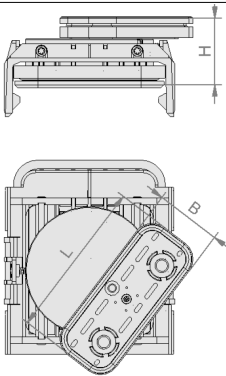
Design data Vacuum Blocks VCBL-K1



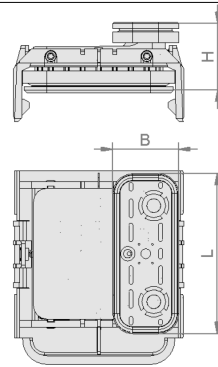
VCBL-K1 140x115



VCBL-K1 Q



VCBL-K1 D-360



VCBL-K1 L

Vacuum Blocks VCBL-K1

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Design data Vacuum Blocks VCBL-K1

Type	B [mm]	H [mm]	L [mm]
VCBL-K1 140x115x50	115	50	140
VCBL-K1 140x115x50 TV	115	50	140
VCBL-K1 125x75x50 D-360	75	50	125
VCBL-K1 125x75x50 L	75	50	125
VCBL-K1 125x75x50 L TV	75	50	125
VCBL-K1 125x75x50 Q	75	50	125
VCBL-K1 125x75x50 Q TV	75	50	125
VCBL-K1 120x50x50 D-360	50	50	120
VCBL-K1 120x50x50 L	50	50	120
VCBL-K1 120x50x50 Q	50	50	120
VCBL-K1 130x30x50 D-360	30	50	130
VCBL-K1 130x30x50 L	30	50	130
VCBL-K1 130x30x50 Q	30	50	130

Type	B [mm]	H [mm]	L [mm]
VCBL-K1 140x115x125	115	125	140
VCBL-K1 125x75x125 D-360	75	125	125
VCBL-K1 125x75x125 L	129	125	146
VCBL-K1 125x75x125 Q	130	125	147
VCBL-K1 120x50x125 D-360	50	125	120
VCBL-K1 120x50x125 L	129	125	143
VCBL-K1 120x50x125 Q	129	125	142
VCBL-K1 130x30x125 D-360	30	125	130
VCBL-K1 130x30x125 L	129	125	148
VCBL-K1 130x30x125 Q	130	125	140

Multimedia product presentation

Medium	Link
Product video	https://vimeo.com/178568576 https://vimeo.com/260009196