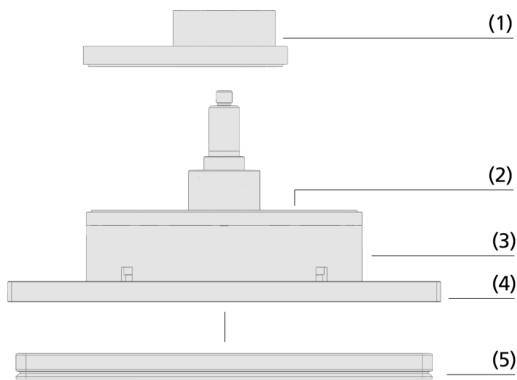


Mechanical Clamps VCMC-R

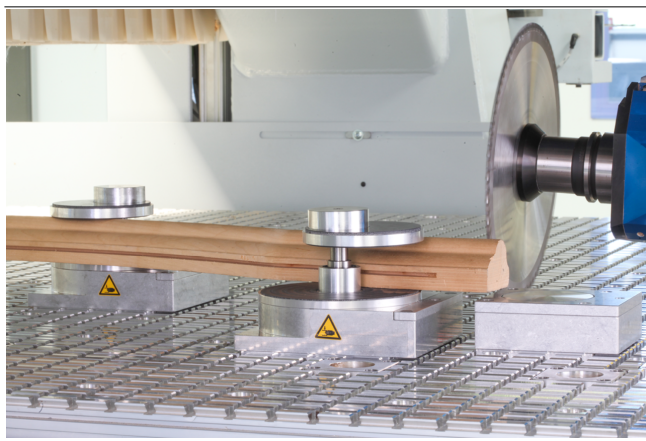
Clamping range 10 mm to 100 mm



Mechanical Clamps VCMC-R



System Design Mechanical Clamps VCMC-R



Mechanical clamps VCMC-R for clamping of curved workpieces

Suitability for Industry Specific Applications

- Mechanical clamping system for CNC machining centers with grid table
- Suitable for all common grid geometries (groove widths 6.1 mm to 7 mm, groove depths 6.1 mm to 7 mm)
- The mechanical clamps are activated via vacuum so that no further medium is required at the machine for clamping
- Particularly well suited for narrow and curved workpieces such as frame parts and window profiles
- If the clamping surface is insufficient, they can be securely clamped mechanically during machining

Design

- Eccentric clamping disc (1) is pulled downwards by the operating vacuum of the machine via a piston in the clamp
- Friction material (2) for optimizing lateral force absorption
- Main Body (3) made of aluminum
- Interface (4) to grid table with sealing frame (5)

Product Highlights

- Eccentrically positioned clamping plates for optimum use of the clamping surface
- Holds even narrow workpieces securely with clamping forces of up to 700 N
- No additional medium necessary, as it can be activated via the operating vacuum of the CNC machining center
- Withstands the strongest lateral forces thanks to special friction materials

Mechanical Clamps VCMC-R

Clamping range 10 mm to 100 mm

Designation Code Mechanical Clamps VCMC-R

VCMC-R	–	120x120x45	–	12-80	–	30x30
1		2		3		4

1 – Abbreviated designation

Code	Type
VCMC-R	Mechanical clamp, grid table system

2 – Dimensions

Code	LxWxH in mm
120x120x45...	120x120x45 to
212x212x45	212x212x45

3 – Clamping range

Code	Clamping range in mm
12-80...	12-80 to 10-100
10-100	

4 – Grid dimensions

Code	Grid dimension in mm
30x30	30x30
30/40	30x30 to 40x40
30/50	30x30 to 50x50
40x40	40x40

The mechanical clamp VCMC-R is delivered assembled. The product consists of:

- Clamping disc
- Main body made of aluminium
- Bottom sealing frame

Available spare parts: Clamping disc, sealing frame, sealing profile

Ordering Data Mechanical Clamps VCMC-R

Type	Part no.
VCMC-R 120x120x45 30x30	10.01.12.02942
VCMC-R 175x175x45 30/50	10.01.15.00244
VCMC-R 212x212x45 40x40	10.01.12.01720

Ordering Data Spare Parts Mechanical Clamps VCMC-R

Type	Spare Parts	SPAN-TELL 100x27.5 EXZ 12-80 VCMC
VCMC-R 120x120x45 30x30	Clamping disc	10.01.12.01783
VCMC-R 175x175x45 30/50	Clamping disc	10.01.12.01783
VCMC-R 212x212x45 40x40	Clamping disc	10.01.12.01783

Type	Spare Parts		Part no.
VCMC-R 120x120x45 30x30	Sealing frame	ISDR 120x120x13.5 R 30/40	10.01.15.00353
VCMC-R 175x175x45 30/50	Sealing frame	ISDR 167x167x9.3 NBR-55	10.01.15.00182
VCMC-R 212x212x45 40x40	Sealing profile (meter)	DI-PROF 4x13 NBR-60	10.07.04.00065

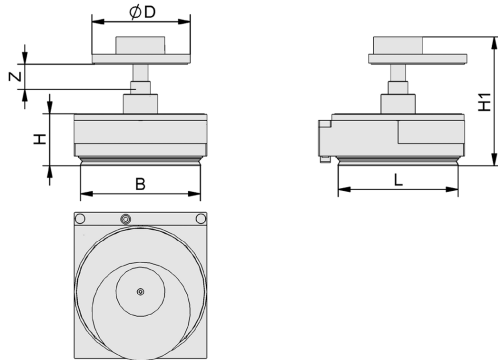
Technical Data Mechanical Clamps VCMC-R

Type	Recommended slot width x slot depth [mm]	Clamping range [mm]
VCMC-R 120x120x45 30x30	6,4 x 6,1	12.0 ... 80.0 mm
VCMC-R 175x175x45 30/50	5x5 / 7x7	12.0 ... 80.0 mm
VCMC-R 212x212x45 40x40	6,4 x 6,1	12.0 ... 80.0 mm

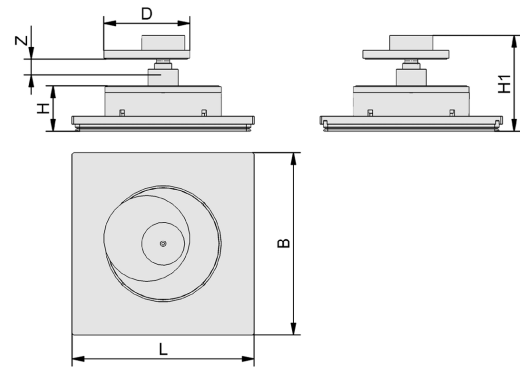
Mechanical Clamps VCMC-R

Clamping range 10 mm to 100 mm

Design Data Mechanical Clamps VCMC-R



VCMC-R 120x120



VCMC-R 175x175 - VCMC-R 212x212

Mechanical Clamps VCMC-R

Clamping range 10 mm to 100 mm

Design Data Mechanical Clamps VCMC-R

Type	B [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	Z (Stroke) [mm]
VCMC-R 120x120x45 30x30	135	100	45	92	154	10
VCMC-R 175x175x45 30/50	175	100	45	125	175	10
VCMC-R 212x212x45 40x40	212	100	45	90	212	10