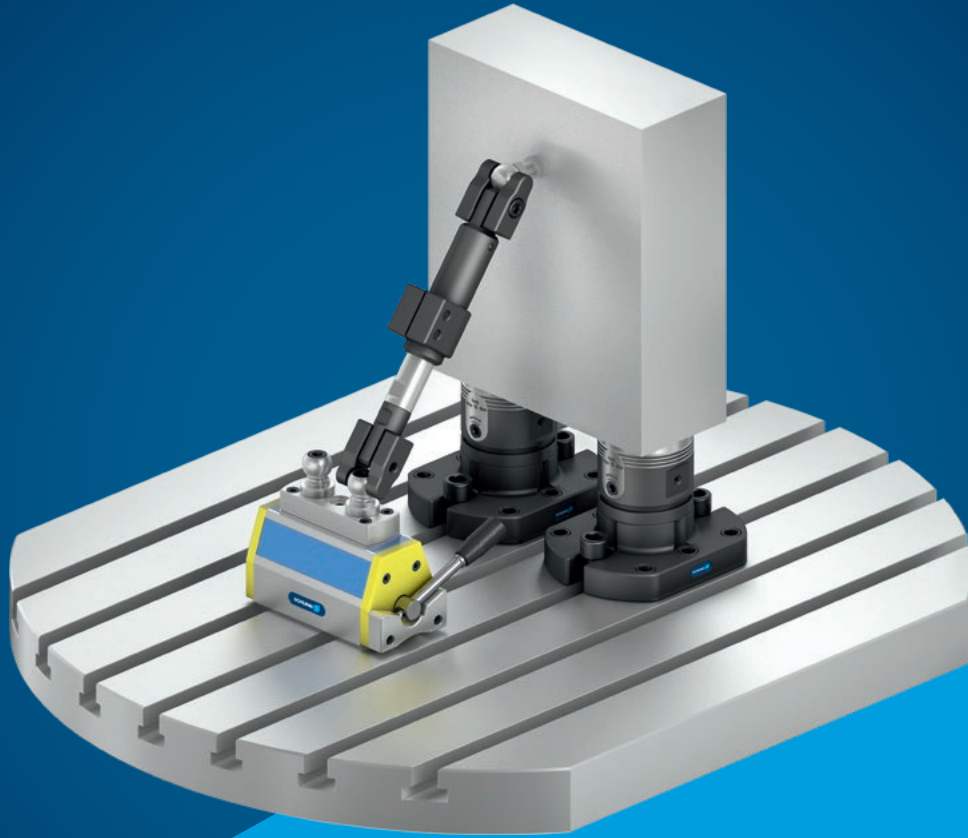


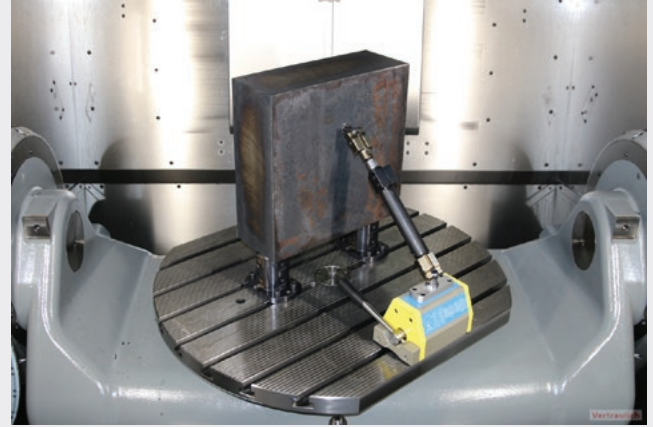


VERO-S WDM-5X

**Collision-free working due to
clamping pillars**

Manually actuated modular system for workpiece direct clamping

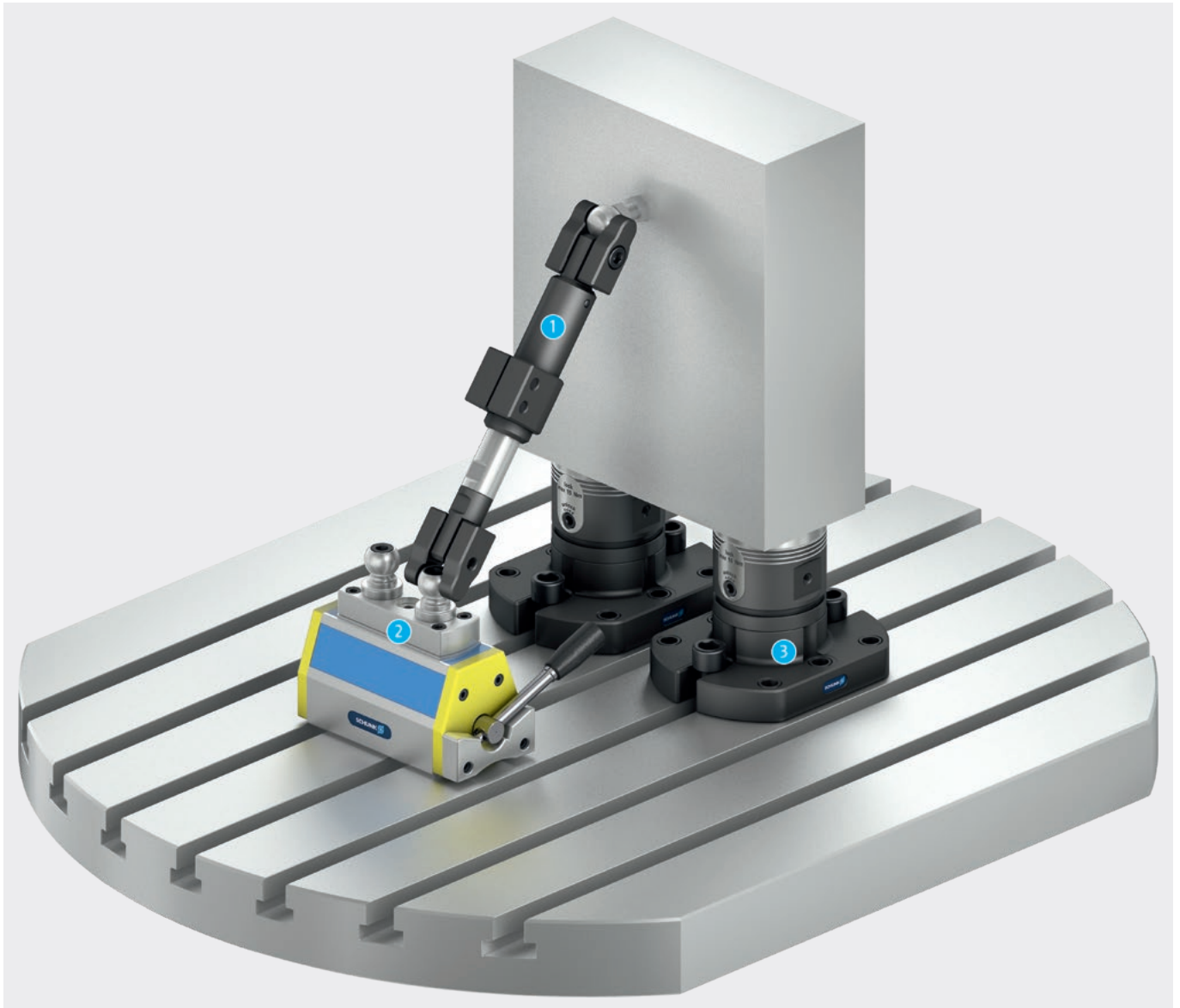
VERO-S WDM-5X is the manual, modular clamping system for workpiece direct clamping. Due to a wide range of basic- and stacking modules, and height extensions the clamping pillars can be customized to any height. The individual components are connected via a clamping wedge and clamping pin connection. Workpieces of all kinds can be lifted off the machine table and directly clamped in seconds without interfering contours due to clamping pillars with a modular structure. Due to specially designed clamping modules and a large range of clamping pins, the clamping pillars can be adapted to suit all customer requirements.



Advantages – Your benefits

- + Modular clamping pillars**
Flexible clamping of large workpieces and free forged parts
- + Scope-free pin centering between components**
High repeat accuracy of < 0.005 mm
- + High pull-down forces**
Up to 15 kN for high cutting parameters and greater production efficiency
- + Set-up by means of clamping pillars**
Ideally suited for 5-sided machining
- + Highest flexibility**
Machining of small, medium-sized and large workpieces, as well as through-holes
- + Form-fit, self-retained locking**
The full pull-down force is available at all times

Maximum Holding Force against Vibrations



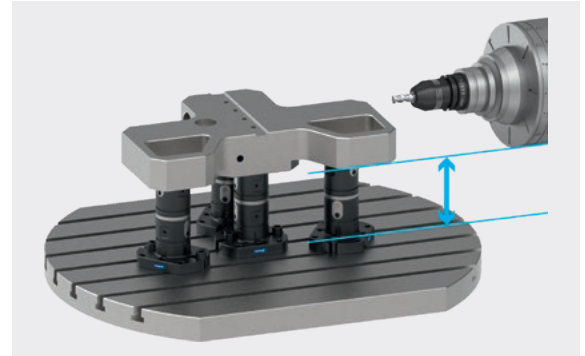
The most effective way to combat vibrations and instability while milling high workpieces – is achieved with a support against the force-acting direction of machining as well as at static weak points. Due to the wide variety of mounting options, the 5-axis stabilizers offer the highest degree of flexibility when fastening and supporting the workpieces.

- 1 3D support**
Via flexibly adjustable telescopic clamping units
- 2 Various mounting options**
Telescopic clamping unit via magnets, clamping balls with screw thread and much more
- 3 Basic modules**

Application examples

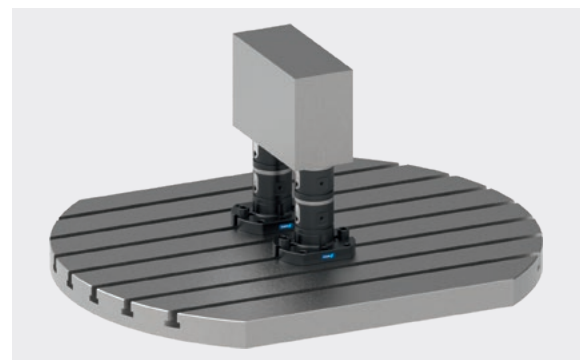
Workpiece elevation for optimum accessibility

The modular elements can be combined as desired. Thus, all types of workpieces can be flexibly clamped and optimally machined.



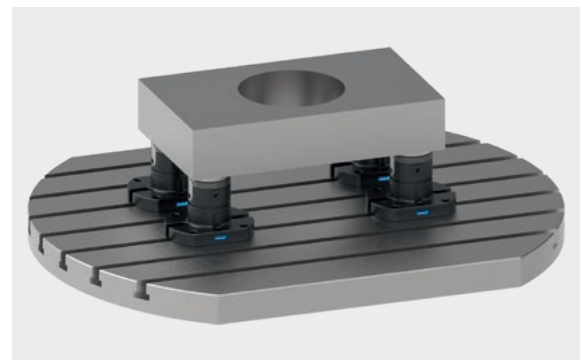
Ideally suited for 5-sided machining

The clamping pillars enable all types of workpieces to be clamped with minimal interfering contour. In addition, the workpieces can be lifted off the machine table if required for making 5-sided machining possible.



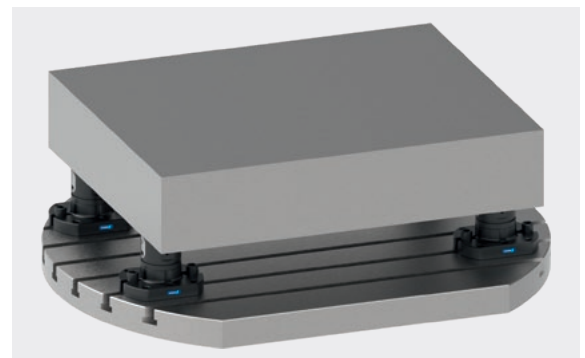
Perfectly suitable for cut-outs

Due to the clamping pillars and their minimal interfering contour, cut-outs can easily be introduced across the entire workpiece. Depending on the position of the cut-outs, the pillars can be placed on the machine table.



Highest flexibility

Small, medium-sized or very large workpieces can be machined with the modular system. Depending on the case of application, the clamping pillars can be precisely positioned on the machine table using a positioning arbor.



Compensation Module

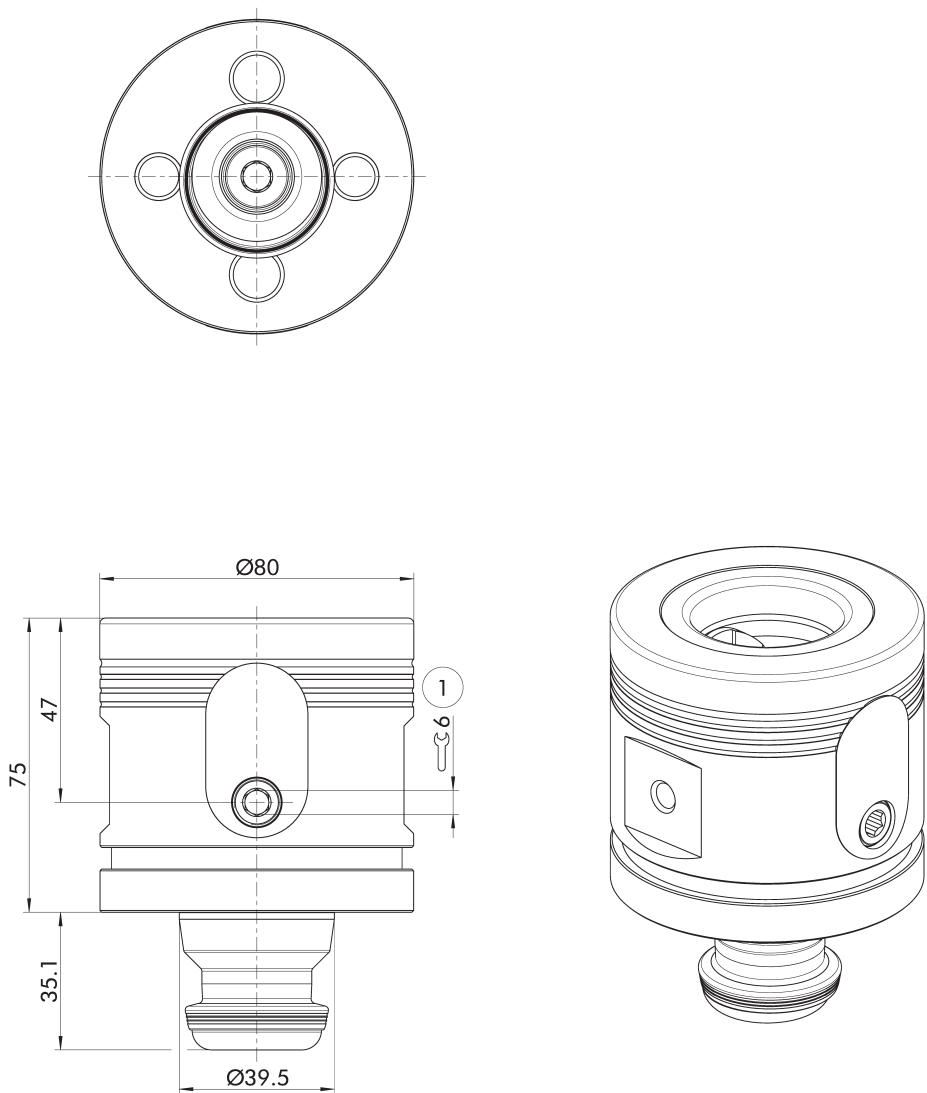
Compensation module to correct height, radial and angular inaccuracies
The stacking module can only be used in combination with the clamping ball SPKG Ø32

Scope of delivery

Compensation module, operating manual

Technical data

Description	ID	Holding force in Z [kN]	Holding force in X/Y [kN]	Actuation torque [Nm]	Height H [mm]	Height compensation [mm]	Radial compensation [mm]	Angular compensation [°]	Weight [kg]
WDM-5X-FLEX 80-75	1609942	1.5	1	15	75	±2	±1	±10	2.7



Subject to technical changes.

① Locking mechanism AF 6

Accessories

Ball clamping pin

Ball clamping pin to compensate for height, radial and angular inaccuracies in combination with WDM-5X-FLEX modules.



Suitable for	Description	ID
WDM-5X-FLEX	SPKG Ø32-25-45	1647784



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