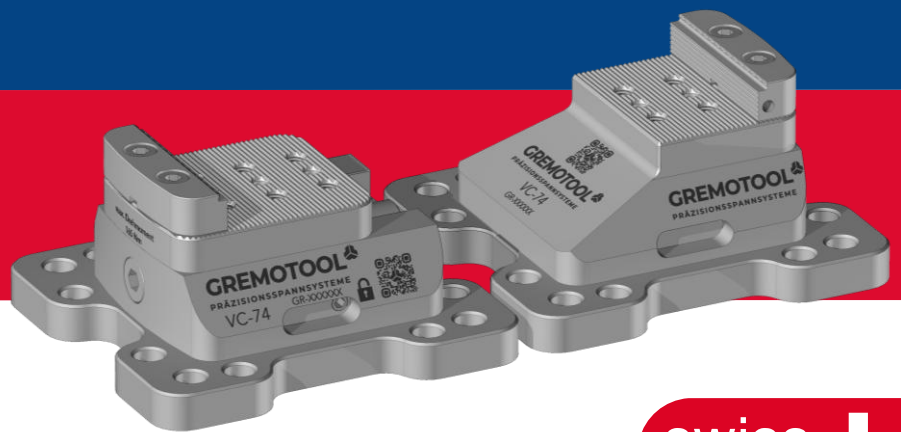


VC-Series



swiss 
made



Overview

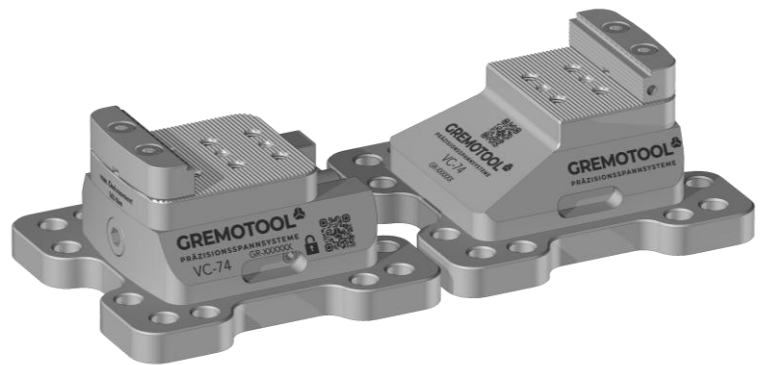
VC-Series

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Product presentation

VC-Series

With the VC series, you enable your production to clamp large panels with a flexible clamping system. The clamping width is not dependent on the clamping device, as the two modules can be positioned independently of each other on the table or perforated grid plate. These can also be rotated by 30° to enable the production of round parts. Due to the same height as the LC series, the VC and LC series can be combined without adaptation.



Product presentation

Benefits of the VC-Series

Clamping Force

The high clamping forces of the VC series can be influenced via the torque on the spindle. This allows you to clamp plastic workpieces without deformation and forged parts with a secure hold without destroying the clamp.

Accessibility

The flat silhouette of the VC series enables installation on all panels, towers and pyramids with maximum workpiece sizes. The perfected design of the clamp minimises interfering contours on both sides.

Flexibility

The elaborate drilling pattern of the two standard base variants covers perforated panels with 40- and 50-mm grid. The modules can be mounted on the panel independently and rotated by 30°. This enables complex clamping up to an approximate three-jaw chuck.

Compact

The compact clamp fits on any plate or tower to enable large tensions. Its low weight facilitates manual set-up.

Low maintenance

Thanks to its compact design, the chips do not remain anywhere in the clamp. The spindle remains free of chips, which minimises maintenance.

Short set-up times

The VC series can be equipped with various connection options. The standard base from Gremotool is suitable for grooved tables and perforated grid plates. Solutions for pallet systems and zero-point clamping systems can also be offered.

Large range of jaws

The entire range of Gremotool jaws can be used on the VC series. From gripper jaws to soft jaws made of aluminium, no wishes remain unfulfilled when it comes to workpiece clamping requirements.

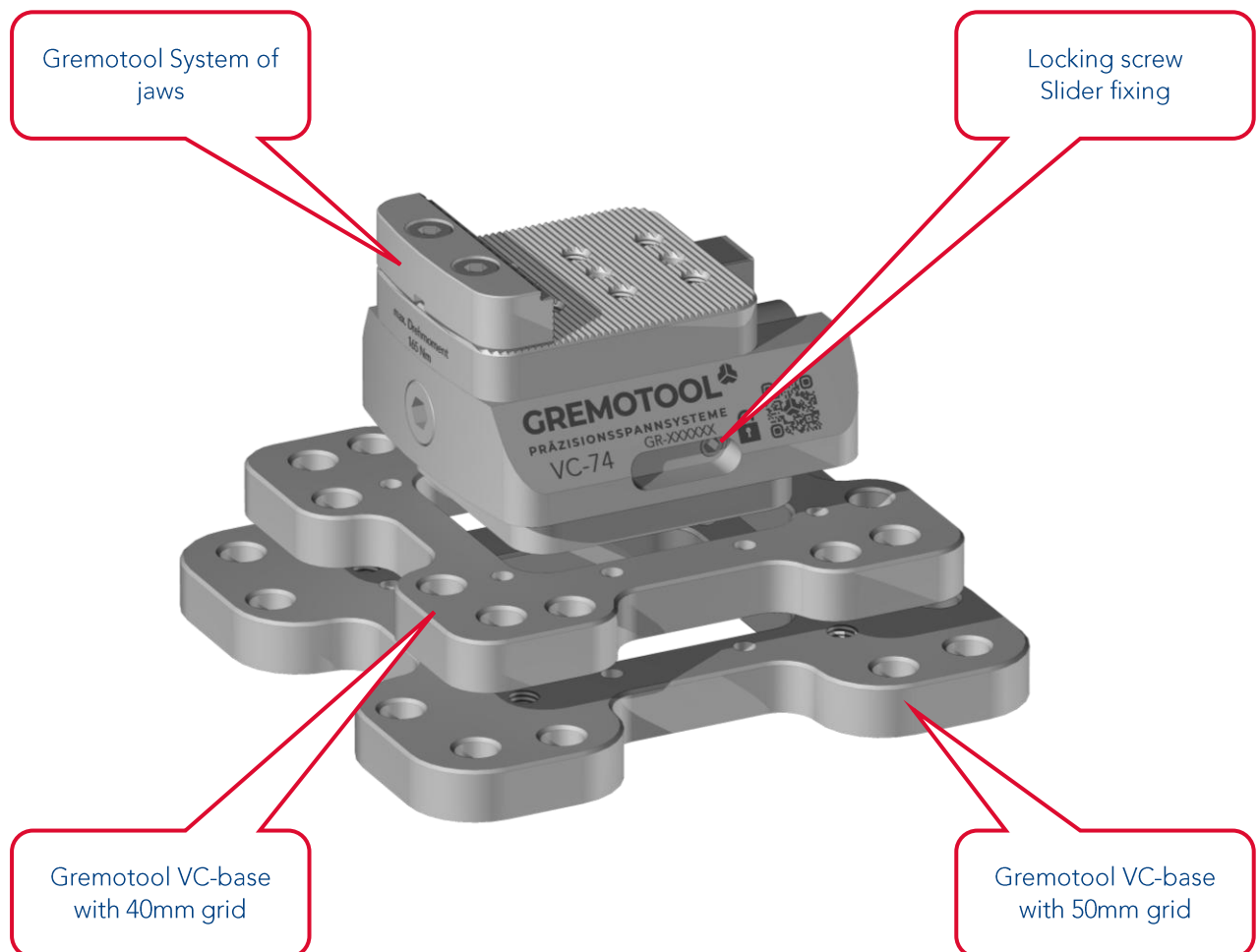
The jaws are equipped with the standardised Gremotool jaw system. This allows you to change the jaws very fast.

Locking function

The clamping module has a locking screw to block it. This function allows soft jaws to be precisely adjusted to the workpiece without the need for a boring ring or external fixings.

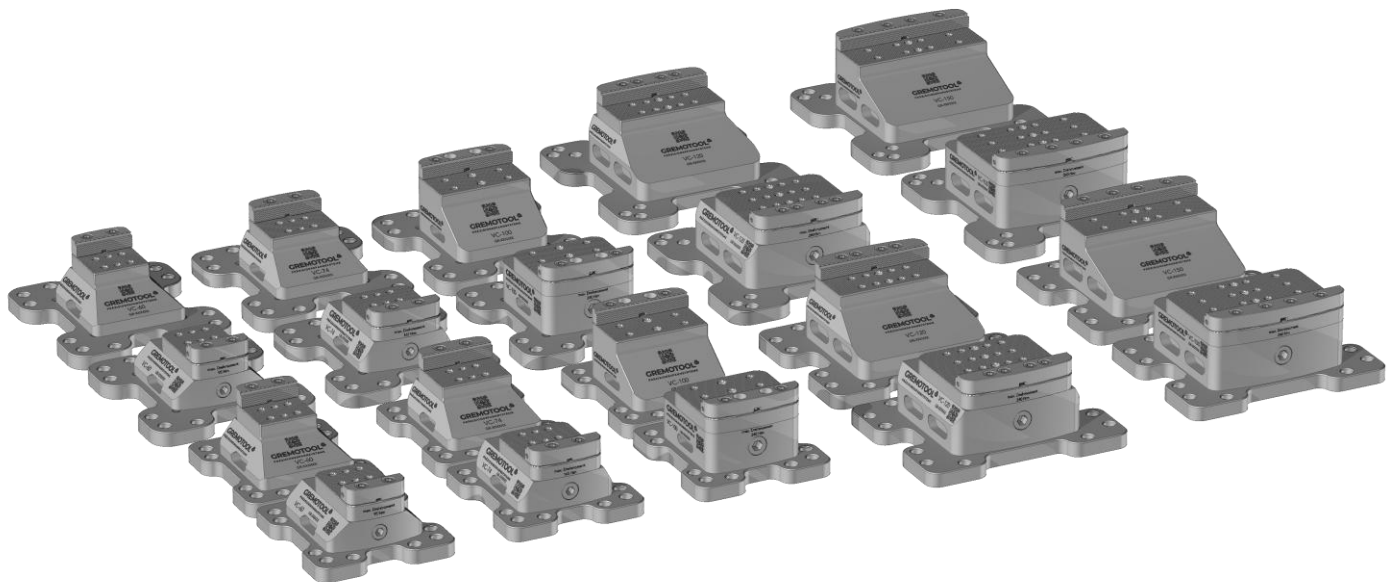
Product presentation

VC-Series



Overview of size options

VC-Series



Sizing guide

VC-Series



VC-Size		VC-60	VC-74	VC-100
Jaw width	[mm]	60	74	100
Clamping range	[mm]	> 50	> 50	> 50
Support height *	[mm]	75	75	85
Max. Torque range	[Nm]	95	165	240
Max. Clamping Force	[kN]	25	45	65
Total length (40mm/50mm grid)	[mm]	315 / 385	315 / 385	315 / 385
Total width (40mm/50mm grid)	[mm]	145 / 175	145 / 175	145 / 175
Total height **	[mm]	62	62	73
Spanner width	[mm]	8	10	12
Mass	[kg]	12.5	13.2	15.7

* With standard SC-gripper jaw

** without jaw

Sizing guide

VC-Series



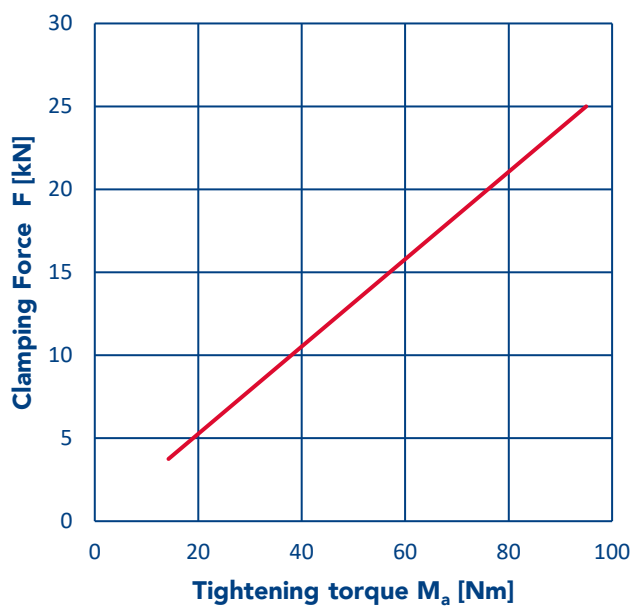
VC-Size		VC-120	VC-150
Jaw width	[mm]	120	150
Clamping range	[mm]	> 65	> 65
Support height *	[mm]	90	90
Max. Torque range	[Nm]	240	240
Max. Clamping Force	[kN]	65	65
Total length (40mm / 50mm grid)	[mm]	375 / 465	375 / 465
Total width (40mm / 50mm grid)	[mm]	220 / 215	220 / 215
Total height **	[mm]	78	78
Spanner width	[mm]	12	12
Mass	[kg]	25.2	27

* With standard SC-gripper jaw

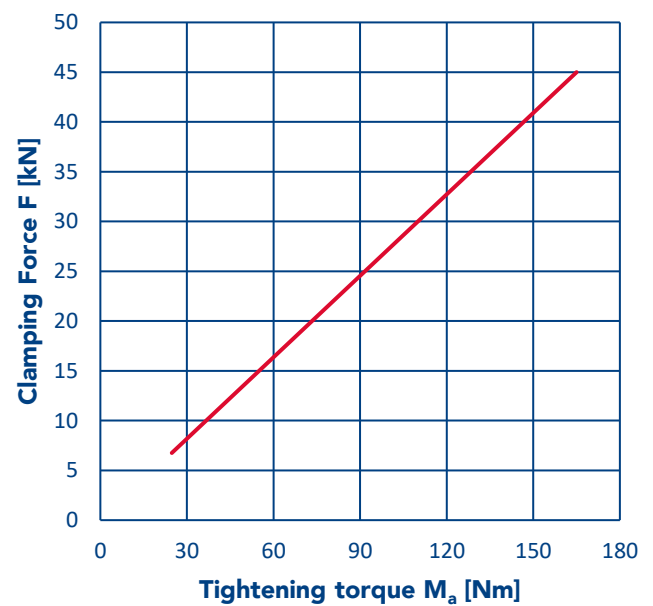
** without jaw

Torque range

VC-Series

**VC-60**

M_a max.	95 Nm
M_a min.	14.25 Nm
F max.	25 kN
F min.	3.75 kN

**VC-74**

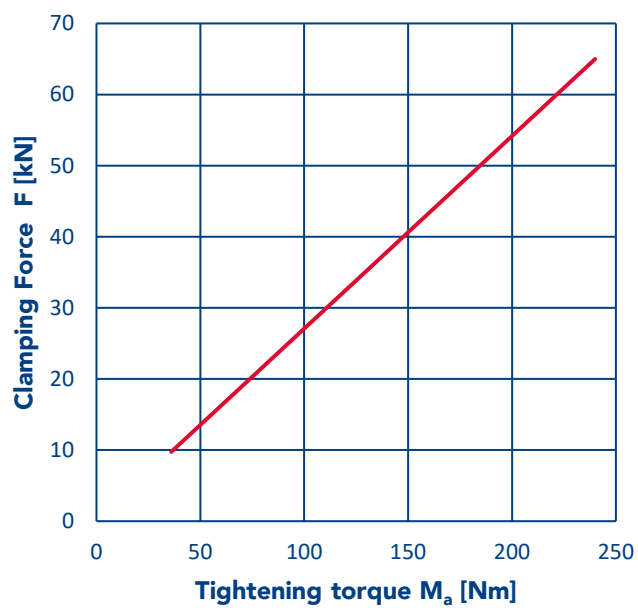
M_a max.	165 Nm
M_a min.	24.75 Nm
F max.	45 kN
F min.	6.75 kN

Torque range

VC-Series



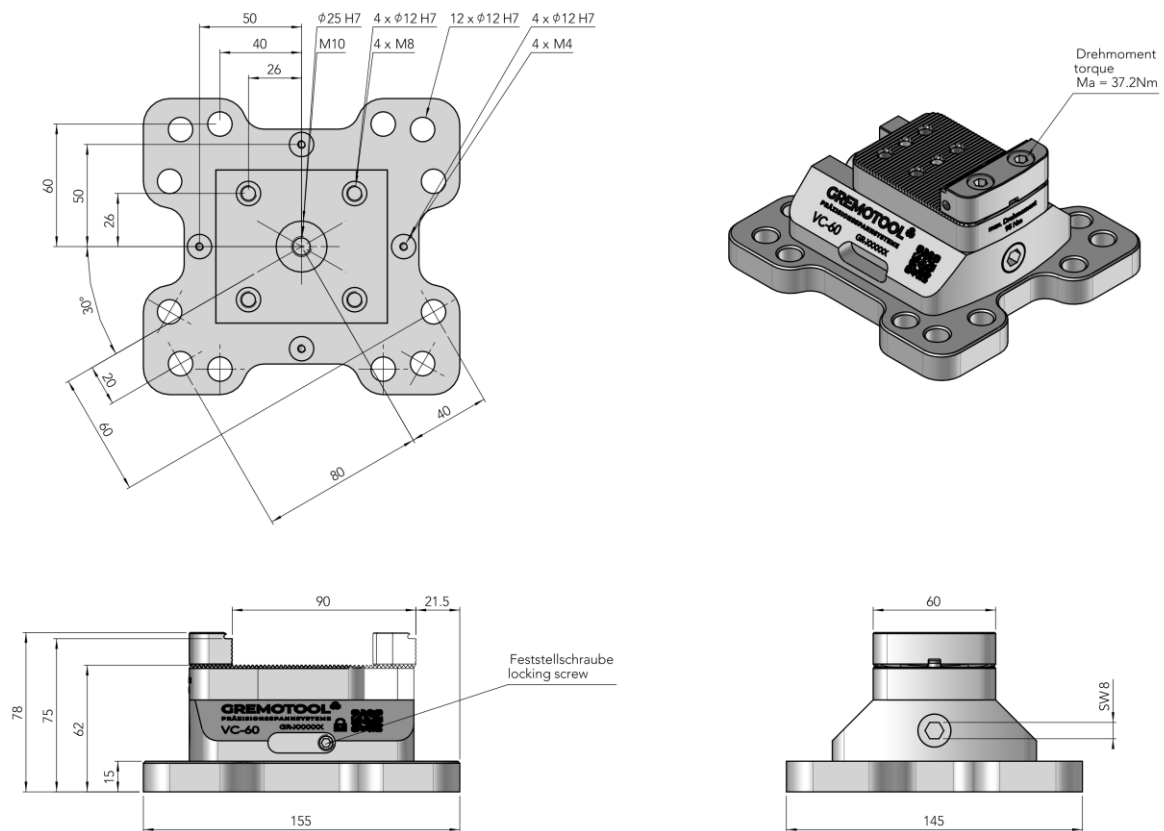
VC-100 / VC-120 / VC-150



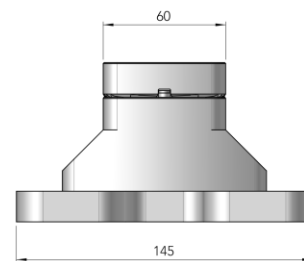
M_a max.	240 Nm
M_a min.	36 Nm
F max.	65 kN
F min.	9.75 kN

Dimension

VC-60 Clamping module 40mm grid

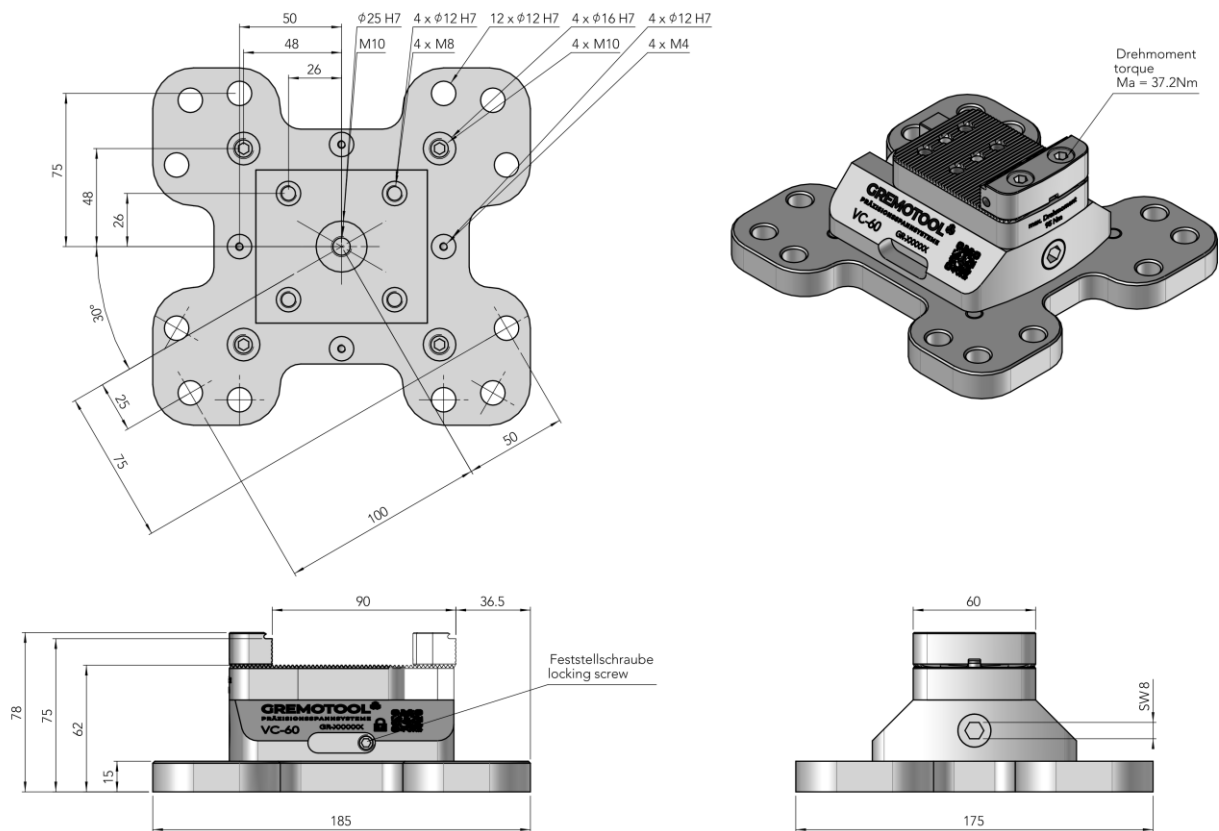


VC-60 Fixed module 40mm grid



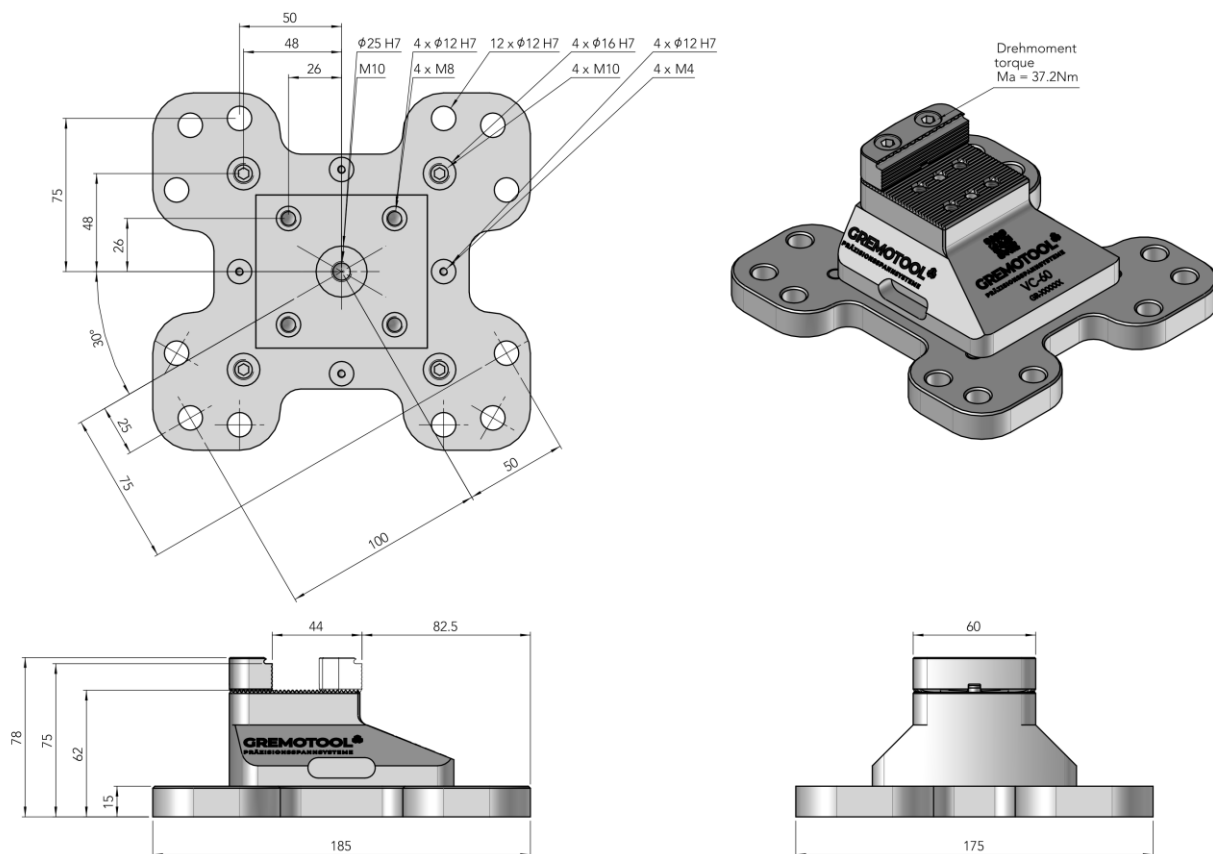
Dimension

VC-60 Clamping module 50mm grid



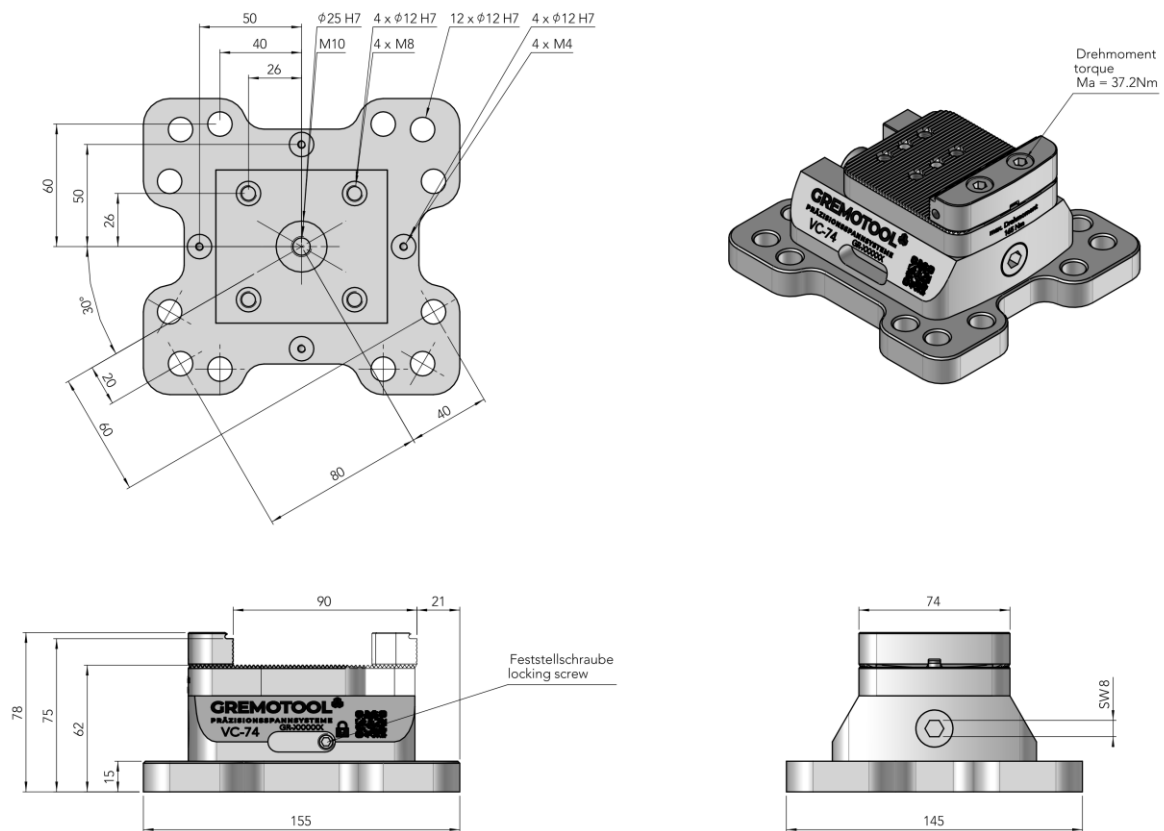
Dimension

VC-60 Fixed module 50mm grid



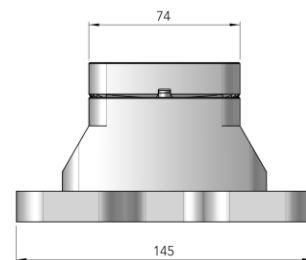
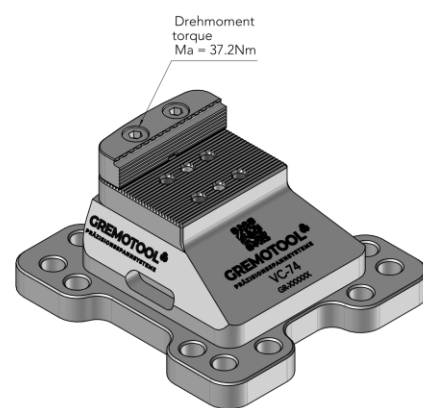
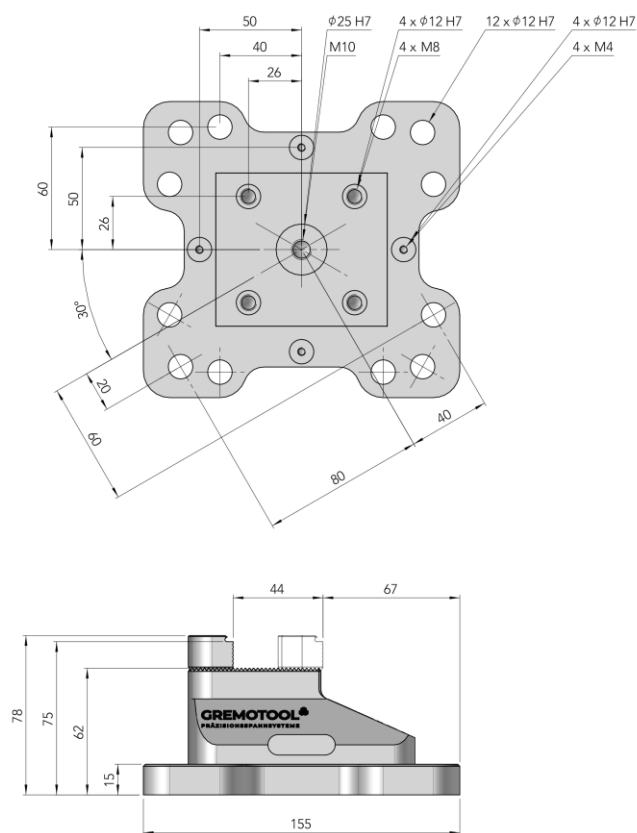
Dimension

VC-74 Clamping module 40mm grille



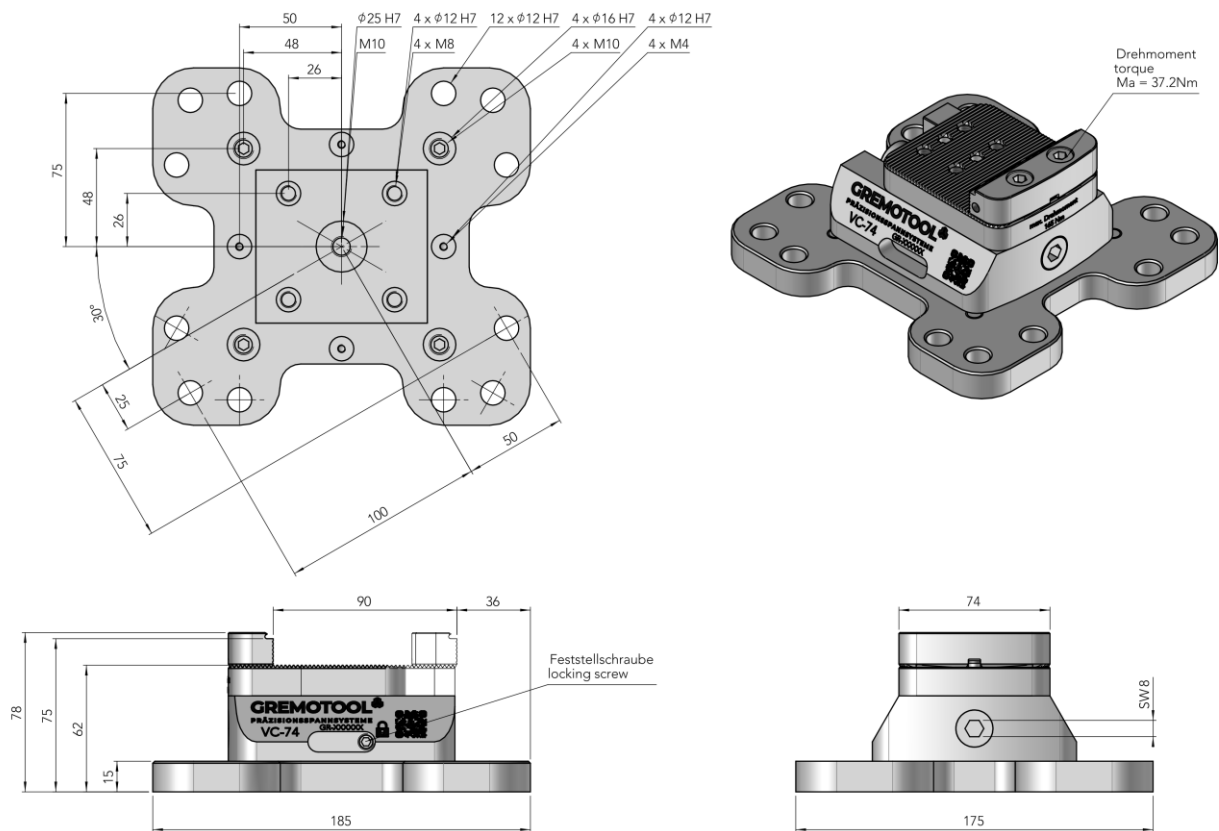
Dimension

VC-74 Fixed module 40mm grid



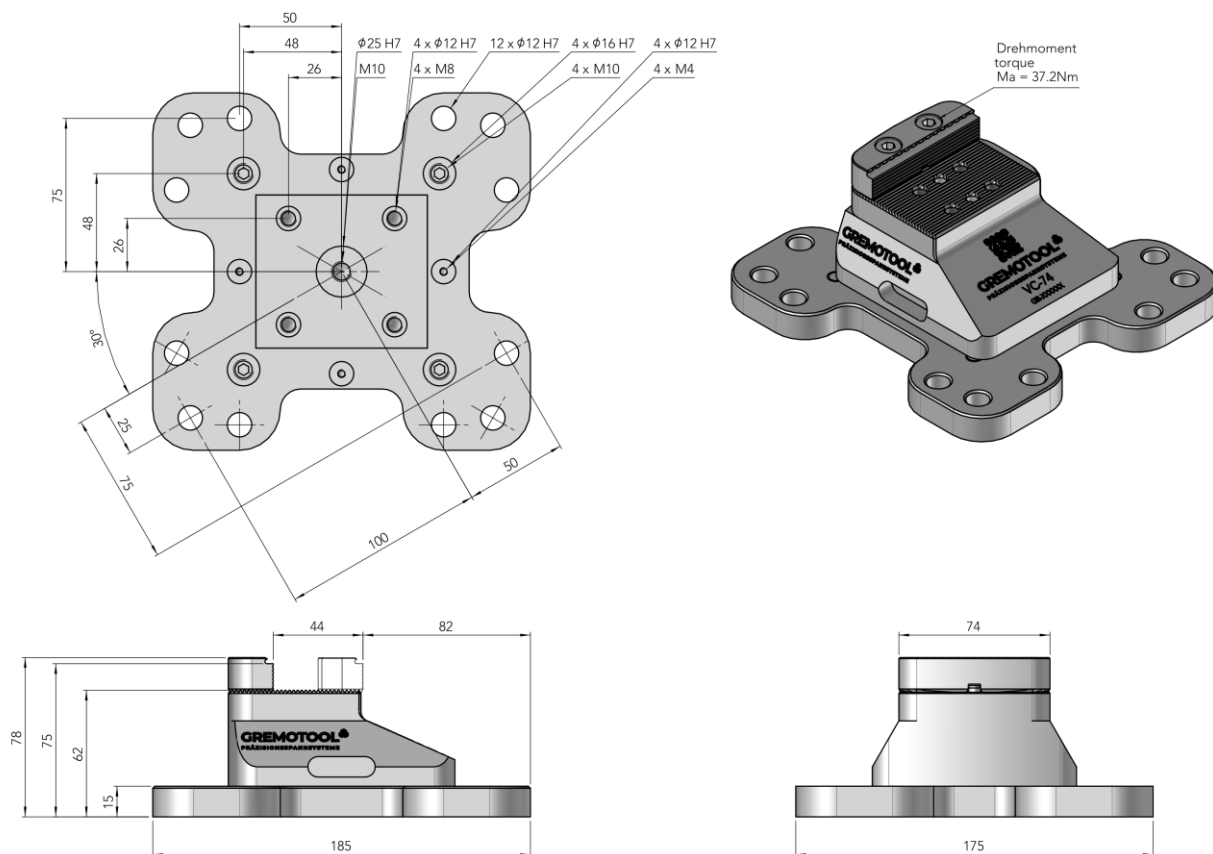
Dimension

VC-74 Clamping module 50mm grid



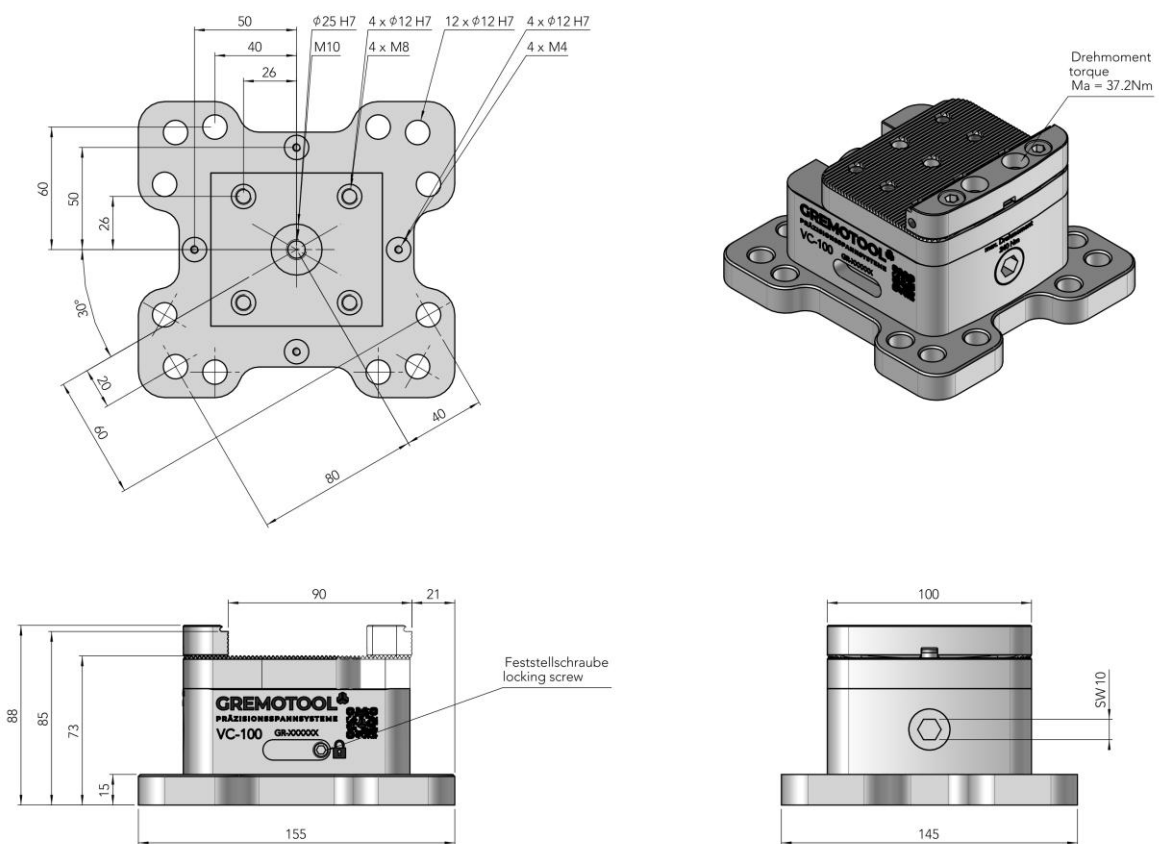
Dimension

VC-74 Fixed module 50mm grid



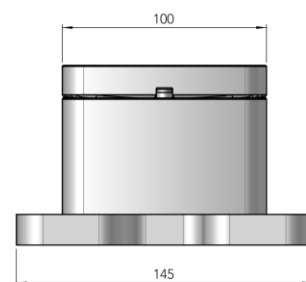
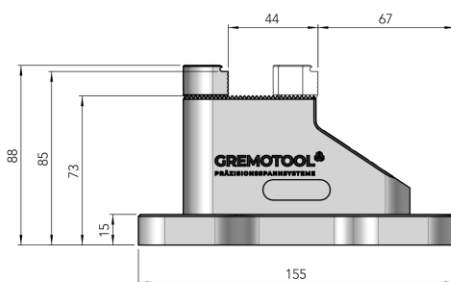
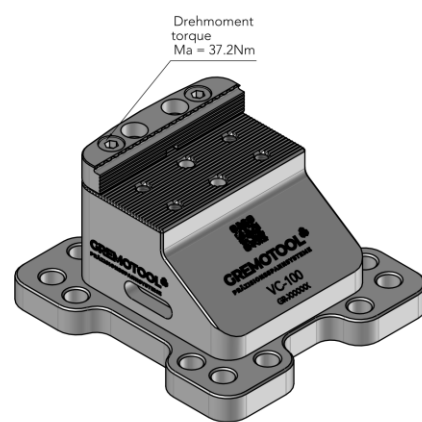
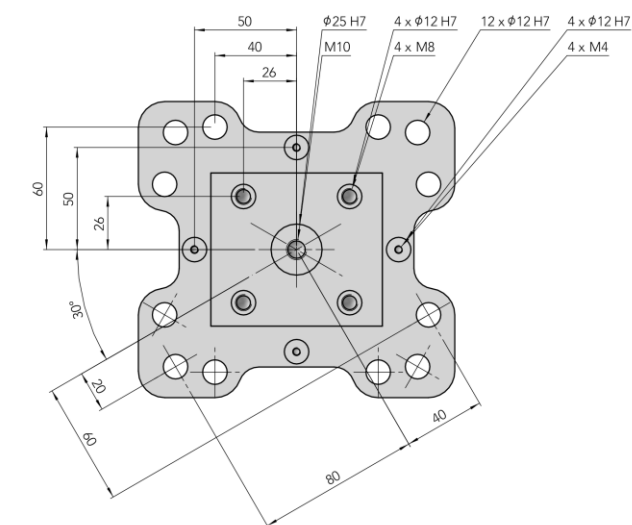
Dimension

VC-100 Clamping module 40mm grid



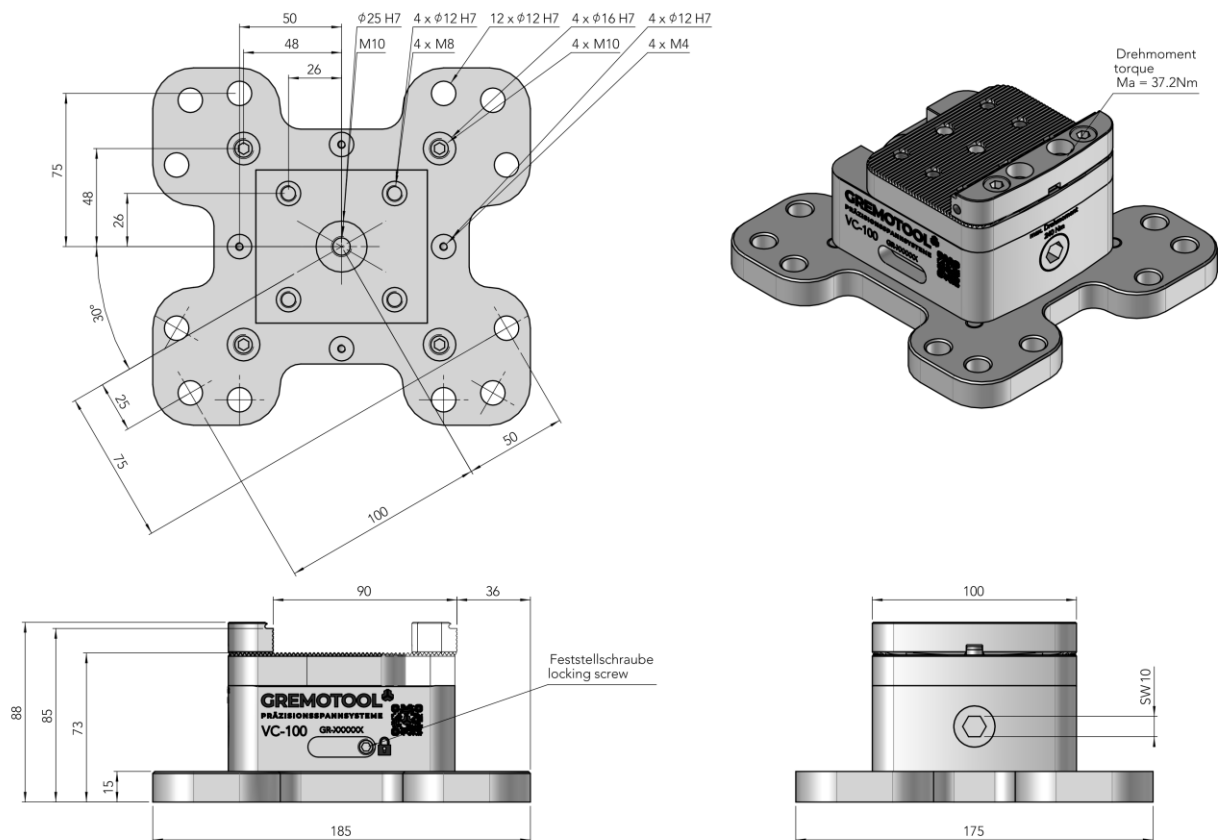
Dimension

VC-100 Fixed module 40mm grid

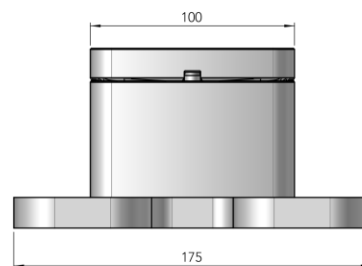


Dimension

VC-100 Clamping module 50mm grid

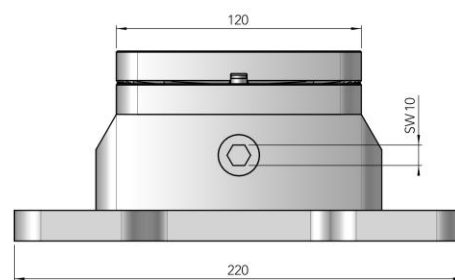
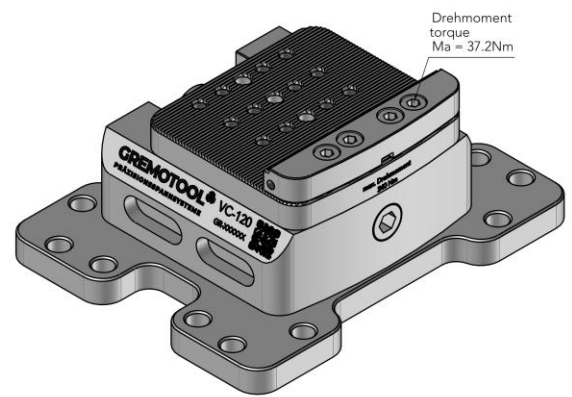
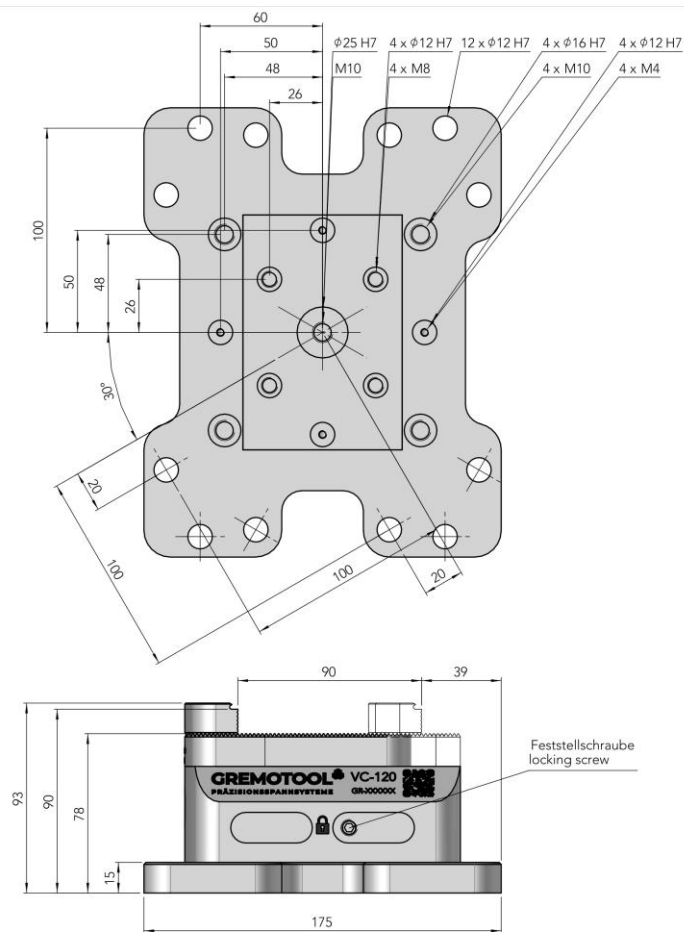


VC-100 Fixed module 50mm grid



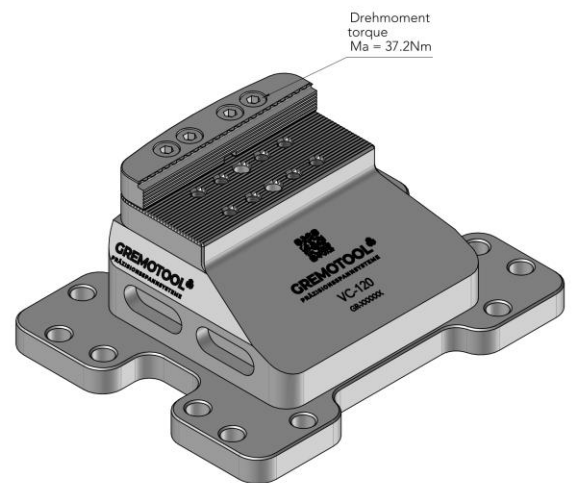
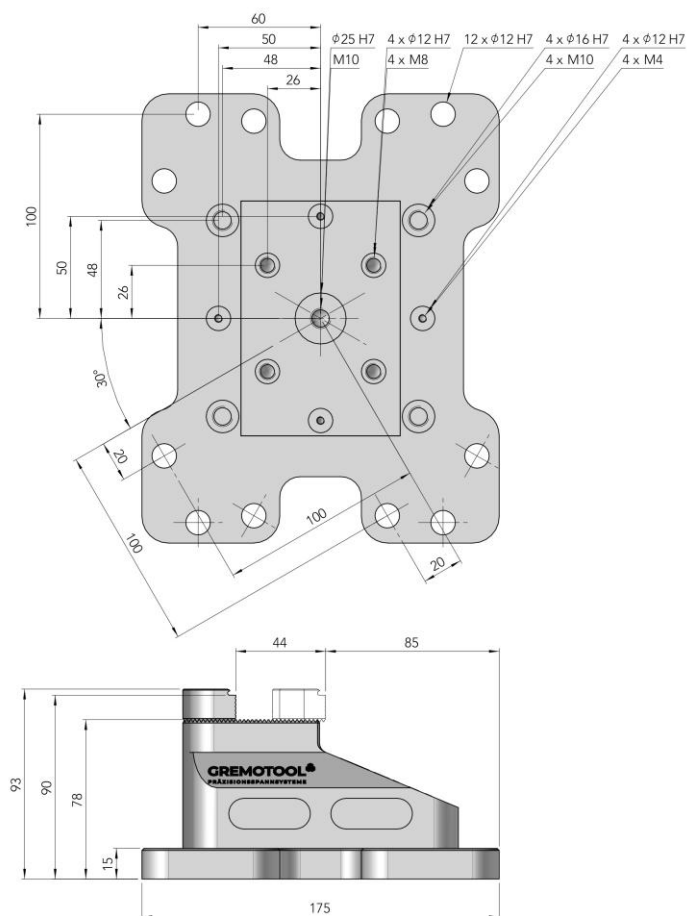
Dimension

VC-120 Clamping module 40mm grid

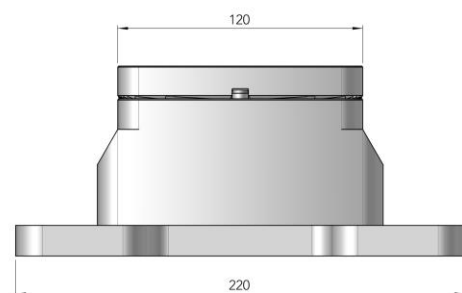


Dimension

VC-120 Fixed module 40mm grid

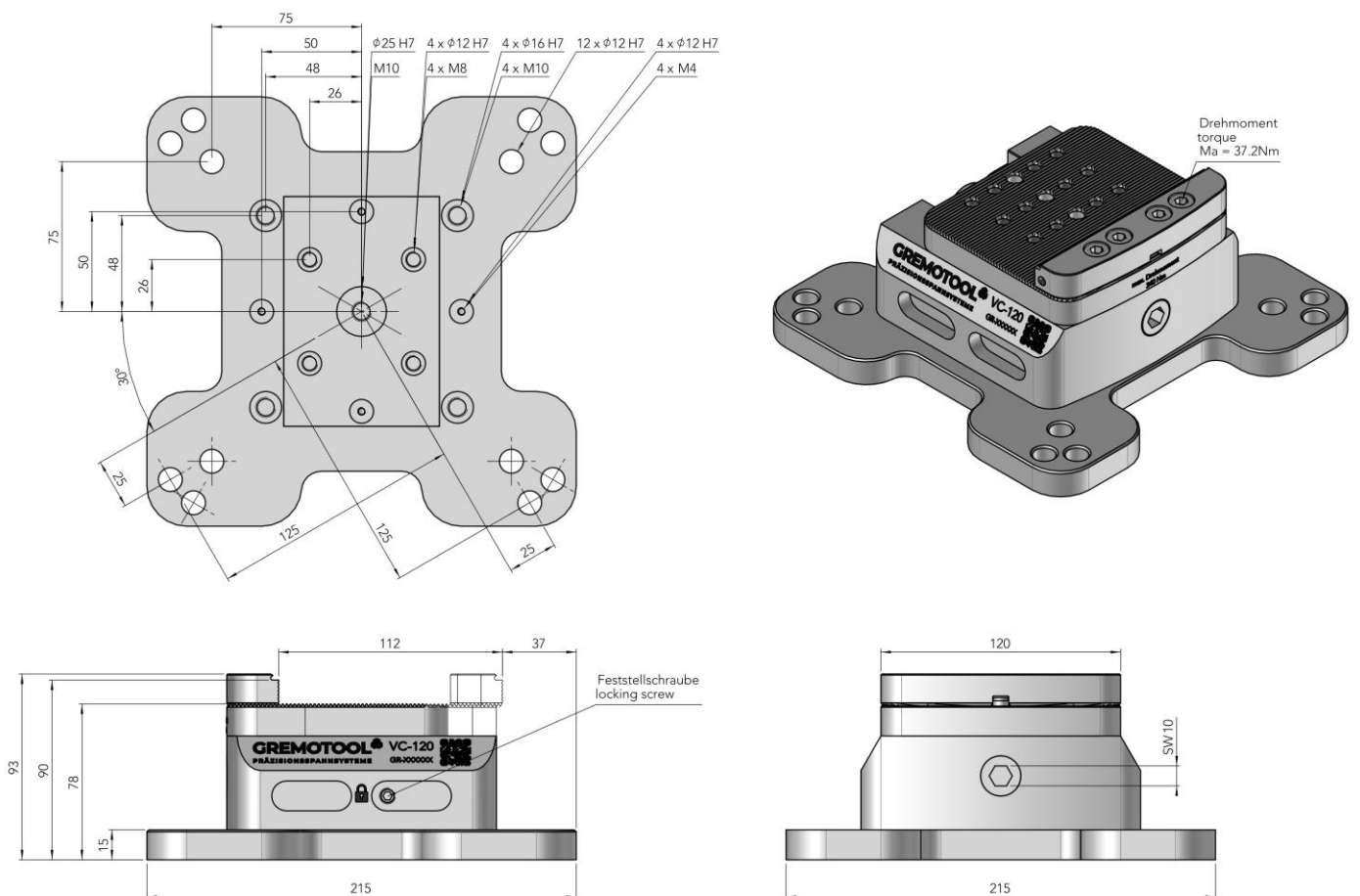


Drehmoment
torque
 $M_a = 37.2\text{Nm}$



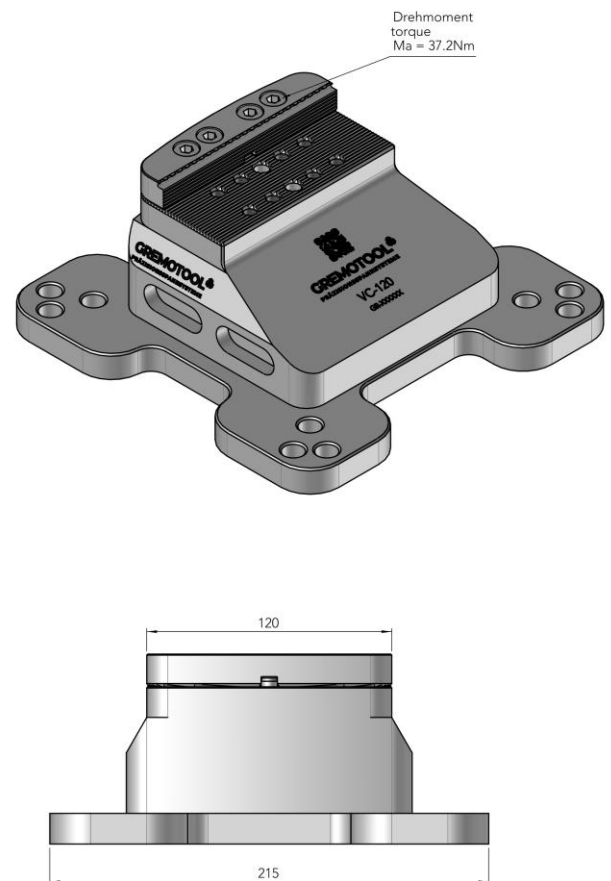
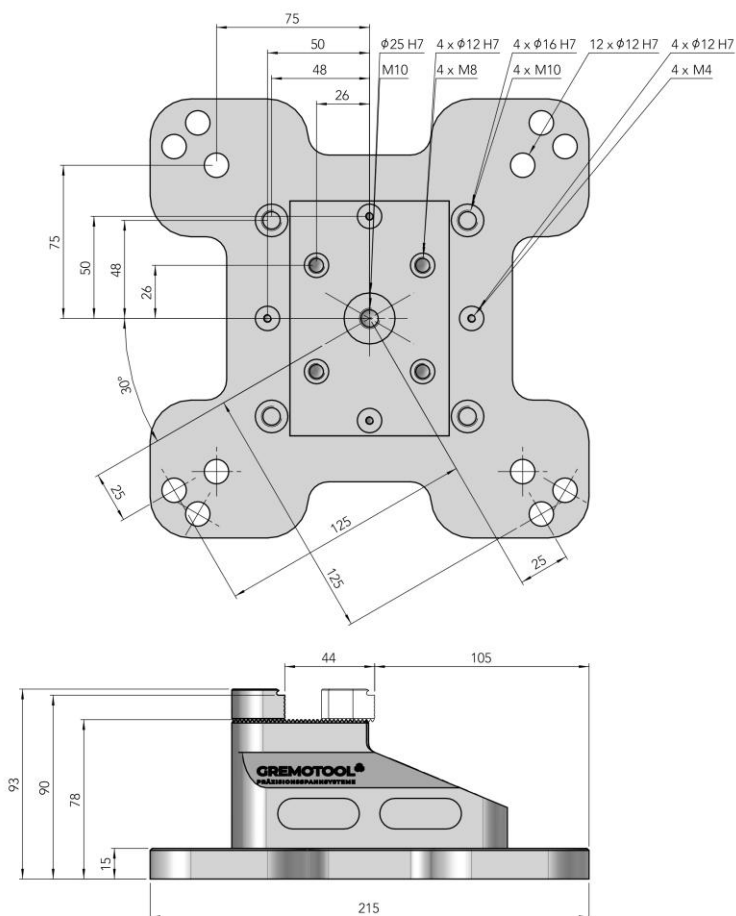
Dimension

VC-120 Clamping module 50mm grid



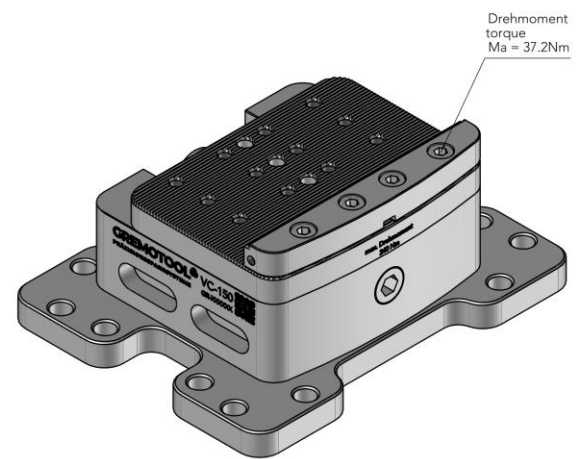
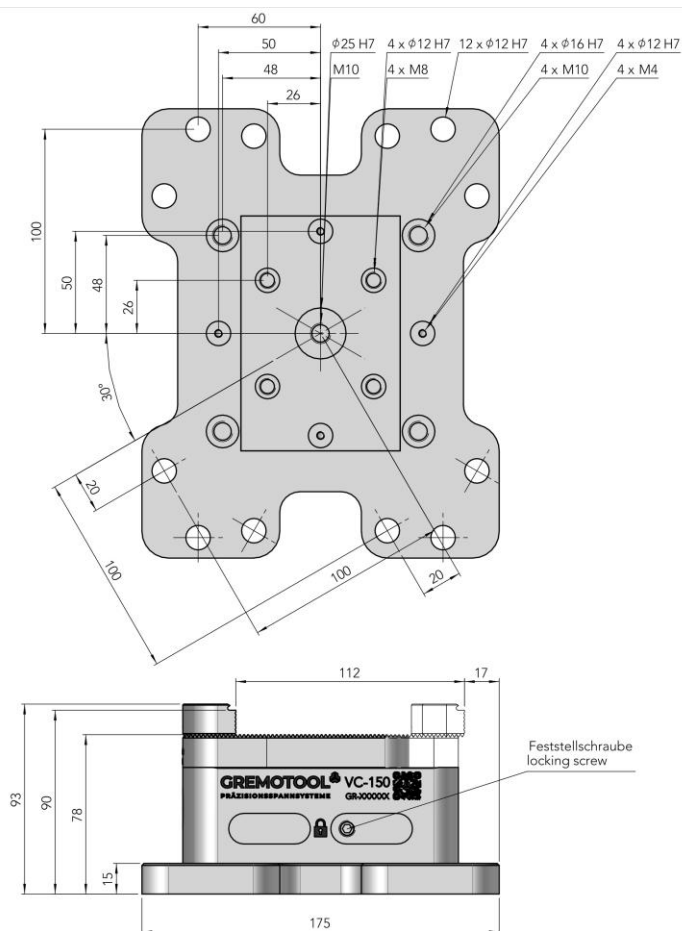
Dimensionen

VC-120 Fixed module 50mm grid

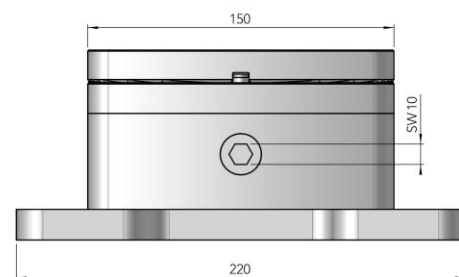


Dimension

VC-150 Clamping module 40mm grid

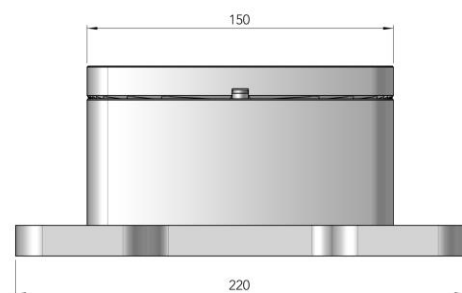
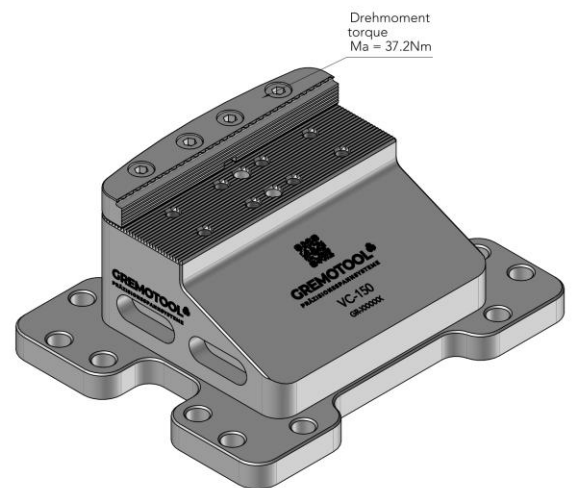
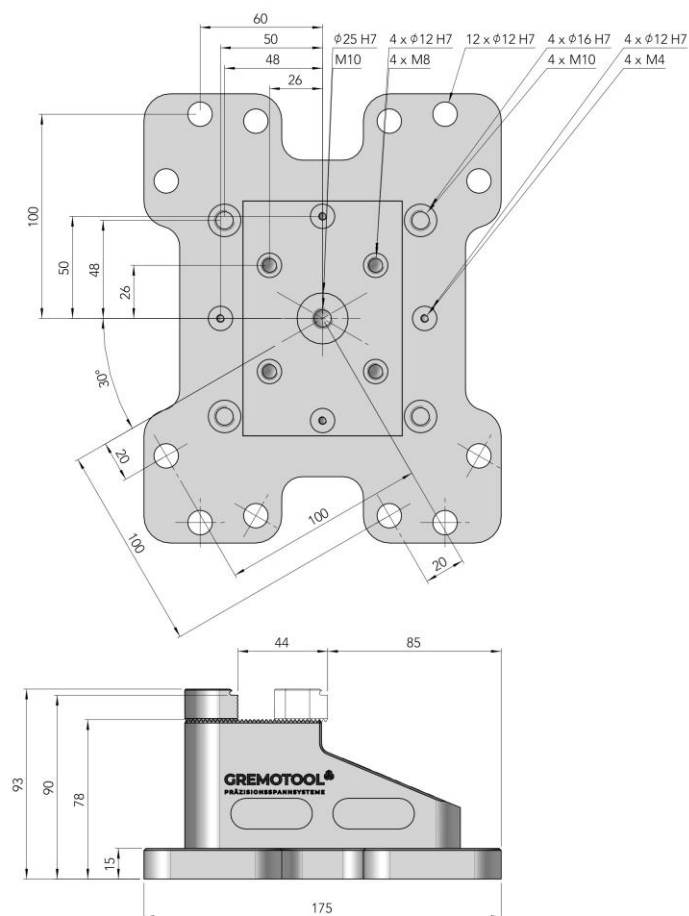


Drehmoment
torque
 $M_a = 37.2 \text{ Nm}$



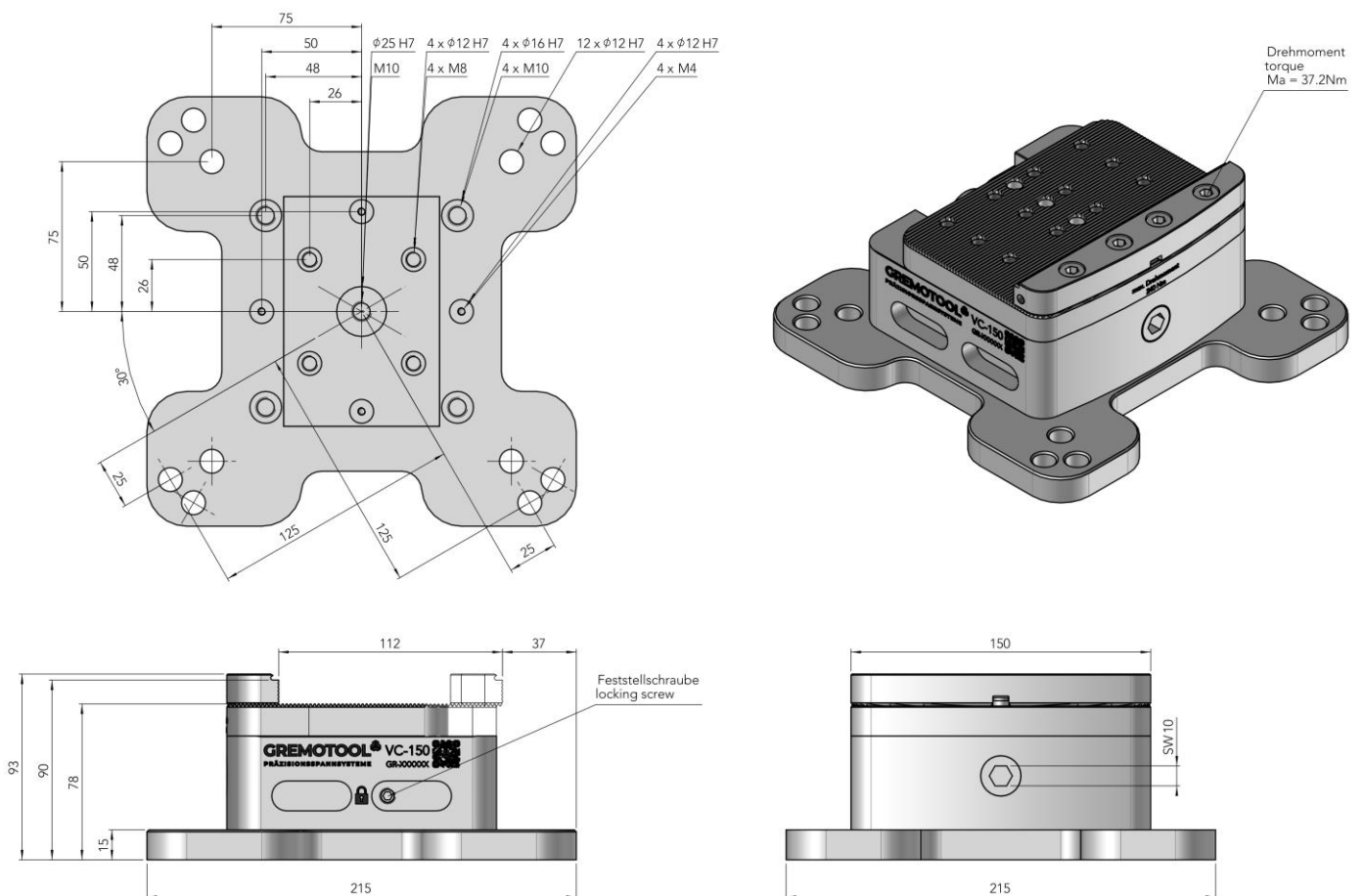
Dimension

VC-150 Fixed module 40mm grid



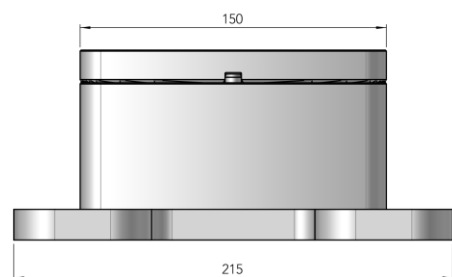
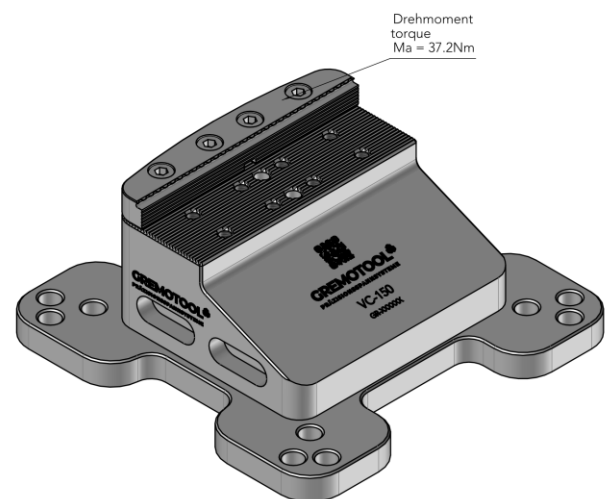
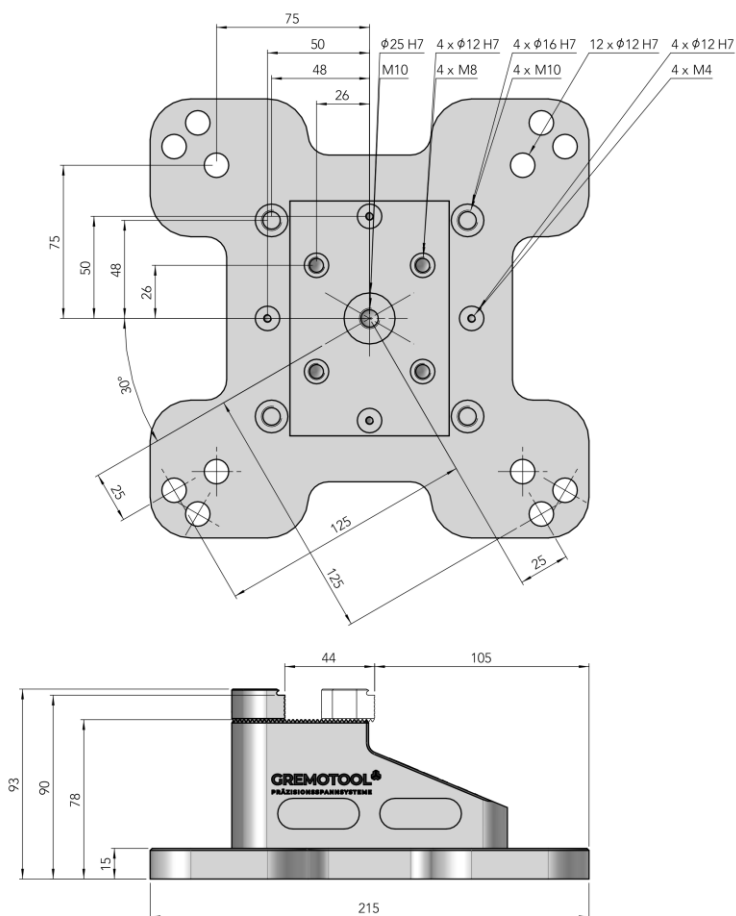
Dimension

VC-150 Clamping module 50mm grid



Dimension

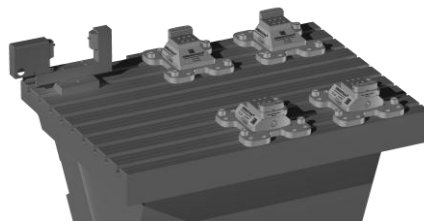
VC-150 Fixed module 50mm grid



Applications

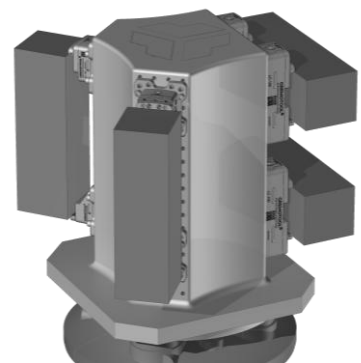
Fixture

The VC series is characterised by its flexibility in use. Thanks to the design, the two modules can be mounted independently of each other on different base plates or towers. This allows large panels or workpieces to be fixed without changing or converting the clamping device. The clamping modules can also be used for equalising clamping.



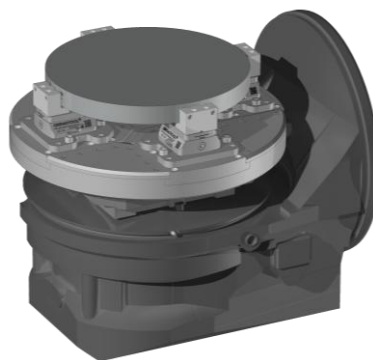
**Clamping
Device:**
Fixture:

**2x VC60
Table mounting**



**Clamping
Device:**
Fixture:

**2x VC-100
Perforated grid
tower**



**Clamping
Device:**
Fixture:

**2x VC-74
Milling-Turning
Base Plate**



**Clamping
Device:**
Fixture:

**2x VC-74
Perforated grid
plate**

Accessories

Jaws

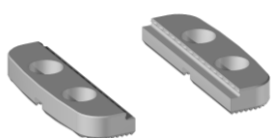
Pair of standard gripper jaws is supplied with each VersatileClamp, so, you are already able to clamp parts at no additional costs.

Jaw width [mm]		34	40	50	60	74	100	120	150
SC-LC Gripper jaw low	Nr. 837110			X	X	X	X	X	
Standard SC-LC Gripper jaw	Nr. 837150			X	X	X	X	X	
Standard PMC-HMC Gripper jaw	Nr. 837250			X	X	X	X	X	
Gripper jaw high	Nr. 837300			X	X	X	X	X	
Combi gripper jaw	Nr. 837350			X	X	X	X	X	
Gripper jaw high one sided	Nr. 837380			X	X	X	X	X	
Step jaw high one sided deep	Nr. 837400			X	X	X	X	X	
Step jaw low	Nr. 837410			X	X	X	X	X	
Step jaw	Nr. 837450			X	X	X	X	X	
Step jaw high one sided	Nr. 837480			X	X	X	X	X	
Prism jaw	Nr. 837500			X	X	X	X	X	
Soft jaw aluminium	Nr. 837702			X	X	X	X	X	
Soft jaw steel	Nr. 837703			X	X	X	X	X	

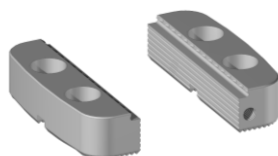
For the exact data of the jaws, please check the jaw catalogue.

Accessories

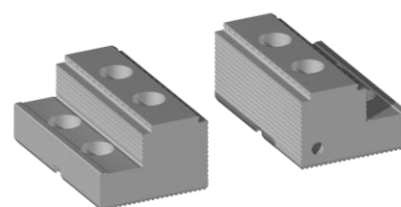
Jaws



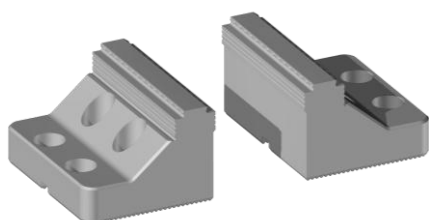
SC-LC Gripper jaw low
Nr. 837110-BXX



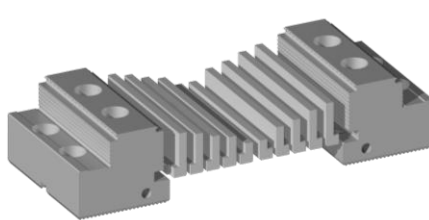
Standard SC-LC Gripper jaw
Nr. 837150-BXX



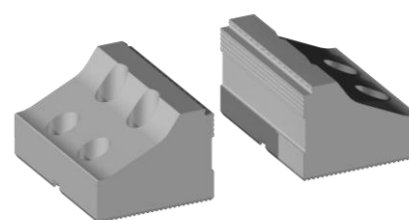
Standard PMC-HMC Gripper jaw
Nr. 837250-BXX



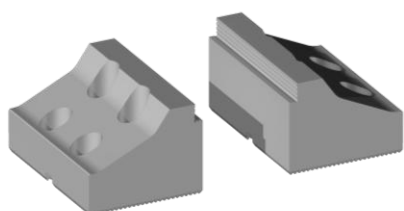
Gripper jaw high
Nr. 837300-BXX



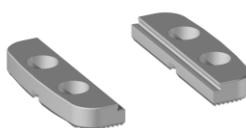
Combi gripper jaw
Nr. 837350-BXX



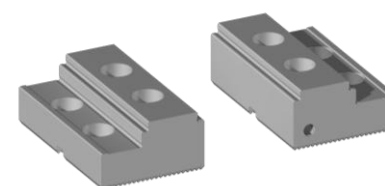
Gripper jaw high one-sided
Nr. 837380-BXX



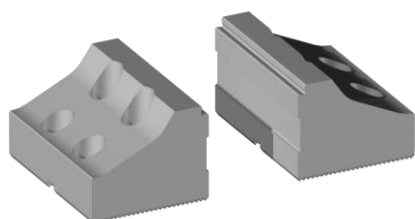
Step jaw high one sided deep
Nr. 837400-BXX



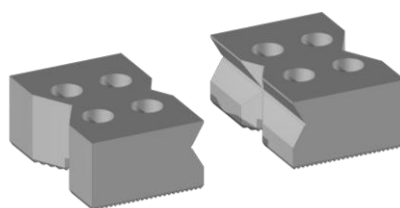
Step jaw low
Nr. 837410-BXX



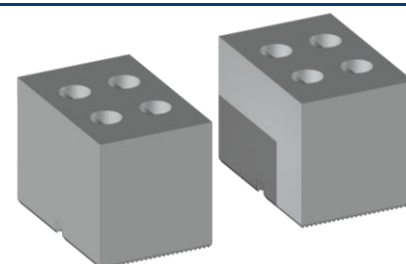
Step jaw
Nr. 837450-BXX



Step jaw high one-sided
Nr. 837480-BXX



Prism jaw
Nr. 837500-BXX



Soft jaw aluminium / steel
Nr. 837702-BXX / 837703-BXX



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