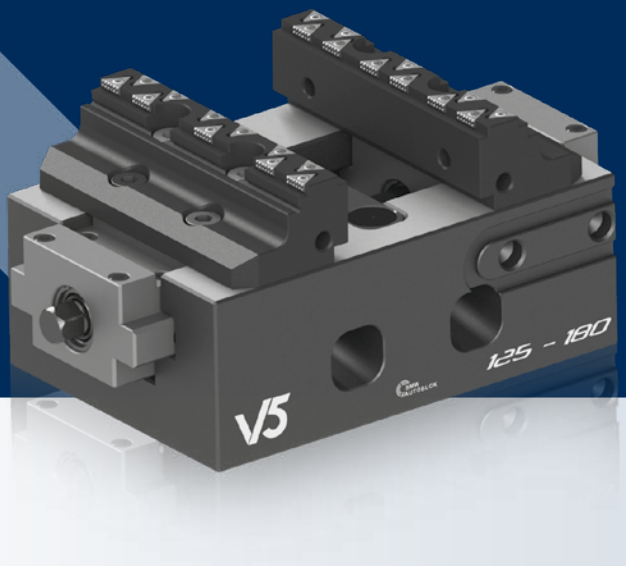
5 axis



V5

Self-centering vice for 5-axis machines



V5 88-130

Page 5.2.4



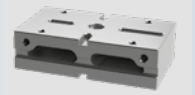
V5 125-180

Page 5.2.5



V5
Alu pyramid

Page 5.2.6



V5
Accessories

Page 5.2.7



V5
Working example

Page 5.2.8

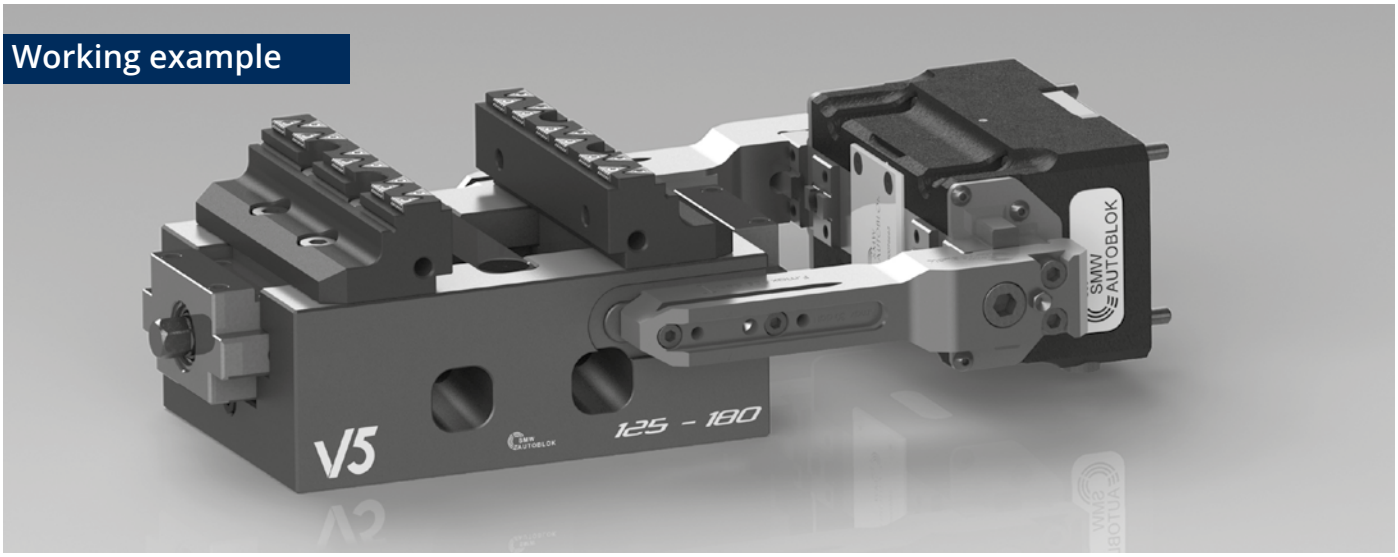
V5

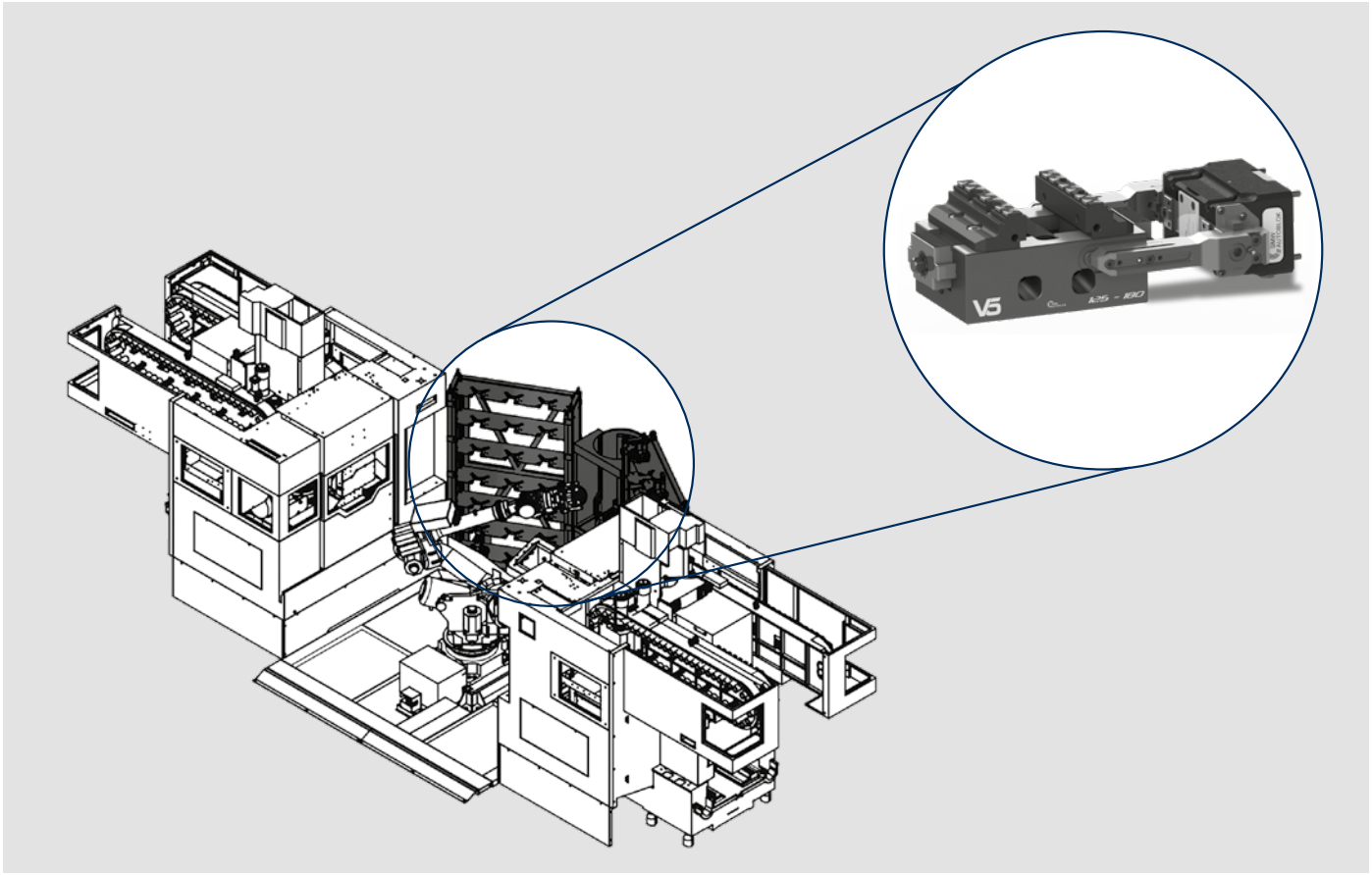
Self-centering vice for 5-axis machines



The self-centering **only** V5 vice is added to the IMG range with an excellent quality-price ratio, ideal for multi-vice integrated automation systems.

Working example





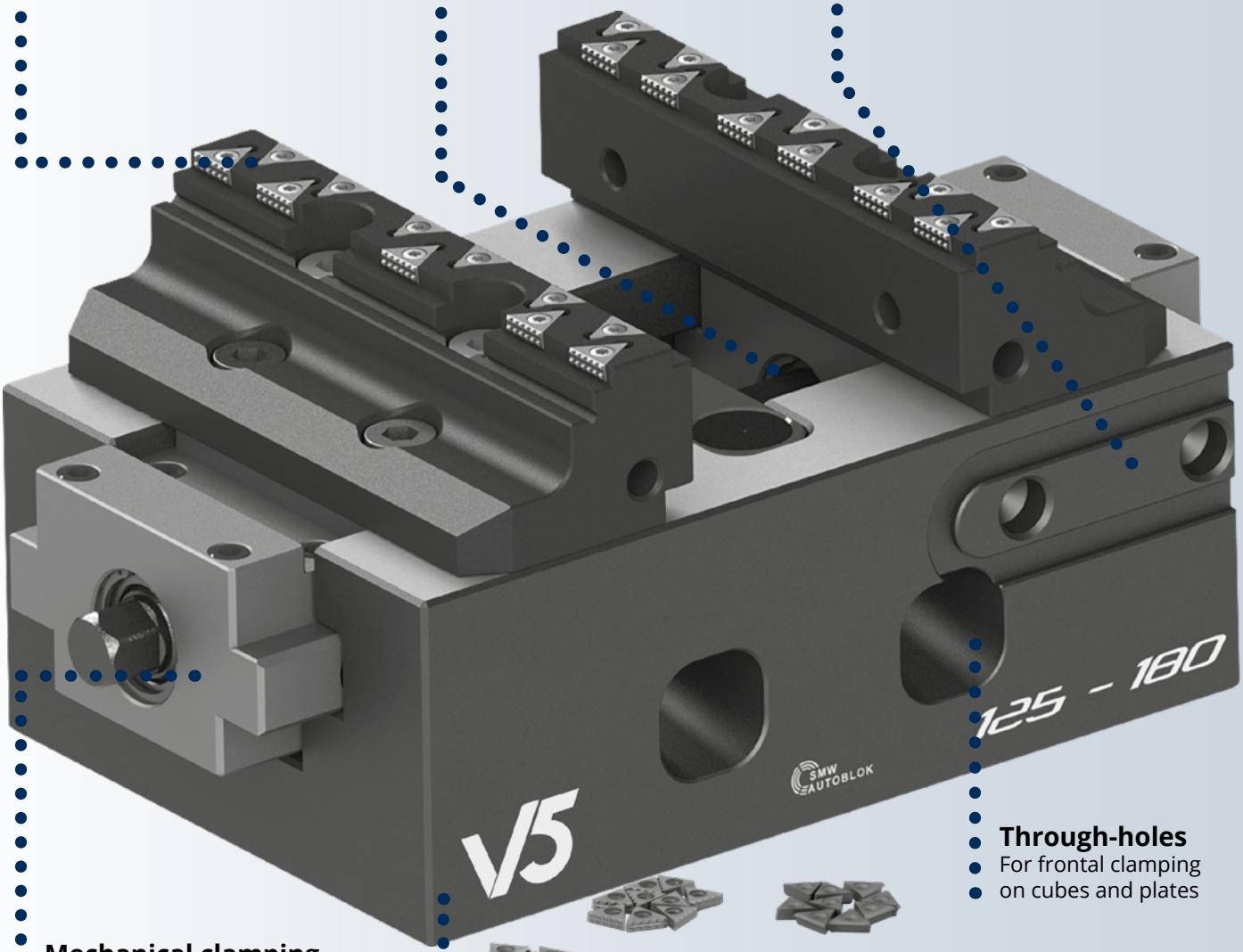
V5

Self-centering vice for 5-axis machines

SinterGrip jaws:
Reversible jaws for minimum clamping depth and without pre-machining

Totally protected screw

Ideal
For automation and palletizing systems



Through-holes
For frontal clamping on cubes and plates

Mechanical clamping
Totally protected screw.
The large power transmission allows high performance in the manufacturing process

Interface
For Zero Point clamping systems and Plus5 52 / 96

V5 BASIC

Basic jaws, without Sintergrip inserts



V5 88 - 130

V5 - Self-centering vice for 5-axis machines

■ **Patented protected screw**



Applications / Customer Benefits

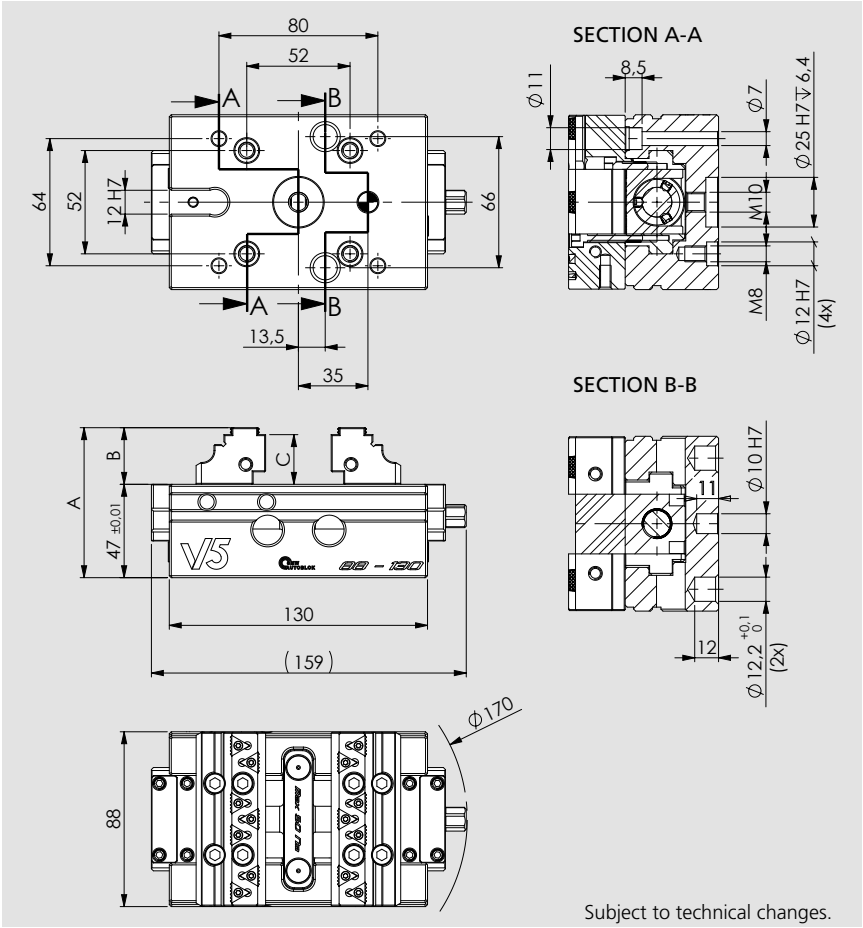
- Highly precise **only** self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

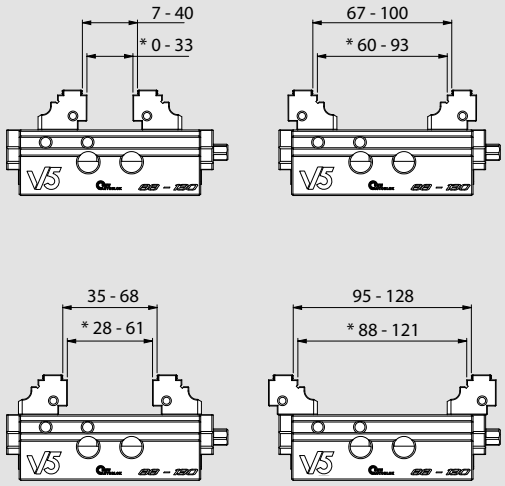
- Self-centering clamping
- Clamping force up to 32 kN (50 Nm)
- Jaw width 87,5 mm
- Interface for Zero Point system APS / TDM and Plus5 52
- Through-holes for frontal clamping on cubes and plates
- **The jaws for V5 88 are compatible with IMG 88**

Standard equipment

Wrench, jaws, nr. 10 Sintergrip inserts.



Subject to technical changes.



* Opening with smooth jaws
Valid dimensions fot both SinterGrip and Basic type

Subject to technical changes.

Type	Id. No.	A	B	C	Weight
V5 88 - 130 with SinterGrip jaws **STD**	77583303	75,5	28,5	25	4,5 Kg
V5 88 - 130 with SinterGrip jaws **HRC**	77583304	75,5	28,5	25	4,5 Kg
V5 88 - 130 with SinterGrip jaws **ALU**	77583305	75,5	28,5	25	4,5 Kg
V5 88 - 130 with SinterGrip jaws **PLM** (for polymer materials)	77583306	75,5	28,5	25	4,5 Kg
V5 88 - 130 H1* with SinterGrip jaws **STD**	77583303H1	65,5	18,5	15	4,5 Kg
V5 88 - 130 H1* with SinterGrip jaws **HRC**	77583304H1	65,5	18,5	15	4,5 Kg
V5 88 - 130 H1* with SinterGrip jaws **ALU**	77583305H1	65,5	18,5	15	4,5 Kg
V5 88 - 130 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583306H1	65,5	18,5	15	4,5 Kg
V5 88 - 130 **Basic**	77583302	75,5	28,5	25	4,5 Kg
V5 88 - 130 H1* **Basic**	77583302H1	65,5	18,5	15	4,5 Kg
V5 88 - 130 body only	77583301	-	-	-	3,5 Kg

* Compatible in height with other vices on the market

V5 125 - 180



Applications / Customer Benefits

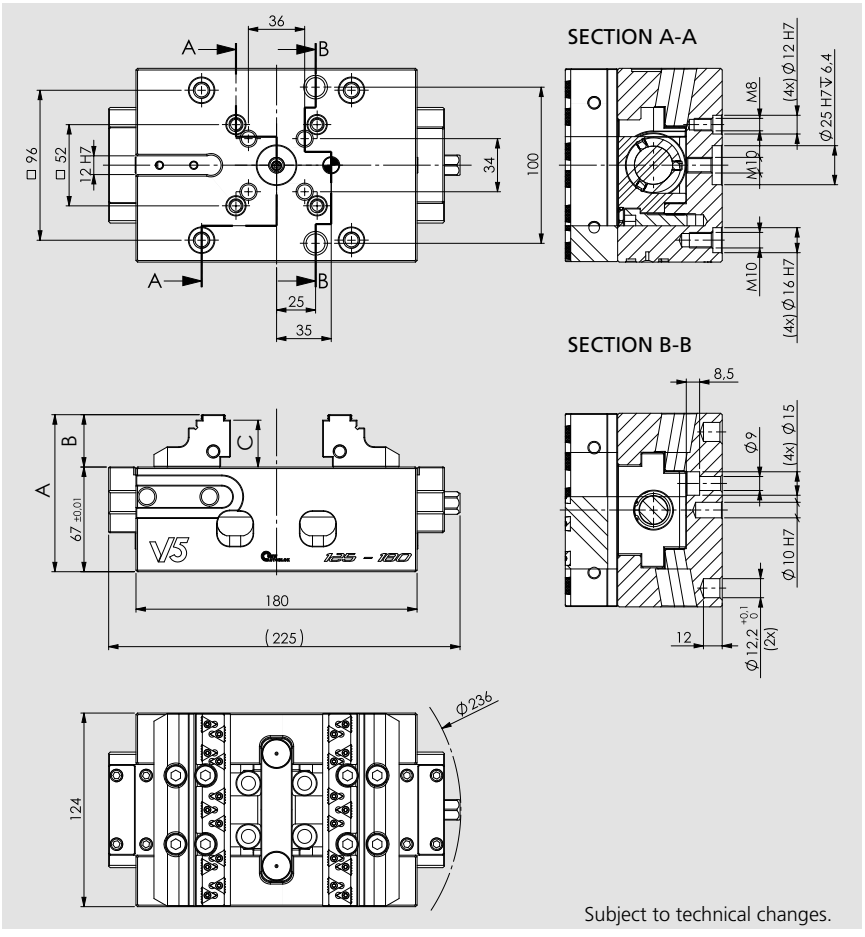
- Highly precise **only** self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Wide clamping range
- Ideal for OP 10 and OP 20

Technical features

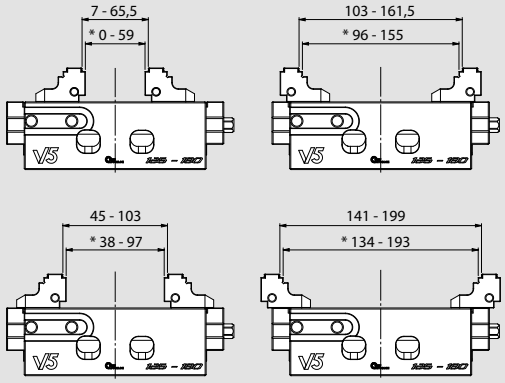
- Self-centering clamping
- Clamping force up to 40 kN (80 Nm)
- Jaw width 125 mm
- Interface for Zero Point system APS / TDM and Plus 5 52 - 96
- Through-holes for frontal clamping on cubes and plates
- **The jaws for V5 125 are compatible with IMG 125.**

Standard equipment

Wrench, jaws, nr. 10 Sintergrip inserts.



Subject to technical changes.



* Opening with smooth jaws
Valid dimensions fot both SinterGrip and Basic type

Subject to technical changes.

Type	Id. No.	A	B	C	Weight
V5 125 - 180 with SinterGrip jaws **STD**	77583333	100,5	33,5	30	12 Kg
V5 125 - 180 with SinterGrip jaws **HRC**	77583334	100,5	33,5	30	12 Kg
V5 125 - 180 with SinterGrip jaws **ALU**	77583335	100,5	33,5	30	12 Kg
V5 125 - 180 with SinterGrip jaws **PLM** (for polymer materials)	77583336	100,5	33,5	30	12 Kg
V5 125 - 180 H1* with SinterGrip jaws **STD**	77583333H1	89,5	22,5	19	12 Kg
V5 125 - 180 H1* with SinterGrip jaws **HRC**	77583334H1	89,5	22,5	19	12 Kg
V5 125 - 180 H1* with SinterGrip jaws **ALU**	77583335H1	89,5	22,5	19	12 Kg
V5 125 - 180 H1* with SinterGrip jaws **PLM** (for polymer materials)	77583336H1	89,5	22,5	19	12 Kg
V5 125 - 180 **Basic**	77583332	100,5	33,5	30	12 Kg
V5 125 - 180 H1* **Basic**	77583332H1	89,5	22,5	19	12 Kg
V5 125 - 180 body only	77583331	-	-	-	10 Kg

* Compatible in height with other vices on the market

V5

Alu pyramid for V5 88-130 / 125-180



Applications / Customer Benefits

- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with radial slots at 45 / 60 degrees
- Possibility to be mounted directly on APS Zero Point system and Plus5

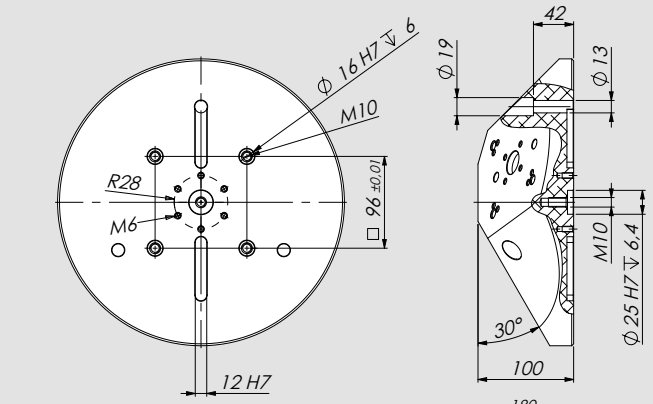
Technical features

- Material: ALU

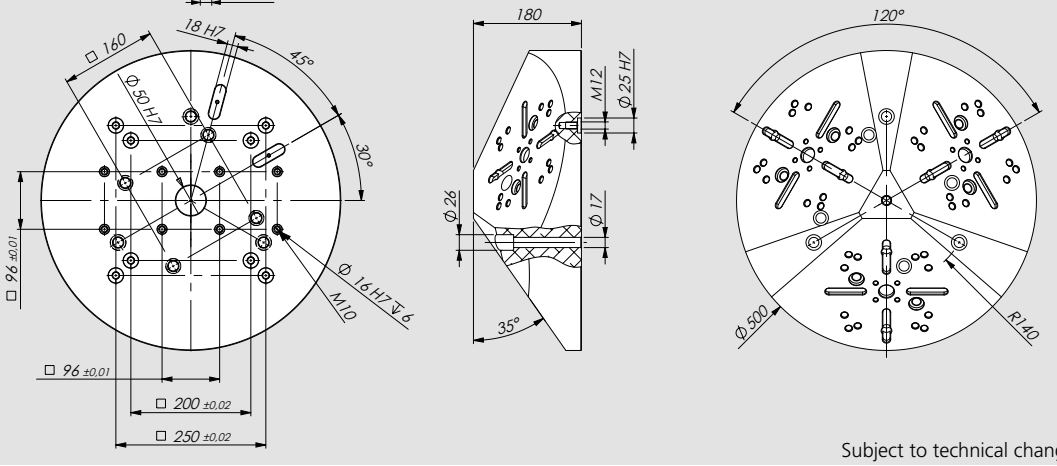
Standard equipment

Positioning keys and screws for IMG, V5 and E5 vises
Pins and screws

IMG 88 - 130
V5 88 - 130
E5 88 - 130
PLUS 5 - 52



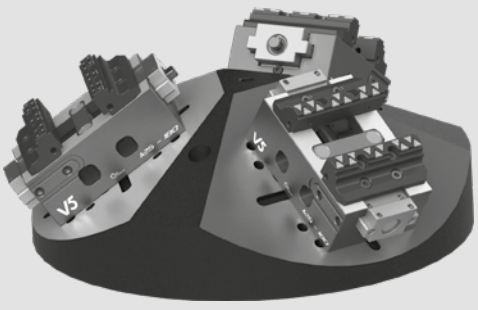
IMG 125 - 180
IMG 125 - 220
V5 125 - 180
E5 125 - 180
PLUS 5 - 96



Subject to technical changes.

Type	Id. No.	Weight (Kg)
For IMG, V5, E5 88-130 and PLUS 5 - 52	58343210	12
For IMG 125-180, IMG 125-220, V5, E5 125-180 and PLUS 5 - 96	58353210	55

Application example



Riser



Applications / Customer Benefits

- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with T slots
- Possibility to be mounted directly on single plate or DUO APS (pitch 200)

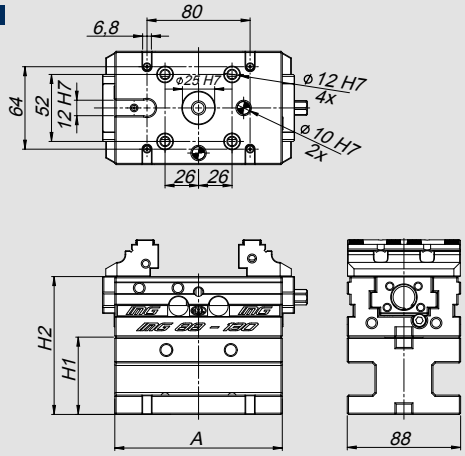
Technical features

- Material: steel

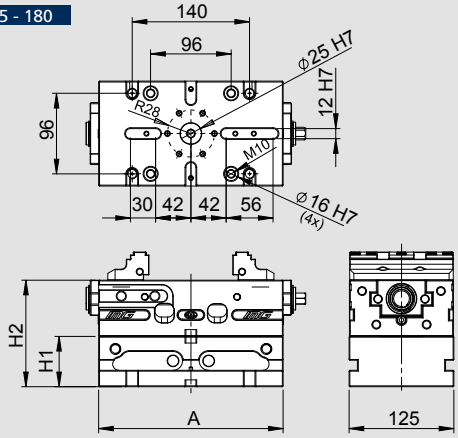
Standard equipment

On request: Positioning keys for IMG / APS pins / Positioning keys for machine tool

V5 88 - 130

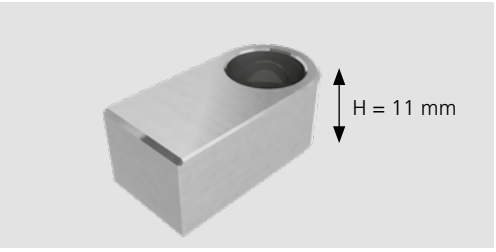


V5 125 - 180



Type	Id. No.	H1	H2	A	Weight
For V5 88 - 130	58342018	60	107	130	4 Kg
For V5 88 - 130	58342028	100	207	130	6 Kg
For V5 125 - 180	58352017	60	124	180	8 Kg
For V5 125 - 180	58352027	100	147	180	12 Kg

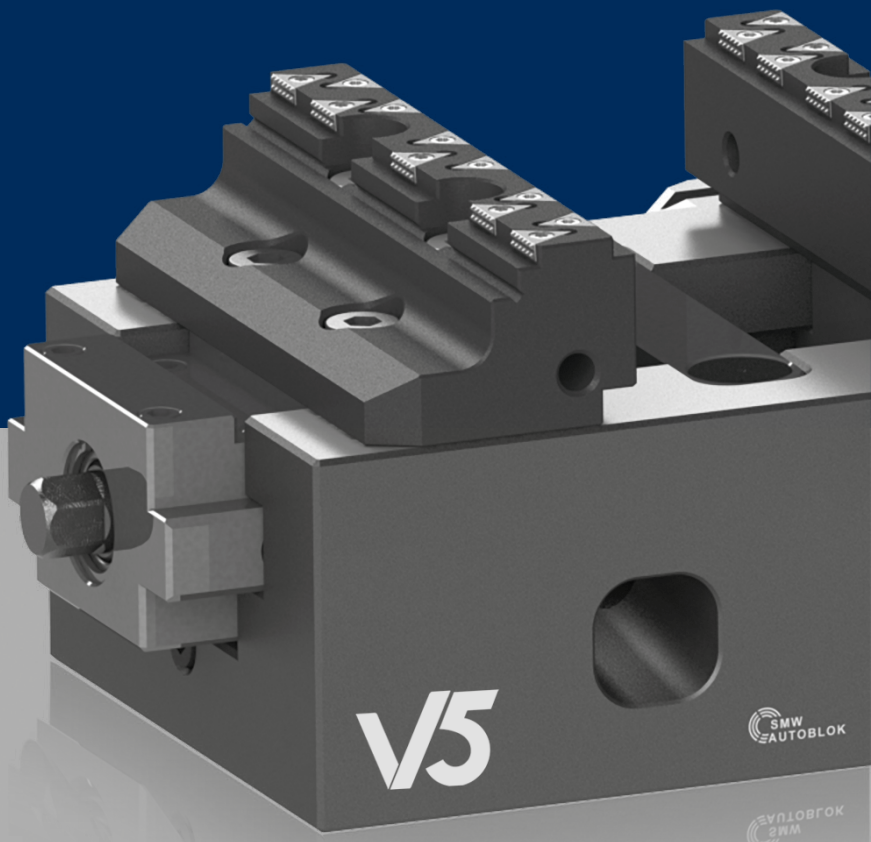
Key for single use on APS 140 (vice body side)



Type	Id. No.
V5 88	58351312
V5 125	

V5

Self-centering vice for 5-axis machines



Self-centering vice for 5-axis machines

