

**5**  
axis



**V5**

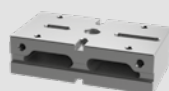
5.2

**Self-centering vice  
for 5-axis machines**



**V5 88-130**

**Page** 5.2.4



**V5**

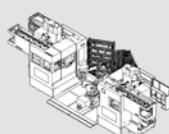
Accessories

**Page** 5.2.7



**V5 125-180**

**Page** 5.2.5



**V5**

Working example

**Page** 5.2.8



**V5**

Alu pyramid

**Page** 5.2.6

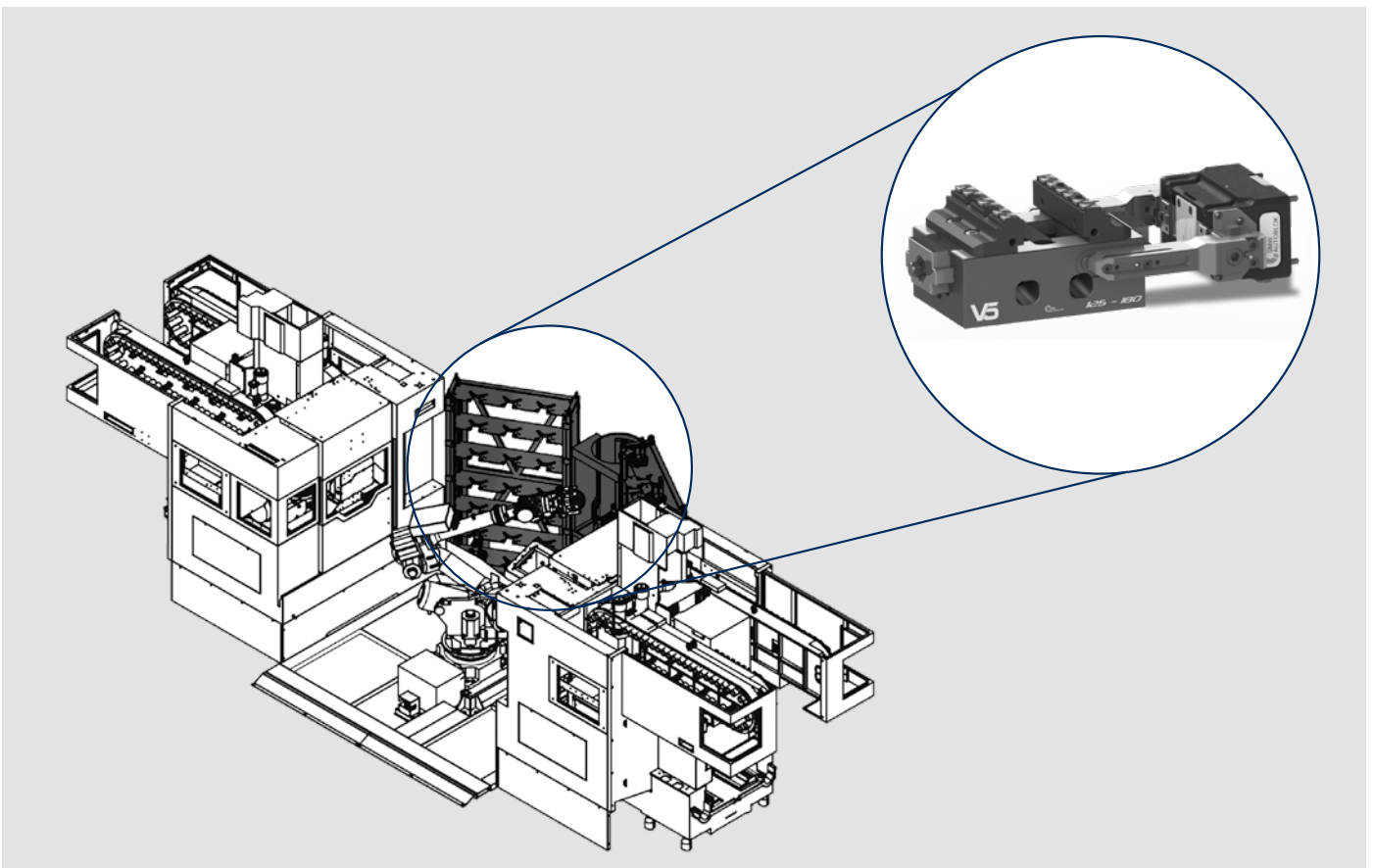
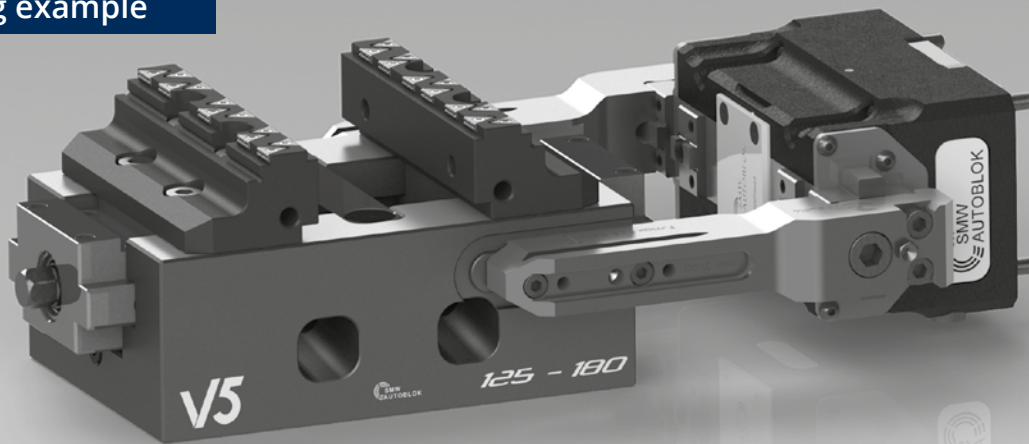
# V5

## Self-centering vice for 5-axis machines

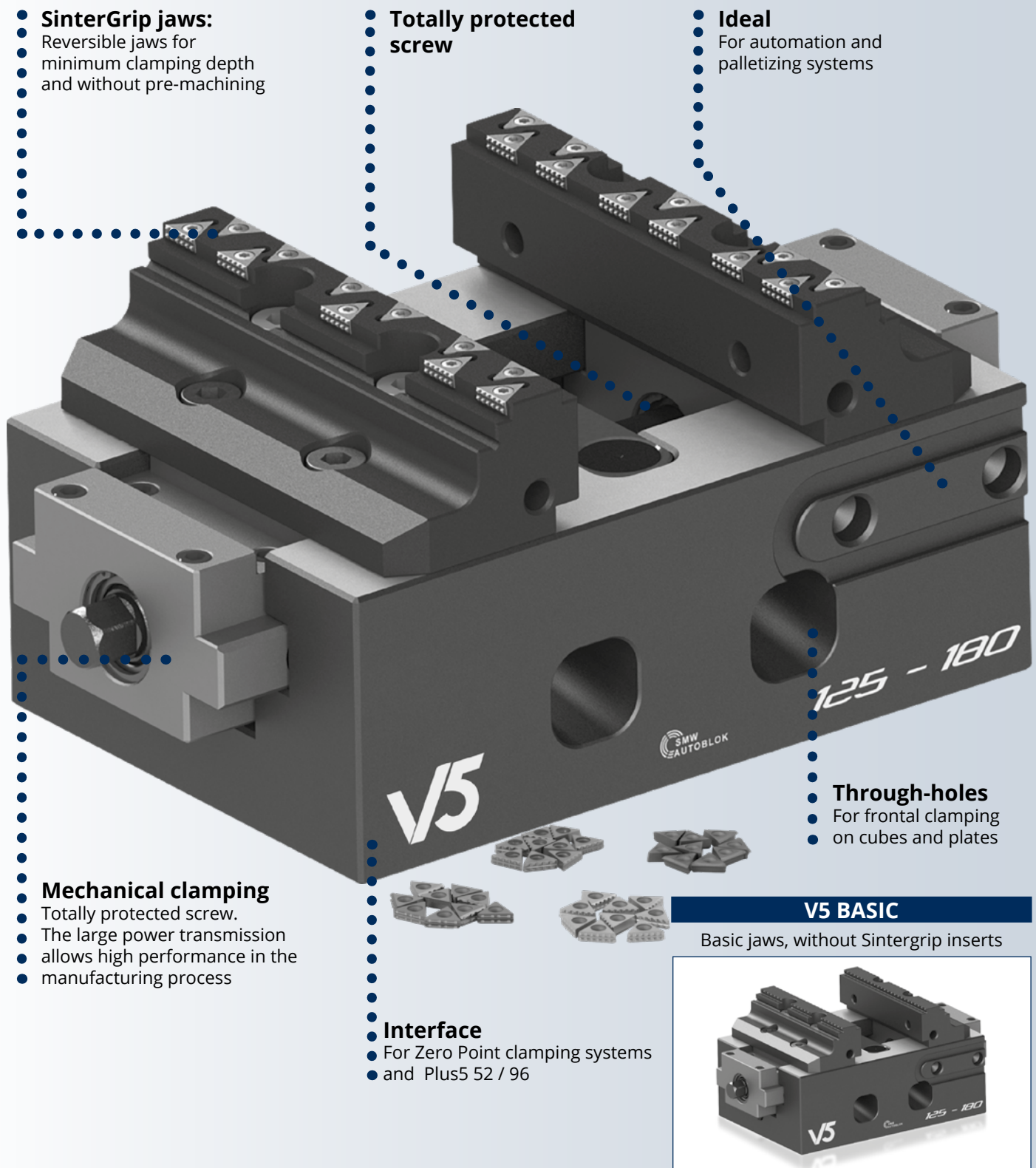


The self-centering **only** V5 vice is added to the IMG range with an excellent quality-price ratio, ideal for multi-vice integrated automation systems.

### Working example



## Self-centering vice for 5-axis machines



# V5 88 - 130

## V5 - Self-centering vice for 5-axis machines

■ Patented protected screw



### Applications / Customer Benefits

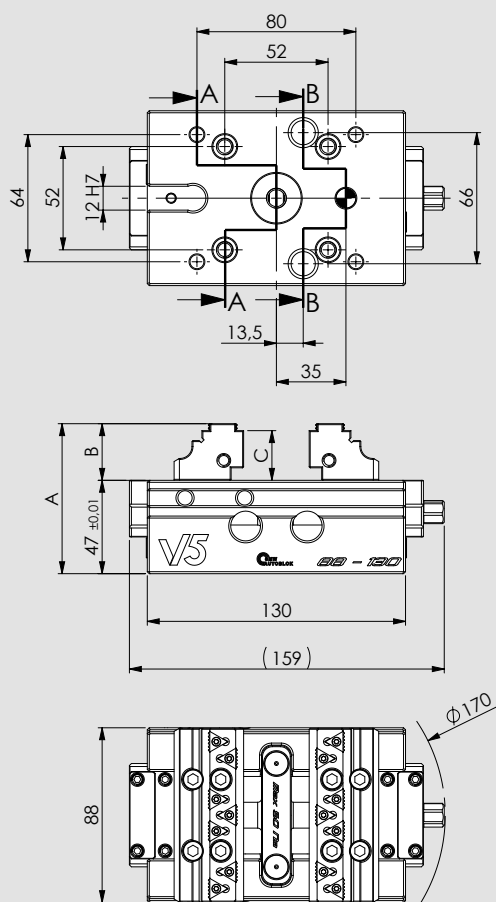
- Highly precise **only** self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Wide clamping range
- Ideal for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

### Technical features

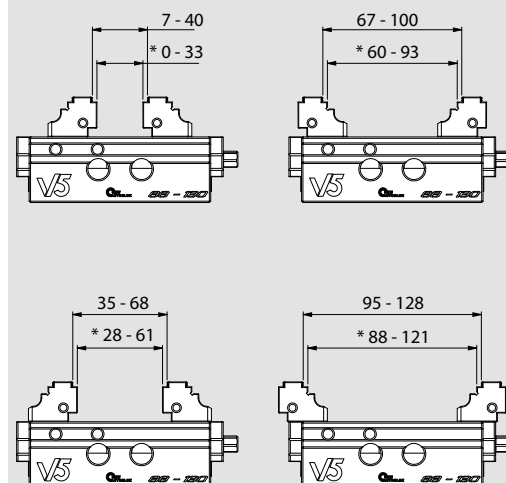
- Self-centering clamping
- Clamping force up to 32 kN (50 Nm)
- Jaw width 87,5 mm
- Interface for Zero Point system APS / TDM and Plus5 52
- Through-holes for frontal clamping on cubes and plates
- **The jaws for V5 88 are compatible with IMG 88**

### Standard equipment

Wrench, jaws, nr. 10 Sintergrip inserts.



Subject to technical changes.



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

Subject to technical changes.

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



## Applications / Customer Benefits

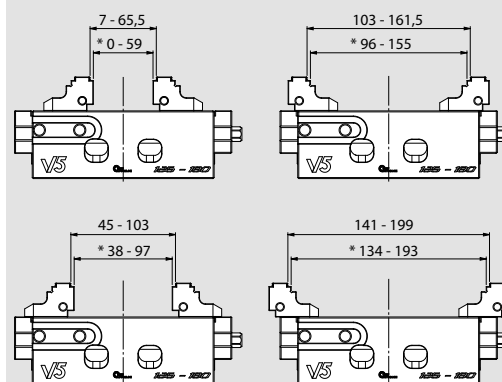
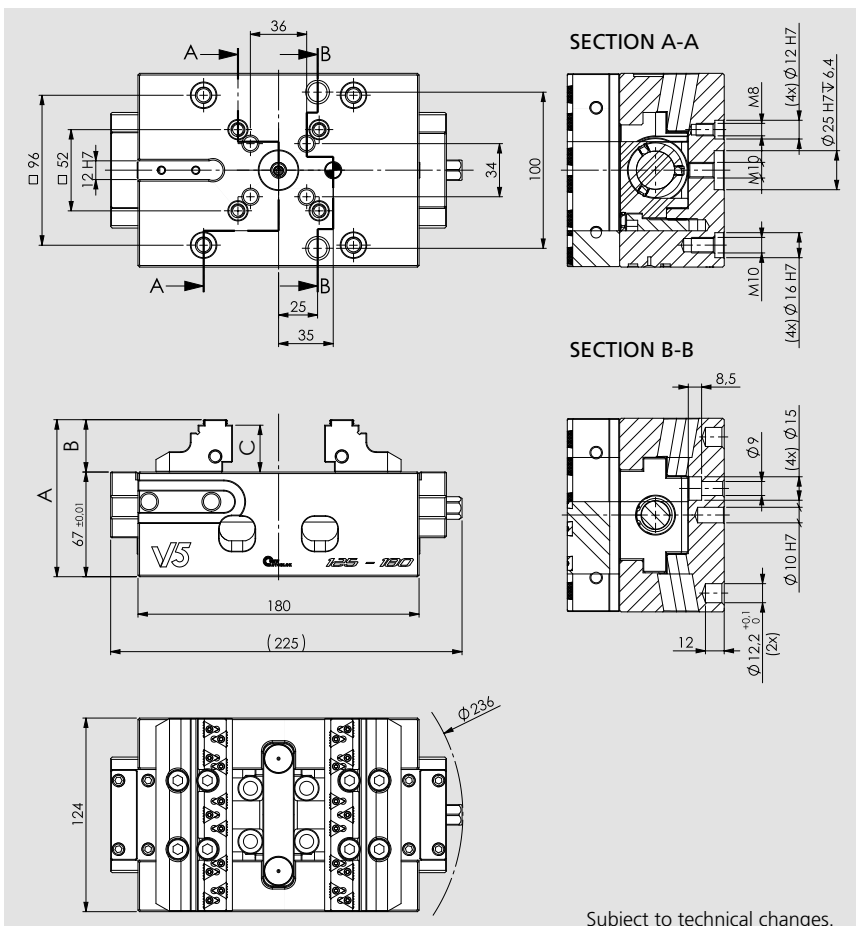
- Highly precise **only** self-centering clamping with maximum repeatability
- Totally protected
- Compact design for better accessibility and very large drainage slots
- Jaws with SinterGrip clamping inserts for minimum workpiece clamping depth without pre-machining
- Wide clamping range
- Ideal for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

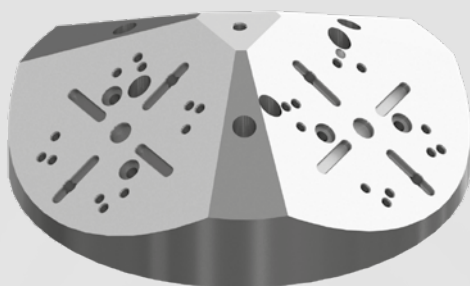
## Standard equipment

Wrench, jaws, nr. 10 Sintergrip inserts.



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



### 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

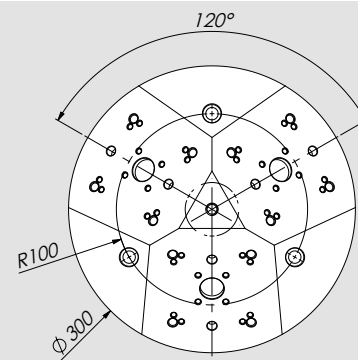
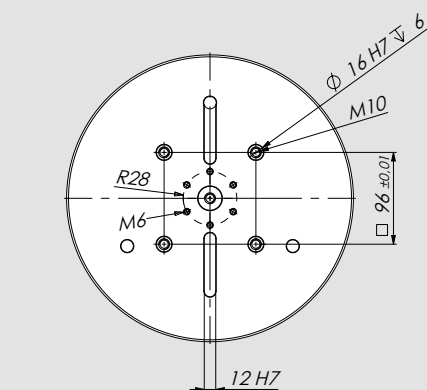
### Technical features

- Material: ALU

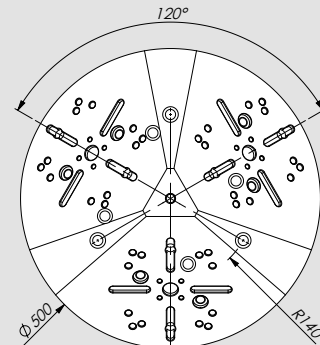
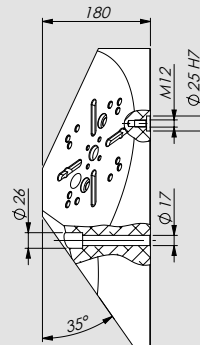
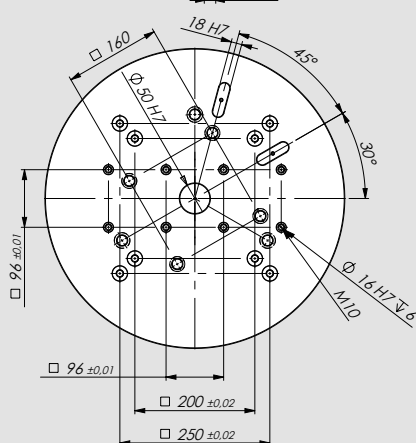
### Standard equipment

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



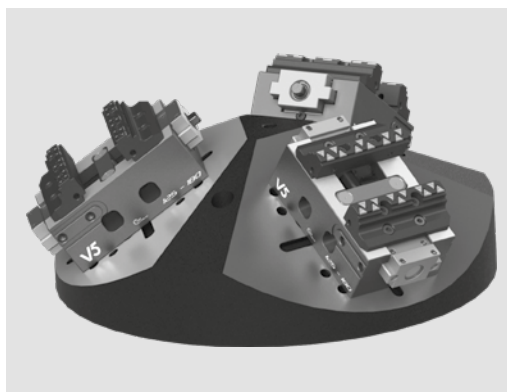
IMG 125 - 180  
IMG 125 - 220  
V5 125 - 180  
E5 125 - 180  
PLUS 5 - 96



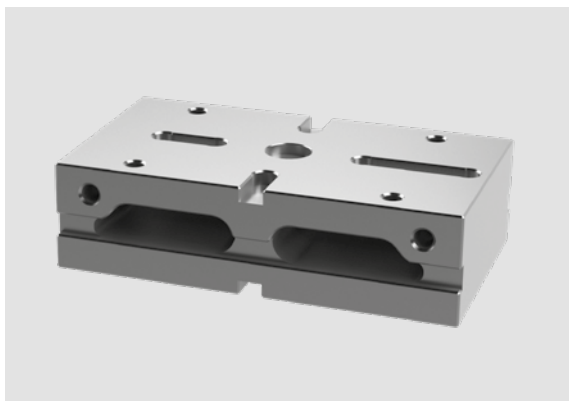
Subject to technical changes.

| 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

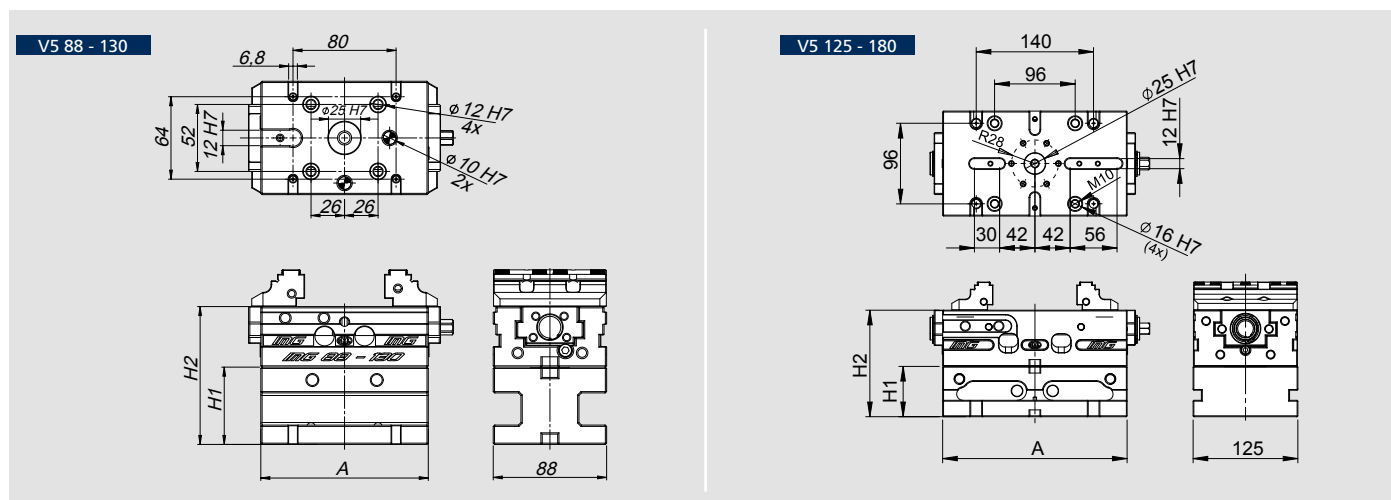
- Ideal for 5 axis machines
- Compact design
- Possibility to be mounted directly on machine tools with T slots
- Possibility to be mounted directly on single plate or DUO APS (pitch 200)

## Technical features

- Material: steel

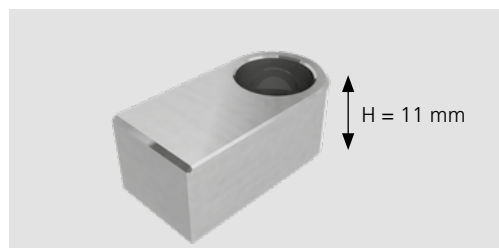
## Standard equipment

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



| 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  |

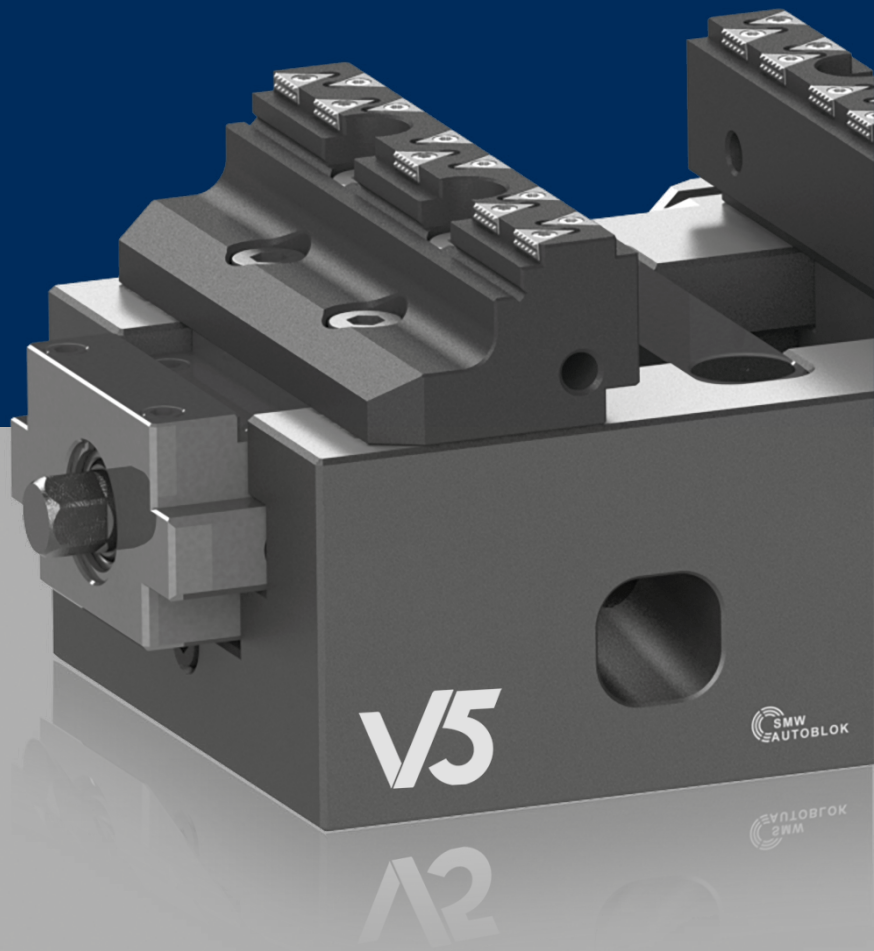
## Key for single use on APS 140 (vice body side)



| Type   | Id. No.  |
|--------|----------|
| V5 88  | 58351312 |
| V5 125 |          |

# V5

Self-centering vice  
for 5-axis machines



Self-centering vice for 5-axis machines

