

# Precision Self-Centering Vise For 4 & 5 - Axis Machining

## SCVR-90

Code No.  
425-125

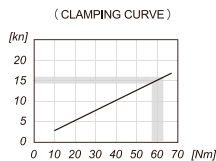
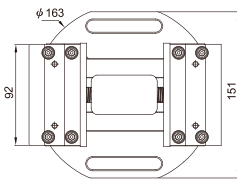


## SCV-100

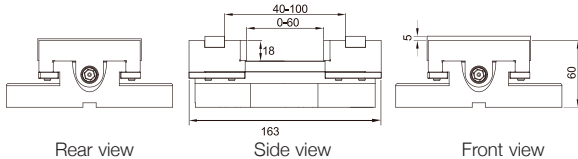
Code No.  
425-120



Top view



Clamp ranges

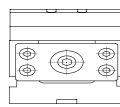
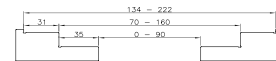


Rear view

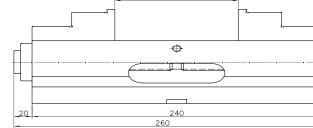
Side view

Front view

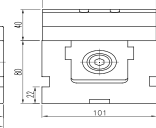
Clamp ranges



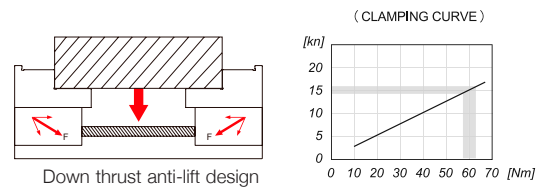
Rear view



Side view



Front view



### Features and benefits

1. TECHLEADER Self Centering Precision Vises are suitable to be mounted onto 4 and 5 Axis CNC Rotary Tables for horizontal or vertical machining operations.
2. Our Self Centering Precision Vises repeat to the center position within  $\pm 0.010\text{mm}/0.0004''$ .
3. Vise bodies are made from a high quality cast iron FCD 60 (GGG 60) material. The slide ways are heat treated to 45HRC+ and then precision ground to provide the high accuracy and long operational life.
4. The vise hard jaws are made of S50C JIS steel and heat treated to 55HRC and then precision ground to ensure the highest degree of accuracy in parallelism and squareness within  $0.015\text{ mm}/0.0006''$ . Another feature of our vise and jaw design is that the jaws are reversible, this allows for greater clamping ranges and versatility to hold small to large work pieces with one vise.
5. Our vises incorporate a special design which prevents the work piece from lifting when clamped between the jaws – keeping the work piece securely held down during machining.

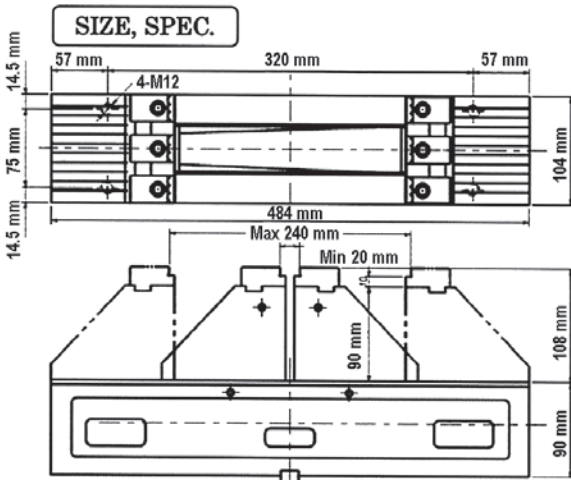
# Lock-Tight 5 Axis Machine Vises



**Compact Machine vises for 5 axis machines.**

**Features**

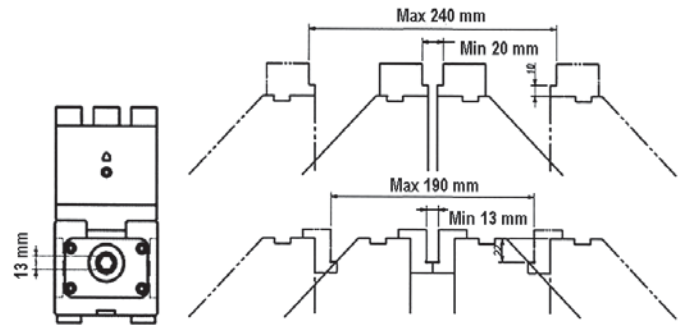
- Deep jaw construction, free of interference with the machine as the work pieces can be clamped at higher level, less interference of cutting tools.
- Built in semi-sphere segment mechanism which minimizes the jaw lifting under clamping pressure.
- Exchangeable jaw plates  
1 set of serrated jaw plates on both jaws.



**ACCESSORIES**

**JAW PLATES: 2 TYPE OF STEP JAWS**

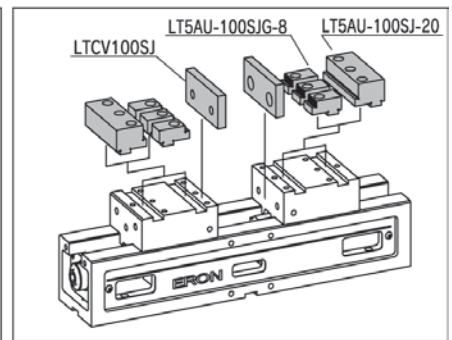
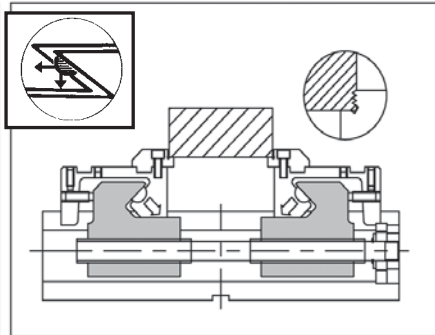
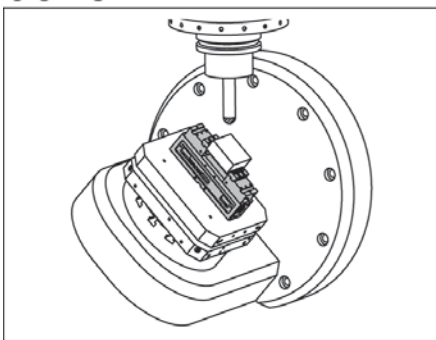
As option.



**LESS INTERFERENCE W/  
MACHINE**

**BUILT IN SEMI-SPHERE MECHANISM  
TO MINIMIZE JAW LIFTING**

**JAW  
EXCHANGEABLE**



Order No.	Model No.	Total Length	Jaw Width	Jaw Width	Total Height	Weight	Clamping Force
595-225	LT5AU-100	484 mm	102 mm	240 mm	198 mm	32 Kg	20 KN