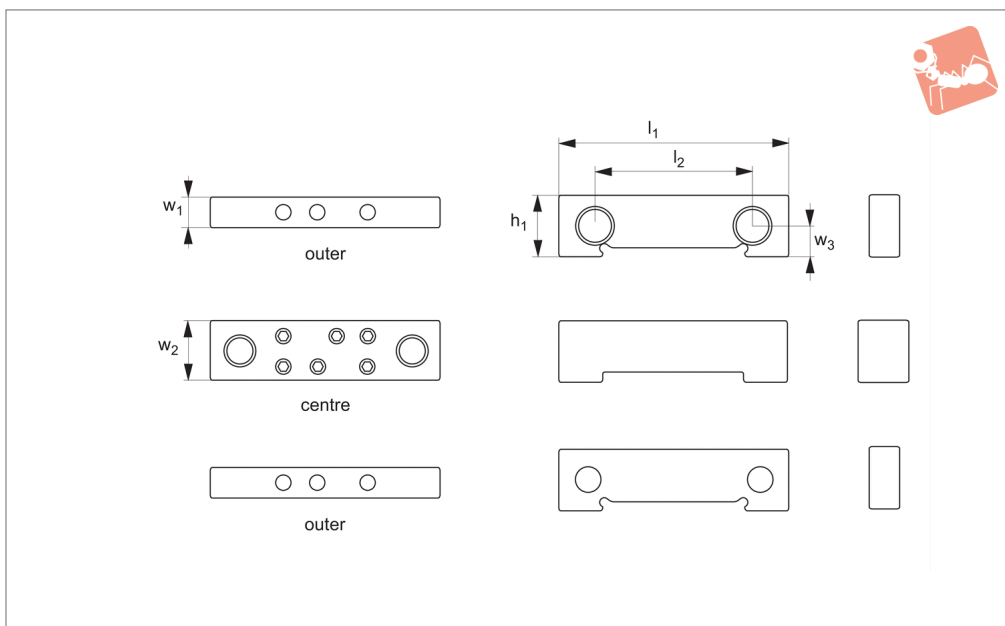




Master Jaws - AccuSnap

for use on SnapLock carrier jaws 19796

Vice Clamping



19810

VICE CLAMPING

Material

Body: 80000 psi ductile cast iron.

Technical Notes

Adaptable to most vice jaw systems. When

used with ReLock vice, mount AccuSnap master jaws to SnapLock carrier jaws to fit all AccuSnap jaw components. Install AccuSnap master jaws to SnapLock carrier

jaws on vice for squareness.

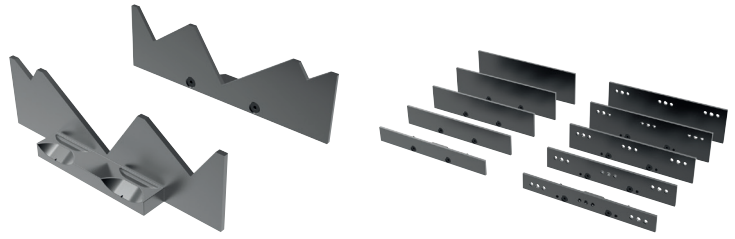
Important Notes

All dimensions are in inches.

Order No.	Vice size	Contents	l_1 ± 0.001	l_2	w_1 ± 0.0005	w_2 ± 0.0005	w_3	h_1 ± 0.001
19810.W0401	4"	2 x Outer, 1 x Centre	3.98	2.500	0.560	-	0.687	1.35
19810.W0403	4"	2 x Outer	3.98	2.500	0.560	-	0.687	1.35
19810.W0402	4"	1 x Centre	3.98	2.500	-	1.25	0.687	1.35
19810.W0601	6"	2 x Outer, 1 x Centre	5.98	3.875	0.750	-	0.937	1.85
19810.W0603	6"	2 x Outer	5.98	3.875	0.750	-	0.937	1.85
19810.W0602	6"	1 x Centre	5.98	3.875	-	1.50	0.937	1.85
19810.W0801	8"	2 x Outer, 1 x Centre	7.98	4.750	1.125	-	1.218	2.35
19810.W0802	8"	2 x Outer	7.98	4.750	1.125	-	1.218	2.35
19810.W0803	8"	1 x Centre	7.98	4.750	-	2.00	1.218	2.35



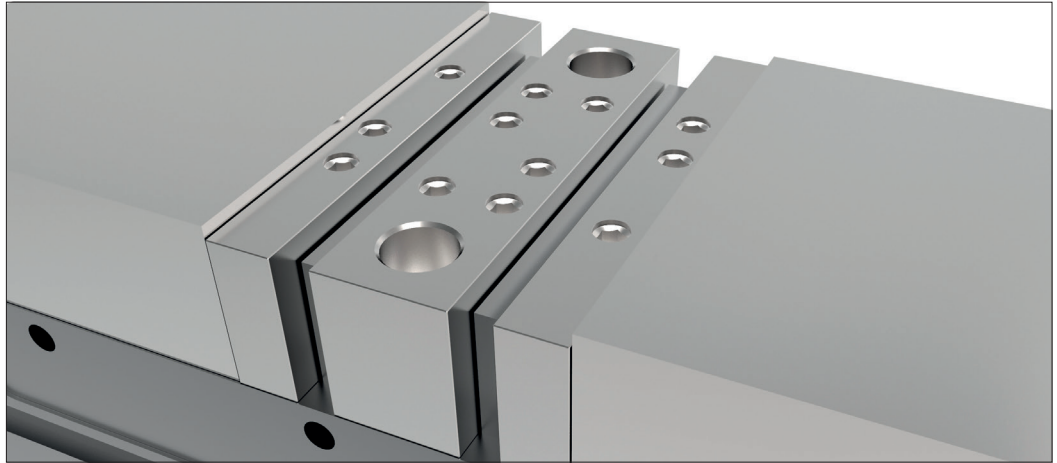
- Fast, accurate and versatile.
- Reduces setup time drastically.
- $\pm 0,0002''$ repeatability.
- Adaptable to most vice systems.



Step 1:

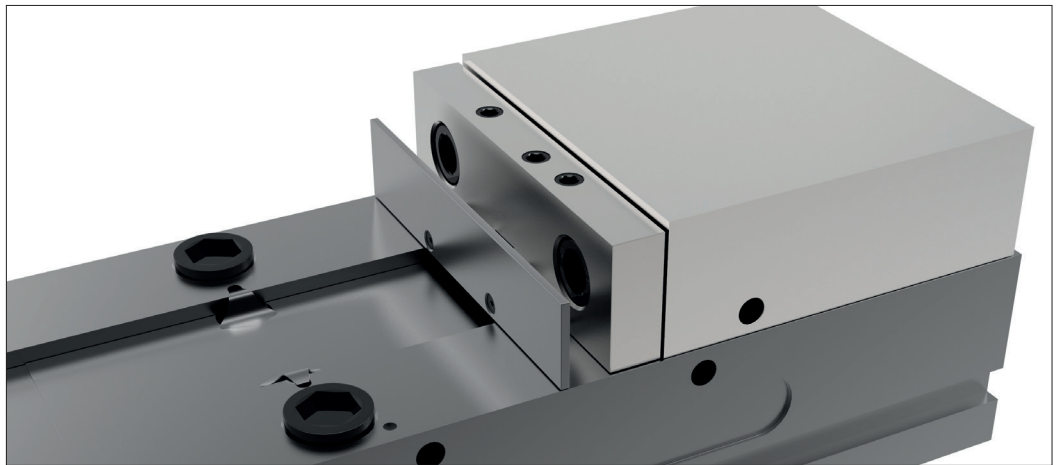
Before mounting AccuSnap master jaws, thoroughly inspect, clean and remove any burrs or chips from the mounting surface.

Simply attach the AccuSnap master jaws to the carrier jaw system using the industry standard bolt system.



Step 2:

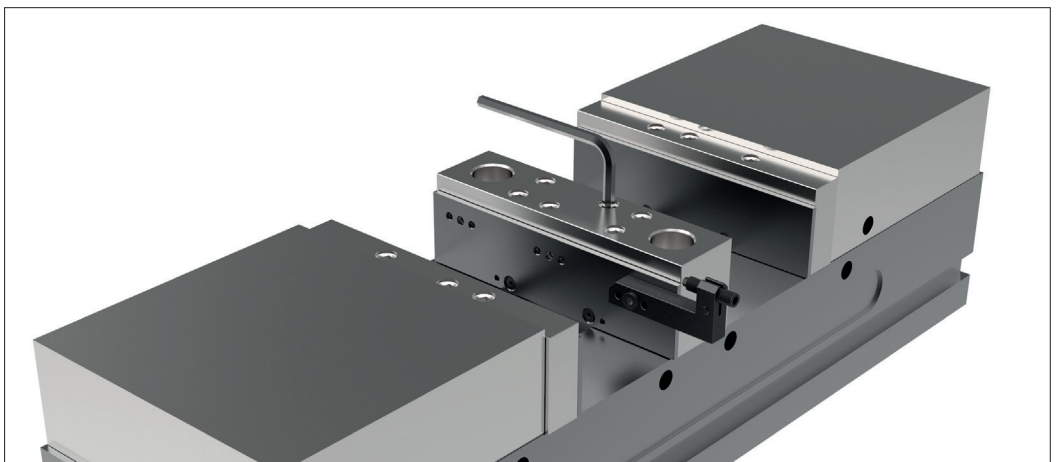
Snap in the parallels or soft jaws that you require for your set-up and begin machining. Two lock screws are provided for extra holding assurance, but are not necessary to hold parallels in place. Do not overtighten lock screws.

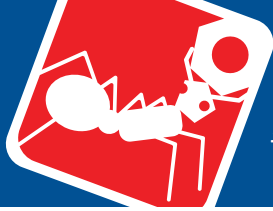


Step 3:

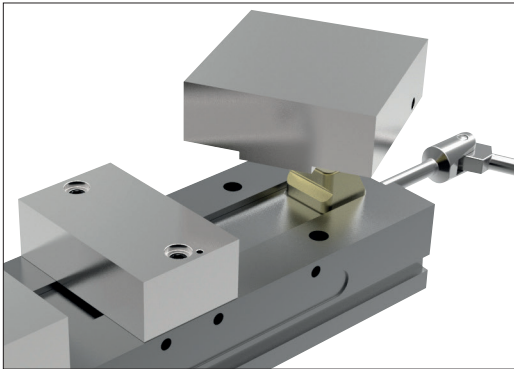
When finished with your job, unlock parallels (if needed) and turn the kick out screw to eject the jaw or parallel.

You are ready to repeat the process for your next job.



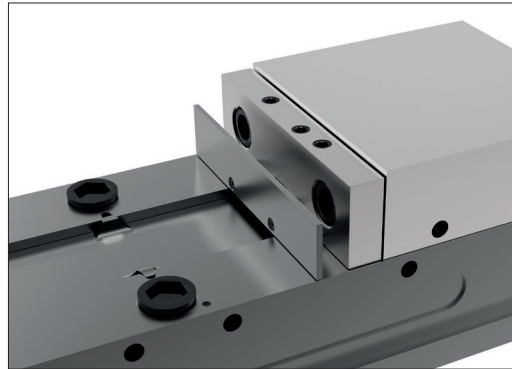


ReLock Accessories



SnapLock Machinable Fixture Jaws

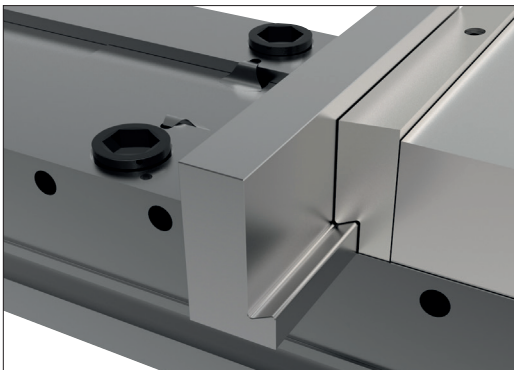
Jaws can be attached, reversed, removed or indexed in a matter of seconds. The jaws are extremely versatile, allowing endless customising possibilities. Jaws are manufactured from steel and high quality aluminium.



SnapLock Carrier Jaws

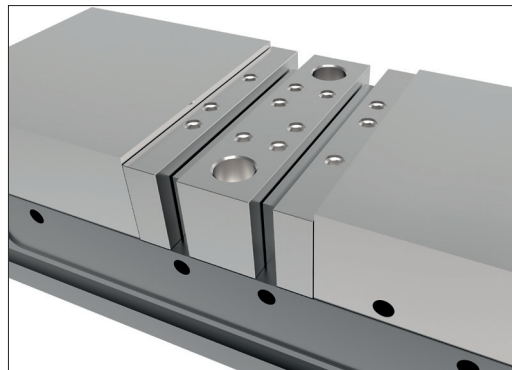
Carrier jaws allow mounting of AccuSnap and QuickChange master jaws or standard bolt-on jaws using an industry standard bolt pattern.

Both the AccuSnap and QuickChange vice jaw systems can be used in conjunction with most vice systems.



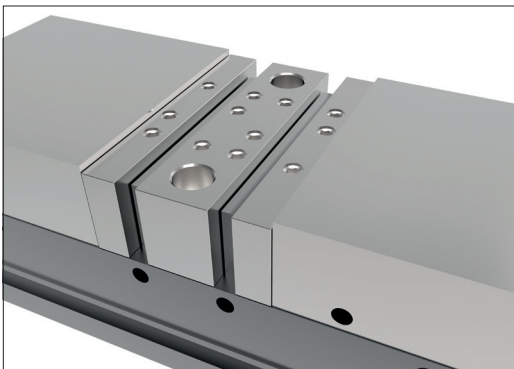
QuickChange Vice System

QuickChange jaws slide into position via a dovetail slot, as shown. The system includes master jaws, parallels, V-blocks, mill angles and machinable soft jaws. Adaptable to most vice systems.



AccuSnap Vice Jaw System

The AccuSnap vice jaw system (pictured), shows master jaws and parallels being used for workpiece set-up. The AccuSnap system allows setup change-over in seconds with extreme accuracy.



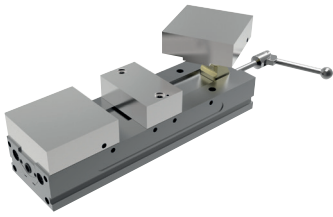
AccuSnap Machinable Fixture Jaws

Ideal for many workholding options of smaller workpieces. Jaws are offered in two thicknesses, from either aluminium or pre-hardened steel.



AccuSnap Workstops

Easily mount to AccuSnap parallels in a variety of configurations. Provides extreme workpiece location accuracy and repeatability. Can be used in conjunction with the AccuSnap presetting gauge to accurately reference your X, Y and Z machine datums.



The SnapLock system's allows simple, quick changeovers between machinable and carrier jaws.

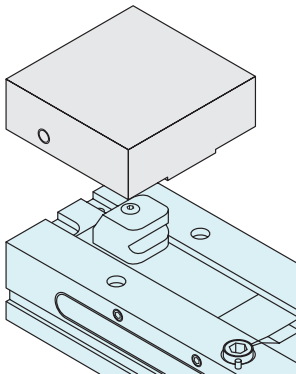
SnapLock Machinable Fixture Jaws

- Can be attached, reversed, removed or indexed in a matter of seconds.
- Extremely versatile, allowing endless customisation possibilities.
- Manufactured from high quality aluminium.

SnapLock Carrier Jaws

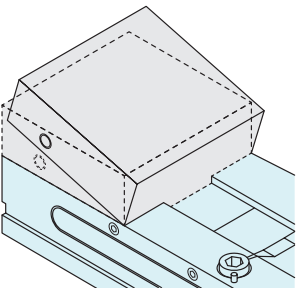
- Allows mounting of AccuSnap and QuickChange master jaws or standard bolt-on jaws using an industry standard bolt size and pattern.

Operation



Step 1

Align the SnapLock outer jaw over the appropriate ReLock vice knuckle

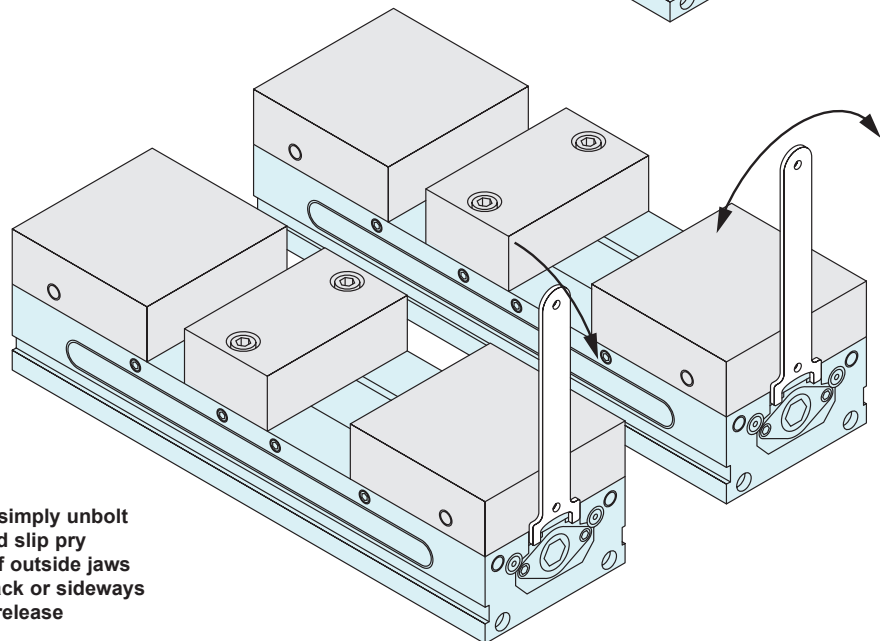
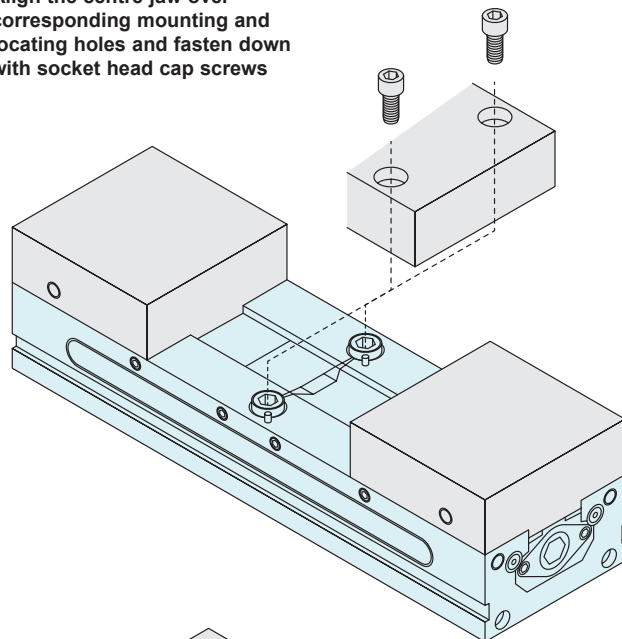


Step 2

Place the front edge of the jaw over the knuckle and press firmly down to "snap" into place

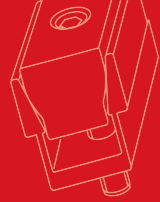
Step 3

Align the centre jaw over corresponding mounting and locating holes and fasten down with socket head cap screws



Step 4

For jaw removal, simply unbolt the centre jaw and slip pry wrench in slots of outside jaws as shown; pull back or sideways on the handle to release

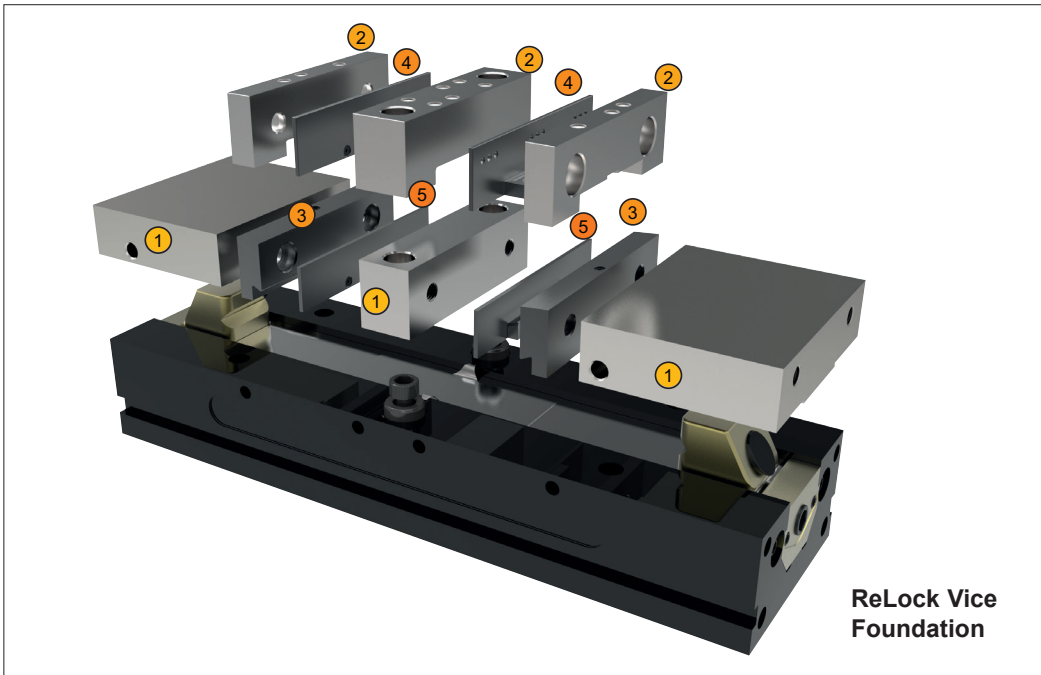


Foundation

The ReLock vice is the foundation for a fully flexible vice system, with a multitude of interchangeable jaws, parallels or mill angles to suit your application.

Base vice - ReLock 2 or ReLock 8.

- SnapLock® Carrier Jaws - accepts both AccuSnap® and QuickChange™ Jaw systems.
- AccuSnap or QuickChange Parallels and Mill Angles - select the approach best suited to your application.



ReLock Vice Foundation

Flexibility

① SnapLock Carrier Jaws

SnapLock carrier jaws allow mounting of AccuSnap and QuickChange master jaws by using an industry standard bolt size and pattern. Carrier jaws snap on and off the SnapLock knuckles in seconds.

② ③ AccuSnap and QuickChange Master Jaws

AccuSnap QuickChange master jaws easily mount to the SnapLock carrier jaws by using an industry bolt size and pattern. AccuSnap master jaws patented locking receptacle accepts all AccuSnap accessories.

④ ⑤ AccuSnap and QuickChange Parallels

AccuSnap and QuickChange parallels are designed for a range of set up variations when you need to position a workpiece between hardened jaws. AccuSnap parallels snap in and out of the AccuSnap master jaws in seconds. QuickChange parallels slide into position via a dovetail slot and gib.

Also available:

Machinable Fixture Jaws

AccuSnap and QuickChange machinable fixture jaws can be customised quickly to fixture a wide range of workpieces. The jaws snap or slide in and out of the master jaws in seconds. Available in either aluminium or hardened steel.

SnapLock Reversible Machinable Fixture Jaws

SnapLock reversible machinable fixture jaws are the most versatile method of fixturing on the ReLock System. Customising options are endless. Jaws can be machined on two faces for additional set up. Manufactured from high quality aluminium.

Fixture Plate

Ideal for a wide variety of fixturing applications, such as holding many small parts or parts with difficult clamping or locating requirements. Fixture plates can be attached or removed in seconds and are offered in two widths. Manufactured from high quality aluminium.

Modular Workstops

AccuSnap modular workstops quickly mount to parallels in many different positions. As many as three stops can be mounted to a single parallel to accommodate multi-piece set-ups.

Universal Workstop

The universal workstop easily mounts to the side of the ReLock in numerous positions. Optional extension is available for larger workpieces.

Workstop Presetting Gauge

The AccuSnap workstop presetting gauge, in combination with a standard micrometer, allows you to precisely preset your modular workstop positions in relation to the X, Y, and Z machine datums.

Single Station Conversion Plate

The single station conversion plate quickly converts the ReLock from double station to single station vice for larger workpieces.