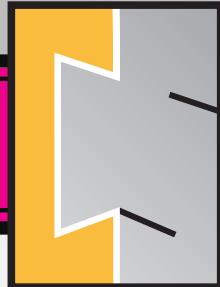


CARVESMART™

The Original Dovetailed Quick Change Vise Jaw System

FROM CARR LANE ROEMHELD

REDUCE SET-UP TIME



IMPROVE PART QUALITY

It's About Time

The **CARVESMART™** quick change vise jaw system is a complete package that reduces downtime and improves quality with speed and flexibility.

Increase your spindle up time and profits with creative workholding solutions not available to face mounted cap screwed jaws.



ROEMHELD
HILMA ■ STARK

Carr Lane Roemheld Mfg. Co.



927 Horan Drive • Fenton, MO 63026
Phone 800-827-2526 • Fax 636-386-8034
Email info@clrh.com • www.roemheld-usa.com

Jaw Changes Simplified

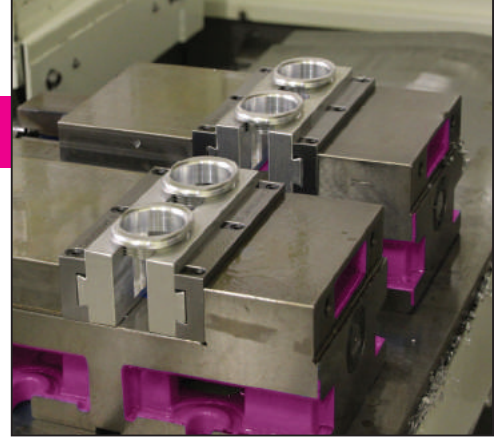
No More Cap Screws

The patented **CARVESMART™** Quick Change Vise Jaw System is a complete package of dovetailed jaws for production and toolroom vises that are accurately changed in seconds. **CARVESMART™** extruded aluminum soft jaws can be saw cut to any length.

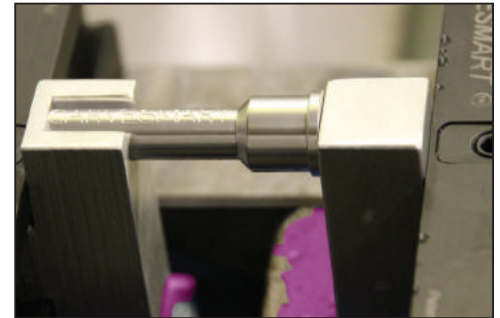
CARVESMART™ replaces cap screwed jaws with a dovetailed jaw. Powerful channeled clamping elements are accessed from the top of the master jaw. Eliminating face accessed cap screws gives the **CARVESMART™** dovetailed jaw design a larger machineable workholding zone that permits holding on to many parts deeper into the jaws of a vise for better performance.



▲ Long jaws tie stationary jaws together.



▲ Quit dodging cap screws



▲ Small jaws for small parts

QUICK

- ▶ Differential screws drive steel clamp nuts up and down at twice the rate of a cap screw.
- ▶ Vises no longer have to be opened to access the face mounted cap screws.
- ▶ Saw extruded jaw stock to any length.
- ▶ Jaws change in seconds.

ACCURATE

- ▶ 4140 steel master jaw sets are ground flat and parallel within 0.0002"
- ▶ **SMART**stopped jaws relocate $\pm 0.0003"$.
- ▶ Recutting the female form perfectly matches the features to the spindle each time you run it.

STURDY

- ▶ Large Dovetail
- ▶ Fully machineable **CARVESMART™** jaws allow parts to be held deeper into a vise with a narrower jaw than a cap screwed jaw.
- ▶ In many applications; the **CARVESMART™** design frees a vise's sweet spot to allow greater clamping force with less jaw lift.

WHAT MAKES US BETTER?

- ▶ **CLAMP NUTS:** 1018 steel with QPQ surface treatment. QPQ is wear and corrosion resistant. It also adds fatigue strength and lubrication to the surface. Smooth as silk.
- ▶ **SPEED SCREWS:** Black oxidized, alloy steel differential screw. The RH/LH simultaneous travel moves at twice the speed of a standard single lead screw. It lifts and pulls the clamp nut on to the dovetail without gauling.
- ▶ **SMARTstop™** is an internal to the jaw set, slot and pin system for jobs that repeat. SMARTstopped front loading jaws will relocate $\pm 0.0003"$.
- ▶ **Extruded** jaw stock can be cut to any length from 1/2" to 94" available in five profiles.
- ▶ Fully accessorized with dovetailed hard jaws, PERMAjaws and 1018 jaws.

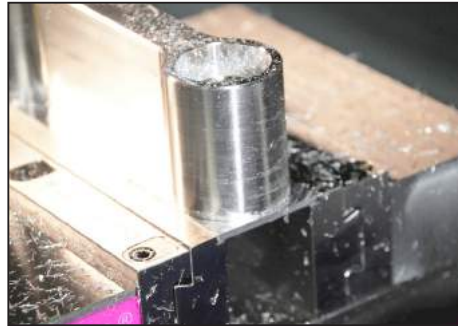


Simplify Set-ups, Reduce Downtime and Improve Part Quality

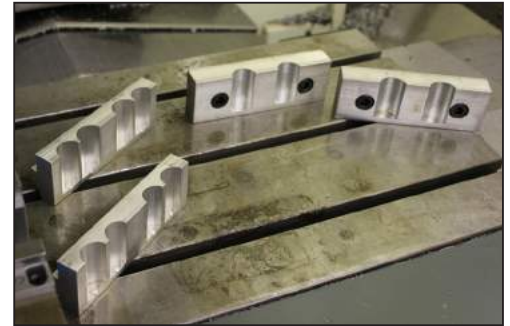
The **CARVESMART™** Dovetailed Quick Change Vise Jaw System addresses the last set up time barrier that most machine shops face.



Set ups relocate ± 0.0003 "

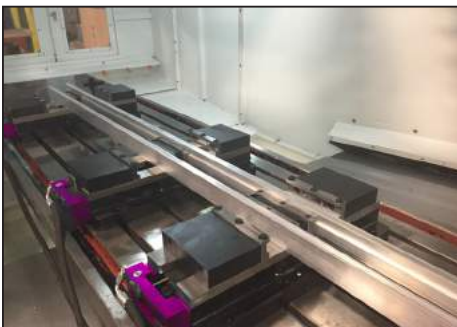


COMBOjaw knife edge that flips to a hard jaw



Dovetailed jaws are fully machineable without cap screw interference

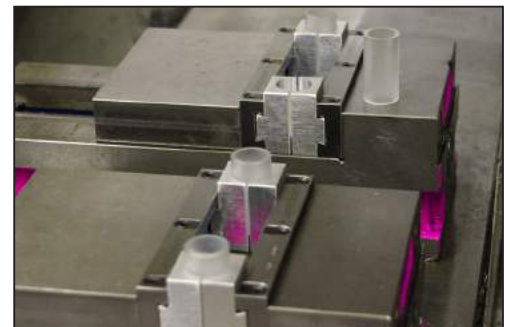
“From Large to Small We Hold Them All”



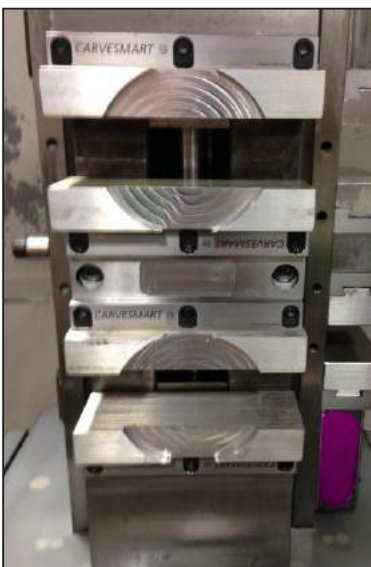
Tie multiple stationary vise jaws together with one extruded jaw



Cut to any length



Small jaws for small parts



“Save the Program Not the Jaw”

“We can change all 16 jaws on our quads in 10 minutes. We recut the female form to perfectly match the jaws to the spindle and are making good parts in half an hour instead of half a day. **CARVESMART™** is now on most of our vises and the guys love it.”

Mike Yeager, Owner
Yeager Machine, Inc
Norwood, MN

“I want to say you guys have a great product its borderline genius for manufacturing.”

Paul Testa
Admill Machine
New Britain, CT

US Pat. No. 8,540,225

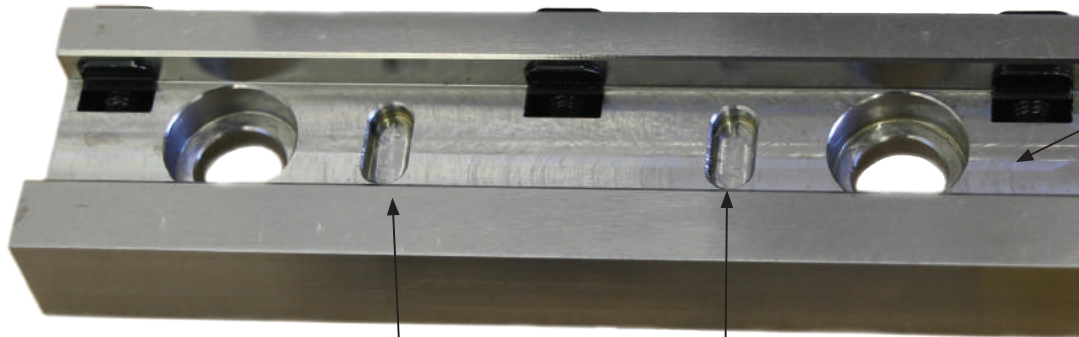


Best for Production & Toolroom Workholding

\$295
PER MASTER JAW SET

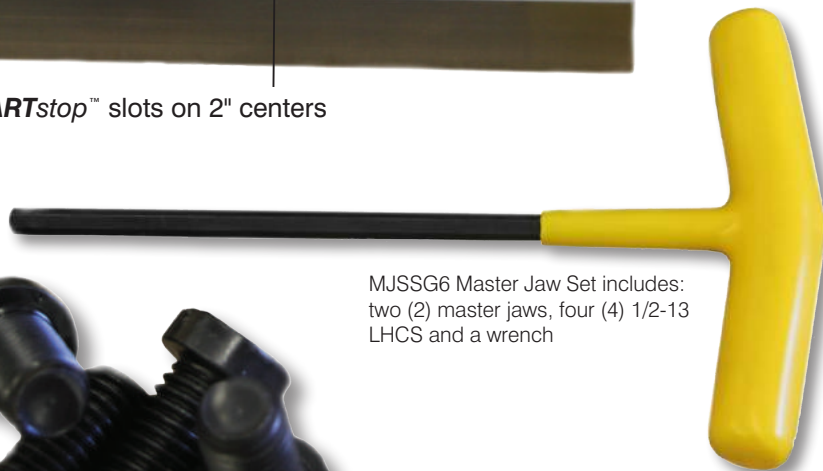
6" Tool Steel Master Jaw Set

Patented clamp assembly



Large dovetail for strength and performance

Two SMARTstop™ slots on 2" centers



MJSSG6 Master Jaw Set includes: two (2) master jaws, four (4) 1/2-13 LHCS and a wrench

#MJSSG 6
#MJSSG 5+1
#MJSSG 6-125

- 4140 Ground Prehard Tool Steel
- Ground flat and parallel within 0.0002"
- Accepts **SMARTstop™** jaw sets
- Accepts all 6" and 8" accessories
- Front and side jaw loading
- Accepts five extruded profiles that can be cut to any length
- No exterior components that prevent vises from being mounted jaw to jaw
- No exterior components to blow back chips



THE CLAMP ASSEMBLY:

The patented design is the fastest and most durable dovetailed vise jaw clamp in the industry.

- 1018 steel QPQ coated nuts
- RH/LH alloy steel differential screw

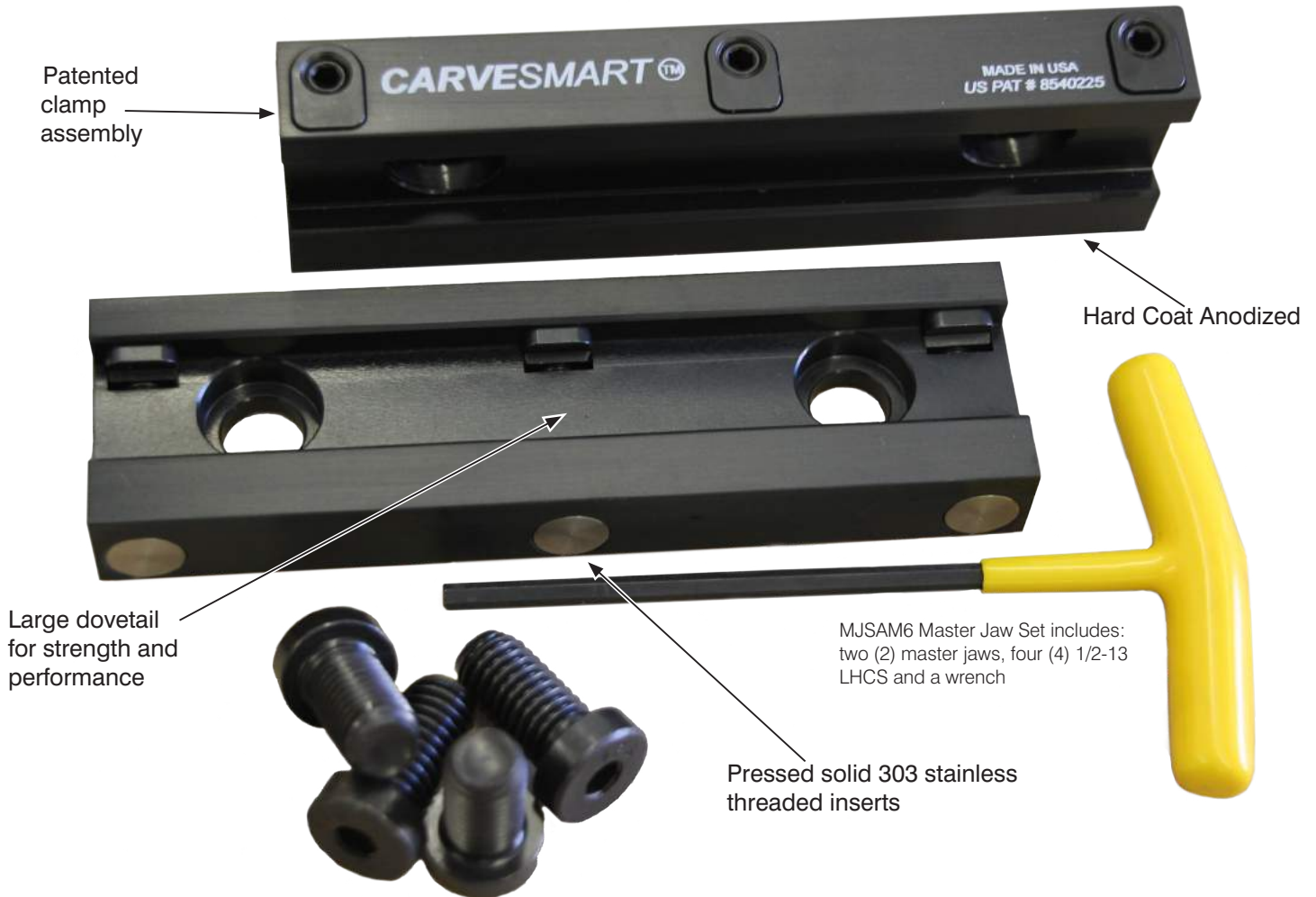


\$165

PER MASTER JAW SET

Good for Production Carved Jaw Workholding

6" Aluminum Master Jaw Set



#MJSAM 6

- Machined flat and parallel within 0.002"
- 6061 hard coated aluminum
- Front and side jaw loading
- Accepts hard jaws and 1018 jaws
- Accepts five extruded profiles that can be cut to any length
- No exterior components that prevent vises from being mounted jaw to jaw
- No exterior components to blow back chips
- Does not accept **SMARTstop™**

THE CLAMP ASSEMBLY:

The patented design is the fastest and most durable dovetailed vise jaw clamp in the industry.

- 1018 steel QPQ coated nuts
- RH/LH alloy steel differential screw
- 303 stainless steel threaded inserts for smooth operation and thread life



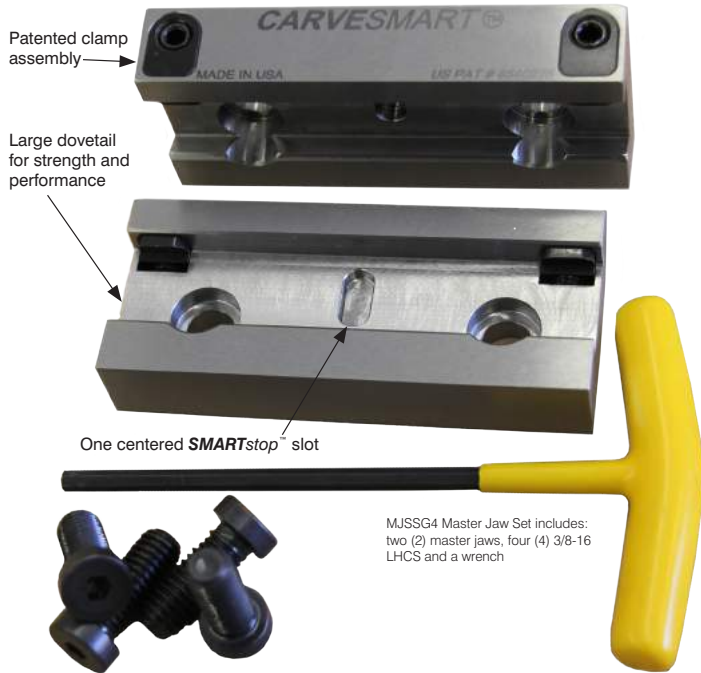
US Pat. No. 8,540,225



Best for Production & Toolroom Workholding

\$275
PER MASTER JAW SET

4" & 4.2" Tool Steel Master Jaw Set



MJSSG4 Master Jaw Set includes:
two (2) master jaws, four (4) 3/8-16
LHCS and a wrench

#MJSSG 4

#MJSSG 4-100

- 4140 Ground Prehard Tool Steel
- Ground flat and parallel within 0.0002"
- Accepts **SMARTstop™** jaw sets
- Accepts all 4.5" accessories
- MJSSG 4-100 accepts all 4.5", 6" & 8" accessories
- Front and side jaw loading
- Accepts four extruded profiles that can be cut to any length
- No exterior components that prevent vises from being mounted jaw to jaw
- No exterior components to blow back chips



THE CLAMP ASSEMBLY:

The patented design is the fastest and most durable dovetailed vise jaw clamp in the industry.

- 1018 steel QPQ coated nuts
- RH/LH alloy steel differential screw

STARTING AT
\$650
PER MASTER JAW SET

6.3" & 8" Tool Steel Master Jaw Set

#MJSSG 6-160

#MJSSG 8

- 4140 Ground Prehard Tool Steel
- Ground flat and parallel within 0.0002"
- Front and side jaw loading
- Accepts four extruded profiles that can be cut to any length
- No exterior components that prevent vises from being mounted jaw to jaw
- No exterior components to blow back chips



MJSSG8 Master Jaw Set includes:
two (2) master jaws, four (4) 5/8-11
LHCS and a wrench

THE CLAMP ASSEMBLY:

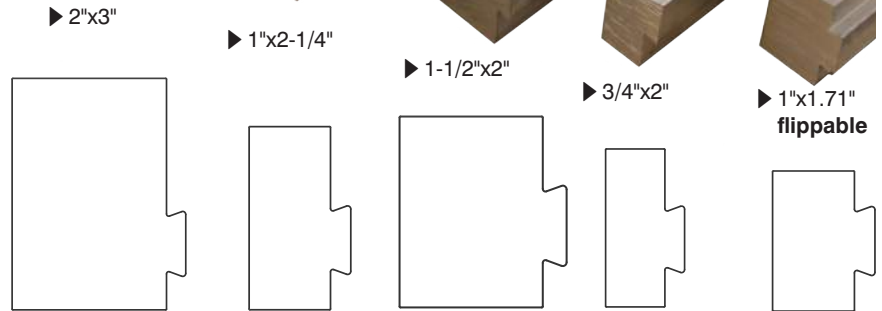
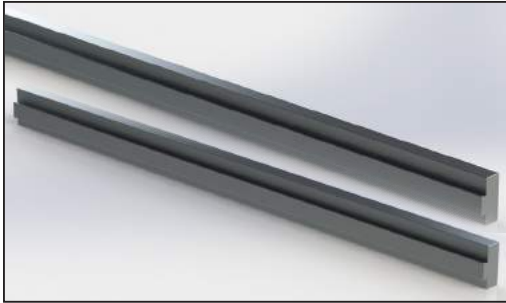
- 1018 steel QPQ coated nuts
- RH/LH alloy steel differential screw
- Massive 3/8-24 clamp assembly is three times larger than our 4" and 6" units



JAWSTOCK from CARVESMART™ Cut to any Length.

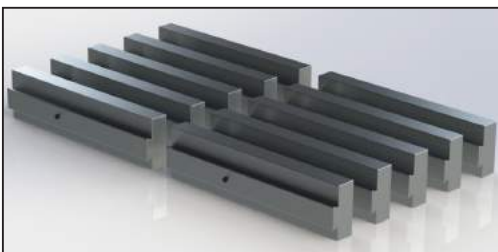
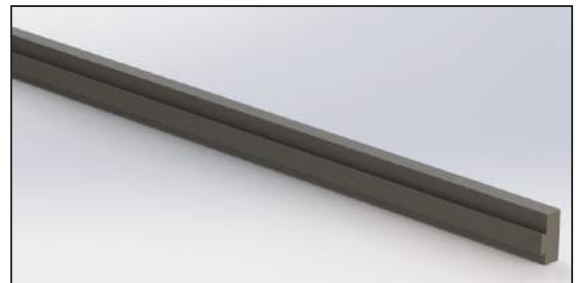
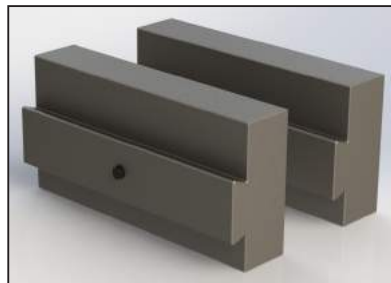
Extruded Aluminum Jawstock:

- ▶ Available in five profiles:
- ▶ Available in 31" and 94" cut to any lengths.



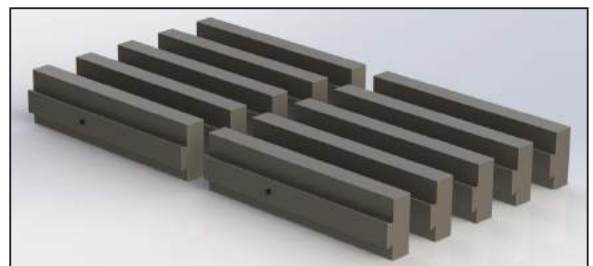
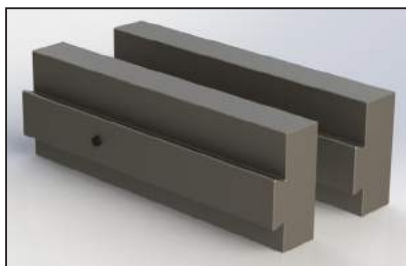
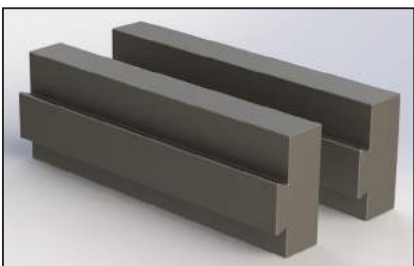
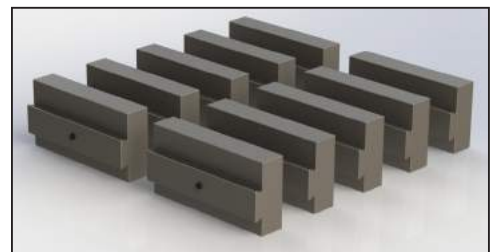
1018 Jaws

- ▶ 3/4" x 2" and 1" x 2" 1018 jaw stock is available in 4.5", 6" 8" SMARTstopped lengths and 31" cut to length bars.



10 Packs

- ▶ SMARTstopped 10 packs are a savings in pre-cut pre-pinned lengths of aluminum and 1018 steel.



US Pat. No. 8,540,225



SMARTSTOP™

- **SMARTstop™** is an accurate, internal, vertical slot and pin system
- Once used jaws will relocate ± 0.0003 " in the same ground steel master jaw
- **SMARTstop™** allows vises to be mounted jaw to jaw
- **SMARTstop™** jaws are front loading and available for steel ground master jaw sets only
- 4.5", 6" and 8" **SMART**stopped jaw sets are available in all five extruded aluminum profiles, PERMAjaws and 1018 jaws
- Available black oxidized 1/4" x 3/8" dowel pins permit **SMART**stopping jaws in house from sawed to any length dovetailed jaw stock



PERMAjaw 4.5" and 6"



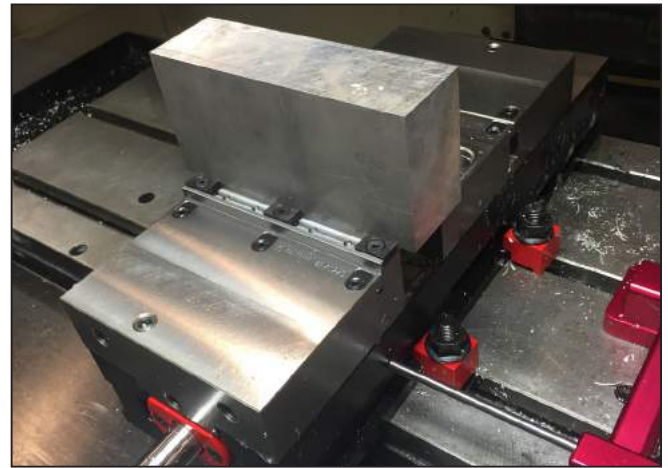
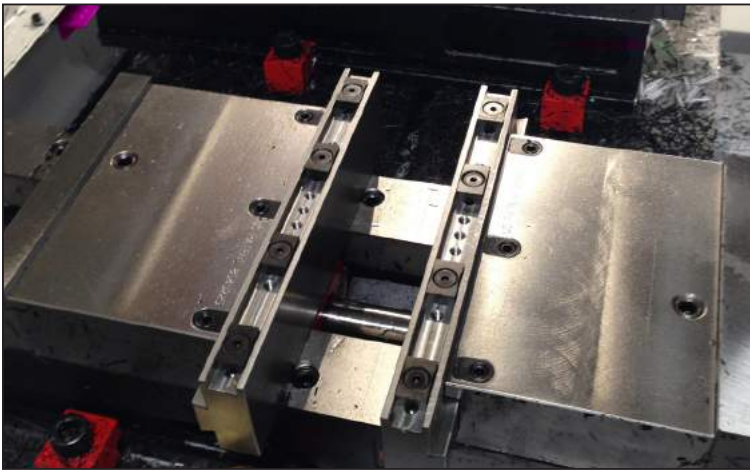
PERMAJAW

Dovetailed for Step and Carved Jaws:

- Durable 46/50rc, machinable, alloy steel jaws sold in pairs
- Excellent for machining matched to the spindle step jaws and eliminate parallels
- SMARTstopped for highly repeatable carved jaw set-ups of ± 0.0003 "
- Flippable for multiple jobs or different step heights
- 4.5" and 6" long x 1.71" high x 1/2" wide pairs

4.5" & 6" COMBOJAW

- Hard Jaw that flips to a dovetailed/knife edge jaw
- 60/62rc tool steel ground flat and parallel within 0.0002"
- 0.100" high x 20 degree knife edge with 0.100" wide step
- Sold in sets of two



TalonTop 8" in an Orange IJS Vise with MiteeBite Clamps

TalonTop Dovetailed Jaws



- MiteeBite authorized "TalonGrip" ready. Allows edge gripping on 0.060" of material
- Quick Change 1018 cold rolled steel sold in pairs
- 6" and 8" long x 2" tall x 3/4" wide
- 8" pairs extend your six-inch vise to eight-inches of clamping width
- SMARTstop pins and 10-32 set screws are included
- Recommended MiteeBite #32050 Talon Grip clamps and #32020 stops are not included.
www.miteebite.com

US Pat. No. 8,540,225



Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
MASTER JAW SETS & DOVETAILED TOOLING OPTIONS						
	MJSSG 4-100	40002	One Pair	4.2" Master Jaw Set of Two Steel Ground with SMARTstop including M6x16 LHCS and wrench Roerheld 100mm Vise Bolt Hole Pattern: 11mm H x 65mm Center-to-Center	\$275.00	NA
	MJSSG 6-125	50002	One Pair	6" Master Jaw for a 5" Vise Set of Two Steel Ground with SMARTstop including M8x20 LHCS and wrench Roerheld 125mm Vise Bolt Hole Pattern: 14mm H x 80mm Center-to-Center	\$295.00	NA
	MJSSG 6-160	60002	One Pair	6.3" Master Jaw Set of Two Steel Ground with SMARTstop including M10x20 LHCS and wrench Roerheld 160mm Vise Bolt Hole Pattern: 17mm H x 100mm Center-to-Center	\$650.00	NA
	MJSSG 6	10000	One Pair	6" Master Jaw Set of Two Steel Ground with SMARTstop including 1/2-13 LHCS and wrench Bolt Hole Pattern: 0.940" H x 3.875" Center-to-Center	\$295.00	NA
	MJSSAM 6	20000	One Pair	6" Master Jaw Set of Two Aluminum Machined including 1/2-13 LHCS and wrench Bolt Hole Pattern: 0.940" H x 3.875" Center-to-Center	\$165.00	NA
	MJSSG 5+1	10005	One Pair	6" Master Jaw for a 5" Vise Set of Two Steel Ground with SMARTstop including 7/16-14 LHCS and wrench Bolt Hole Pattern: 0.812" H x 3.125" Center-to-Center	\$295.00	NA
	MJSSG 4	40000	One Pair	4" Master Jaw Set of Two Steel Ground with SMARTstop including 3/8-16 LHCS and wrench Bolt Hole Pattern: 0.687" H x 2.500" Center-to-Center	\$275.00	NA
	MJSSG 8	50000	One Pair	8" Master Jaw Set of Two Steel Ground with SMARTstop including 5/8-11 LHCS and wrench Bolt Hole Pattern: 1.220" H x 4.750" Center-to-Center	\$695.00	NA
	COMBOjaw 4.5	31001	One Pair	2 pcs 4.5" Flippable Hard Jaw to a Knife Edge Jaw 60/62rc Ground within 0.0002" 1/2"x1.71"x4.5"	\$325.00	● ● ●
	COMBOjaw 6	31002	One Pair	2 pcs 6" Flippable Hard Jaw to a Knife Edge Jaw 60/62rc Ground within 0.0002" 1/2"x1.71"x6"	\$350.00	● ● ● ● ● ●
	PERMAjaw 4.5x1/2	50104	One Pair	2 pcs 4.5" 50rc Machineable Tool Steel Hard Jaw Flippable SMARTstopped 1/2"x1.71"x4.5"	\$145.00	● ● ● ● ● ●
	PERMAjaw 6x1/2	50106	One Pair	2 pcs 6" 50rc Machineable Tool Steel Hard Jaw Flippable SMARTstopped 1/2"x1.71"x6"	\$175.00	● ● ● ● ● ●
	Grip-N-Rip 6	50206	One Pair	2 pcs 6" Flippable TalonGrip to VersaGrip 1018 Dovetailed SMARTstopped 1"x1.71"x6" (MiteeBite Clamps not included)	\$175.00	● ● ● ● ● ●
	Talon Top 6	60006	One Pair	2 pcs 6" Talon Top 1018 Dovetailed SMARTstopped 3/4"x2"x6" (Mitee Bite Clamps not included)	\$110.00	● ● ● ● ● ●
	Talon Top 8	60008	One Pair	2 pcs 8" Talon Top 1018 Dovetailed SMARTstopped 3/4"x2"x8" (Mitee Bite Clamps not included)	\$120.00	● ● ● ● ● ●

Accessory tooling is color coded by Master Jaw Set for easy selection and best performance.

MJSSG 4-100

MJSSG 4













































MJSSG 5+1

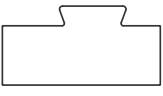
MJSSG 6-125

MJSSG 6-160

MJSSG 8

MJSSAM 6

Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
3/4"x2" 1018 COLD ROLLED STEEL MACHINEABLE JAW STOCK						
	SBS 3/4X2X31	31031	One	1 pc Mild Steel Jaw Stock Cut to Any Length 3/4"x2"x31"	\$125.00	    
	SJSSS 3/4X2X4.5	31104	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x4.5"	\$46.00	 
	SJSSS 3/4X2X4.5-10	31114	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x4.5"	\$207.00	 
	SJSSS 3/4X2X6	31106	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x6"	\$66.00	 
	SJSSS 3/4X2X6-10	31116	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x6"	\$297.00	 
	SJSSS 3/4X2X8	31108	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x8"	\$88.00	  
	SJSSS 3/4X2X8-10	31118	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 3/4"x2"x8"	\$396.00	  
1"x2" 1018 COLD ROLLED STEEL MACHINEABLE JAW STOCK						
	SBS 1X2X31	36031	One	1 pc Mild Steel Jaw Stock Cut to Any Length 1"x2"x31"	\$160.00	    
	SJSSS 1X2X4.5	36104	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x4.5"	\$58.00	 
	SJSSS 1X2X4.5-10	36114	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x4.5"	\$260.00	 
	SJSSS 1X2X6	36106	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x6"	\$83.00	 
	SJSSS 1X2X6-10	36116	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x6"	\$374.00	 

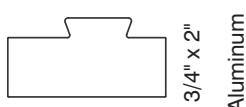
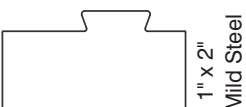


Accessory tooling is color coded by Master Jaw Set for easy selection and best performance.
MJSSG 4-100 **MJSSG 4** **MJSSG 6** **MJSSG 5+1** **MJSSG 6-125** **MJSSG 6-160** **MJSSG 8** **MJSSG 6** **MJSSG 6**
 US Pat. No. 8,540,225





Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
1" x 2" 1018 COLD ROLLED STEEL MACHINEABLE JAW STOCK (CONTINUED)						
	SJSSS 1X2X8	36108	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x8"	\$110.00	
	SJSSS 1X2X8-10	36118	Ten	10 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2"x8"	\$495.00	
	SJSSS 1X2.25X6	37106	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2.25"x6"	\$90.00	
	SJSSS 1X2.25X6.3	37107	Two	2 pcs Soft Jaw 1018 Steel SMARTstopped 1"x2.25"x6.3"	\$90.00	
3/4" x 2" 6061 EXTRUDED ALUMINUM JAW STOCK						
	ALEX 3/4X2X31	21031	One	1 pc Cut to Any Length Aluminum Extrusion 3/4"x2"x31"	\$27.00	
	ALEX 3/4X2X94	21094	One	1 pc Cut to Any Length Aluminum Extrusion 3/4"x2"x94"	\$80.00	
	SJASS 3/4X2X4.5	21104	Two	2 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x4.5"	\$26.00	
	SJASS 3/4X2X4.5-10	21114	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x4.5"	\$117.00	
	SJASS 3/4X2X6	21106	Two	2 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x6"	\$30.00	
	SJASS 3/4X2X6-10	21116	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x6"	\$135.00	
	SJASS 3/4X2X8	21108	Two	2 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x8"	\$40.00	
	SJASS 3/4X2X8-10	21118	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 3/4"x2"x8"	\$180.00	



Accessory tooling is color coded by Master Jaw Set for easy selection and best performance.

MJSSG 4-100

MJSSG 4

MJSSG 6

MJSSG 5+1

MJSSG 6-125

MJSSG 6-160

MJSSG 8

MJSAM 6












Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
1"x 1.71" FLIPPABLE 6061 EXTRUDED ALUMINUM JAW STOCK						
	ALEX 1XFX31	24031	One	1 pc Cut to Any Length Aluminum Extrusion Flippable 1"x1.71"x31"	\$35.00	
	ALEX 1XFX94	24094	One	1 pc Cut to Any Length Aluminum Extrusion Flippable 1"x1.71"x94"	\$97.50	
	SJASS-1XFX4.5	24104	Two	2 pcs Soft Jaw Aluminum Flippable SMARTstopped 1"x1.71"x4.5"	\$26.00	
	SJASS-1XFX4.5-10	24114	Ten	10 pcs Soft Jaw Aluminum Flippable SMARTstopped 1"x1.71"x4.5"	\$117.00	
	SJAFSS 1XFX6	24106	Two	2 pcs Soft Jaw Aluminum Flippable SMARTstopped 1"x1.71"x6"	\$34.00	
	SJAFSS 1XFX6-10	24116	Ten	10 pcs Soft Jaw Aluminum Flippable SMARTstopped 1"x1.71"x6"	\$153.00	
1"x 2-1/4" 6061 EXTRUDED ALUMINUM JAW STOCK						
	ALEX 1X2-1/4X31	22031	One	1 pc Cut to Any Length Aluminum Extrusion 1"x2-1/4"x31"	\$37.00	
	ALEX 1X2-1/4X94	22094	One	1 pc Cut to Any Length Aluminum Extrusion 1"x2-1/4"x94"	\$105.00	
	SJASS 1X2-1/4X4.5	22104	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x4.5"	\$27.00	
	SJASS 1X2-1/4X4.5-10	22114	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x4.5"	\$121.50	
	SJASS 1X2-1/4X6	22106	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x6"	\$35.50	
	SJASS 1X2-1/4X6.3	22107	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x6.3"	\$35.50	

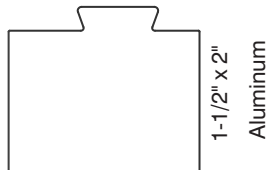
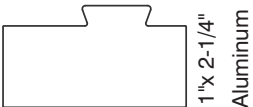
Accessory tooling is color coded by Master Jaw Set for easy selection and best performance.

MJSSG 4-100 MJSSG 4 MJSSG 6 MJSSG 6 MJSSG 6-125 MJSSG 6-160 MJSSG 8 MJSSAM 6













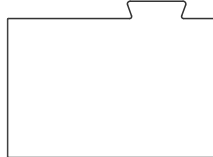
Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
1" x 2-1/4" 6061 EXTRUDED ALUMINUM JAW STOCK (CONTINUED)						
	SJASS 1X2-1/4X6-10	22116	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x6"	\$160.00	● ●
	SJASS 1X2-1/4X6.3-10	22117	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x6.3"	\$160.00	● ● ●
	SJASS 1X2-1/4X8	22108	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x8"	\$47.50	● ● ● ●
	SJASS 1X2-1/4X8-10	22118	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1"x2-1/4"x8"	\$214.00	● ● ● ●
1-1/2" x 2" 6061 EXTRUDED ALUMINUM JAW STOCK						
	ALEX 1-1/2X2X31	25031	One	1 pc Cut to Any Length Aluminum Extrusion 1-1/2"x2"x31"	\$56.00	● ● ● ● ●
	ALEX 1-1/2X2X94	25094	One	1 pc Cut to Any Length Aluminum Extrusion 1-1/2"x2"x94"	\$155.00	● ● ● ● ●
	SJASS 1-1/2X2X4.5	25104	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x4.5"	\$32.00	● ●
	SJASS 1-1/2X2X4.5-10	25114	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x4.5"	\$144.00	● ●
	SJASS 1-1/2X2X6	25106	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x6"	\$44.00	● ●
	SJASS 1-1/2X2X6-10	25116	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x6"	\$198.00	● ●
	SJASS 1-1/2X2X8	25108	Two	2 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x8"	\$59.00	● ● ●
	SJASS 1-1/2X2X8-10	25118	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 1-1/2"x2"x8"	\$265.50	● ● ● ●










Accessory tooling is color coded by Master Jaw Set for easy selection and best performance.

MJSSG 4-100 MJSSG 4 MJSSG 6 MJSSG 6 MJSSG 5+1 MJSSG 6-125 MJSSG 6-160 MJSSG 8 MJSSAM 6

Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
2"x3" 6061 EXTRUDED ALUMINUM JAW STOCK						
	ALEX 2X3X31	23031	One	1 pc Cut to Any Length Aluminum Extrusion 2"x3"x31"	\$96.00	● ● ● ● ●
	ALEX 2X3X94	23094	One	1 pc Cut to Any Length Aluminum Extrusion 2"x3"x94"	\$291.00	● ● ● ● ●
	SJASS 2X3X6	23106	Two	2 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x6"	\$96.00	● ● ● ● ●
	SJASS 2X3X6.3	23107	Two	2 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x6.3"	\$96.00	● ● ● ● ●
	SJASS 2X3X6-10	23116	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x6"	\$432.00	● ● ● ● ●
	SJASS 2X3X6.3-10	23117	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x6.3"	\$432.00	● ● ● ● ●
	SJASS 2X3X8	23108	Two	2 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x8"	\$128.00	● ● ● ● ●
	SJASS 2X3X8-10	23118	Ten	10 pcs Soft Jaw Aluminum SMARTstopped 2"x3"x8"	\$576.00	● ● ● ● ●



2"x3"
Aluminum

Item	Descriptive #	EDP #	Qty per Pkg	Description	List \$	Recommended Accessories
ACCESSORIES						
	1/2-13 LHCS	80001	One	1/2-13 Low Head Cap Screw	\$1.75	● ● ● ●
	M12 LHCS	80002	One	M12 Low Head Cap Screw	\$1.75	● ● ● ●
	Clamp Screw	80003	One	5/16-24 RH/LH Differential Screw	\$2.00	● ● ● ●
	Clamp Assy 6	80005	One	Carvesmart 5/16-24 Clamp Assembly for 4" and 6" Units and Fixtures	\$19.00	● ● ● ●
	Clamp Assy 8	80006	One	Carvesmart 3/8-24 Clamp Assembly for 8" Units and Fixtures	\$39.00	● ● ● ●
	Wrench	80010	One	5/32" Bohndus Hex Wrench USA Made	\$6.00	● ● ● ●
	Dowel Pins	80004	100pcs	SMARTstop 1/4 X 3/8 Dowel Pins Black Oxided for Rust Protection	\$30.00	● ● ● ●

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MJSSG 4-100

MJSSG 4

MJSSG 6

MJSSG 5+1

MJSSG 6-125

MJSSG 6-160

MJSSG 8

MJSSG 6

MJSSG 8

MJSSG 6

MJSSG 6

MJSSG 8

MJSSG 6

MJSSG 6

MJSSG 6



CARVESMART™ BUNDLE

SAVE TIME! Order our most popular vise, the NC series, with a Carvesmart starter set bundle. Use the following part numbers:

Part Number	Precision Vise	Steel Master Jaw Size	Aluminum Soft Jaw Size
CLRH-9-3072-0215-VS	NC 100 vise w/ lb gauge, hyd./mech.	4.2 in.	1 in. x 1.71 in. x 4.5 in.
CLRH-9-3073-0215-VS	NC 125 vise w/ lb gauge, hyd./mech.	6.0 in.	1 in. x 1.71 in. x 6.0 in.
CLRH-9-3074-0215-VS	NC 160 vise w/ lb gauge, hyd./mech.	6.3 in.	1 in. x 2.25 in. x 6.3 in.

Each comes with a set of 4 clamping claws, precision workpiece stop, tool steel master jaw set, aluminum flippable smartstopped soft jaw.

NC Vise Bundle



CARVESMART steel dovetailed quick change master jaws. Large dovetail for strength and performance.

Two SMARTstop™ slots on 2" centers

Master Jaw Set includes: two (2) master jaws, four (4) LHCS and a wrench

NC Vise Bundle Includes —

- Powerful NC Vise Has Built-in Hydraulics With Minimal Effort. A few easy turns on the crank handle of the NC vise results in extremely high holding force due to built-in hydraulic power.
- Clamping force gauge tells you how much holding force is being applied to your workpiece.
- Precision adjustable workpiece stop
- CARVESMART™ steel master jaw set
- Blank aluminum jaw set
- Mounting claws



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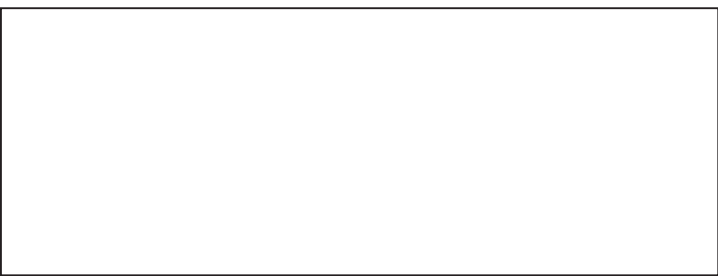
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Other Products From Carr Lane Roemheld

- CNC Machining Center Vises
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- Quick Die Change for Stamping
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