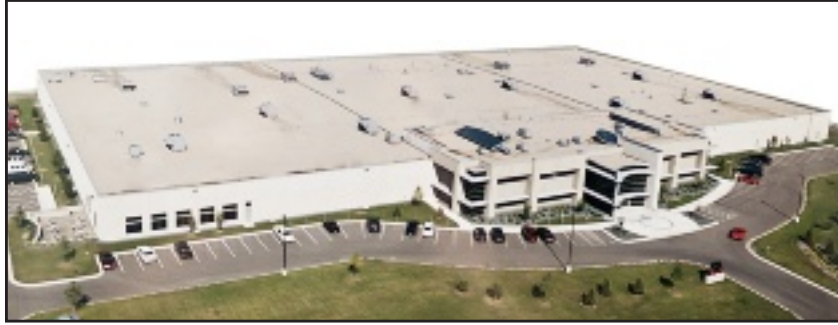




Pneumatic Workholding Technology

DYNOGRIP AIR™ PNEUMATIC WORKHOLDING SYSTEM



Headquartered in Anoka, Minnesota, in a 300,000 sq. ft. (28,000m²) state-of-the-art facility.



SEVEN DECADES OF EXCELLENCE

Founded in 1962, Mate is a world-class manufacturer of superior solutions for the metal cutting and metal forming industries. We manufacture workholding systems, CNC punch press tooling, and offer a complete line of press brake tooling and laser consumables. Mate products and services are available worldwide, fully supported by more than 80 dealers in every industrialized country.



PERSONAL, RESPECTFUL RELATIONSHIPS

Mate does business with people, not companies. Our connection to you is personal. Mate's team of manufacturing and metalworking professionals knows what you go through. We know what it's like to compete for that next job, manage deadlines or even need a rescue. With Mate you have a partner that respects your knowledge and is dedicated to helping you succeed.

YOUR GO-TO SOURCE

Serving our customers is at the core of who we are. In your plant or on the phone, we're up for whatever metalworking challenges you face. Your Mate representatives are experts who know from experience what happens on the shop floor and provide our legendary in-field support. They speak your language, fully capable of helping you improve processes and solve problems. Mate customer service is ready to assist with fast quotes, guiding your order on to our top-notch machinists and shipping pros.



GET INSPIRED!

With our vast knowledge and broad product range we inspire innovative thinking. Our customer's projects can be seen around the world: from unique building façades thought to be impossible to make, to a new way to add strength to thin material. The possibilities are endless, so think big, bold and beyond.

WE'VE GOT YOU COVERED

Dedicated to quality in every aspect of our business, Mate offers an extensive standard product line that can be delivered with same day or next day service. All Mate products are backed with our industry leading 100% customer satisfaction guarantee.



MATE'S MISSION AND PROMISE TO YOU:

Mate's mission is to personally **Respect, Support** and **Inspire** metalworking professionals around the world with high-quality products and services for factory productivity.

Precision Workholding Technology

Mate™ Pneumatic Workholding System Overview

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DynoGrip Air™ System

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Welcome to Mate Pneumatic Workholding

Increase your factory productivity with the next generation of pneumatic workholding from Mate Precision Technologies: Mate DynoGrip Air pneumatic vises. Designed for automated machining environments, DynoGrip Air delivers exceptional clamping performance, repeatability, and reliability in an automation-ready package. Whether you choose the grooved or quick-change configuration, DynoGrip Air helps maximize machine uptime while minimizing setup time and maintenance.

Mate understands your manufacturing challenges. We have decades of machining experience producing precision, high-quality steel products for customers around the world. Using this knowledge, Mate designed DynoGrip Air to withstand the demands of modern production machining. Engineered with premium H13 and S7 tool steels, precision-ground reference surfaces, and a proprietary continuous grease dispensing system, DynoGrip Air pneumatic vises combine best-in-class performance with a rugged, serviceable design that reduces downtime and process variability. High clamping force, exceptional accuracy and repeatability, minimal jaw lift, and field-serviceable components provide consistent results in demanding production environments. Ideal for automation and low-mix, high-volume manufacturing, DynoGrip Air keeps production moving with confidence. DynoGrip Air is truly made for machinists by machinists.

Available in both grooved and quick-change configurations, DynoGrip Air is compatible with existing jaw systems while offering flexible accessory options including sensors, springs, machinable jaws, console plates, and air control kits. Removable rails, integrated lifting features, and QuickSpecs QR technology further simplify setup, maintenance, and integration into automated manufacturing systems.

Made in the USA. Built for demanding production environments. Made for machinists by machinists.

Catalog content subject to change without notice.



GROOVED DYNOGRIp AIR VISE

Mate's pneumatic vise works as smart and hard as you do. Our machinists and engineers developed this product to solve your automation challenges. A closer look at the following product highlights shows just how much thought went into designing and building the DynoGrip Air grooved pneumatic vise.

Product highlights:

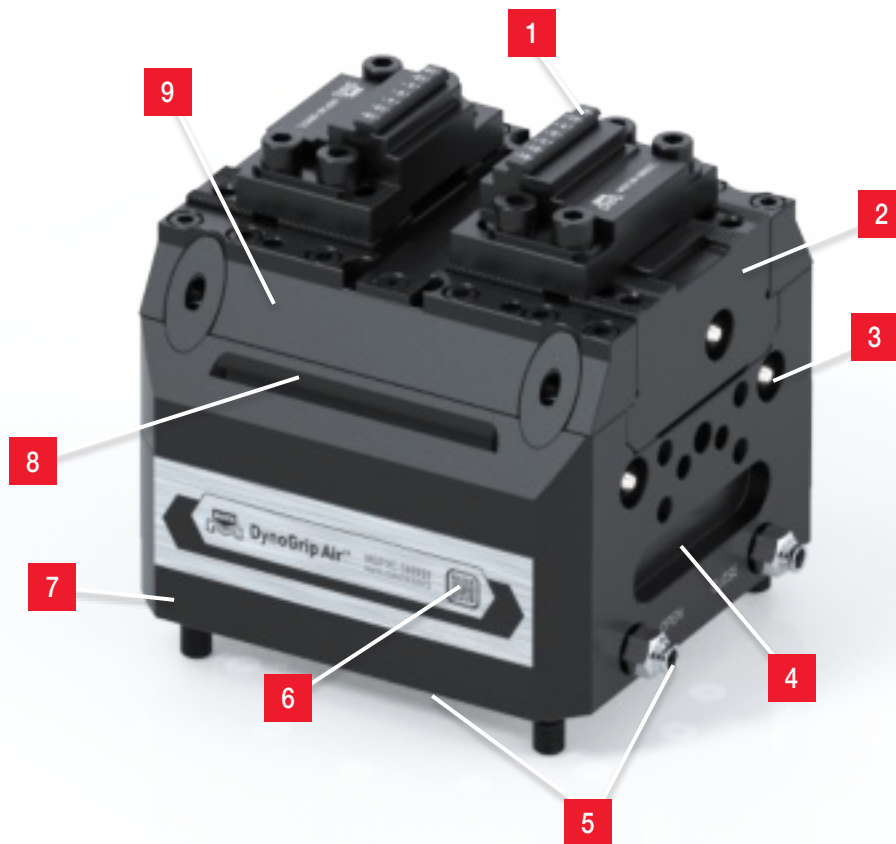
- Best-in-class **ACTUAL** clamping force 25kN (5620lbf) | 30kN (6750lbf)
- Best-in-class repeatability of vise return to center of 0.005mm (0.0002")
- Best-in-class jaw lift
- Jaws made from highly-alloyed, tool steel (core hardness 45-50 HRC, surface hardness up to 65HRC)
- Premium S7 and H13 tool steel construction for maximum rigidity and longevity
- Compatible with zero-point mounting systems or mount directly to the machine bed
- Patent pending
- Made in USA

Best-In-Class

Repeatability:	0.005mm	0.0002"
----------------	---------	---------

Pressure and Force

	160mm Vise with 80mm Jaw (No Springs)	160mm Vise with 80mm Jaw (With Springs)
Max Pressure	9 bar	9 bar
Max ACTUAL Force	25kN	30kN
Max Pressure	130psi	130psi
Max ACTUAL Force	5620 lbf	6750 lbf



1. Interchangeable and reversible S7 tool steel jaws with pentahedral teeth for superior workpiece penetration and holding force
2. Standard grooved pusher for compatibility with existing jaw systems
3. Grease reservoir with continuous dispensing system for sustained performance and clamping force
4. Lifting features for improved ergonomics during install and removal
5. Side and bottom air ports for enhanced machine tool automation compatibility
6. Mate's QuickSpecs™ Smartphone-enabled and 3D graphic supported bar code that links to complete product specs and CAD files
7. Tool steel construction and Black Diamond™ surface treatment on vise body, pushers, and jaws for maximum life
8. Precision ground reference surface for quick setup and alignment
9. Removable and replaceable rails for simplified maintenance and cleaning without removing the vise from the table

<https://www.mate.com/patents/>

[Dimensions in mm(in)]. Images are proportionate but not to scale.



QUICK-CHANGE DYNOGRIP AIR VISE

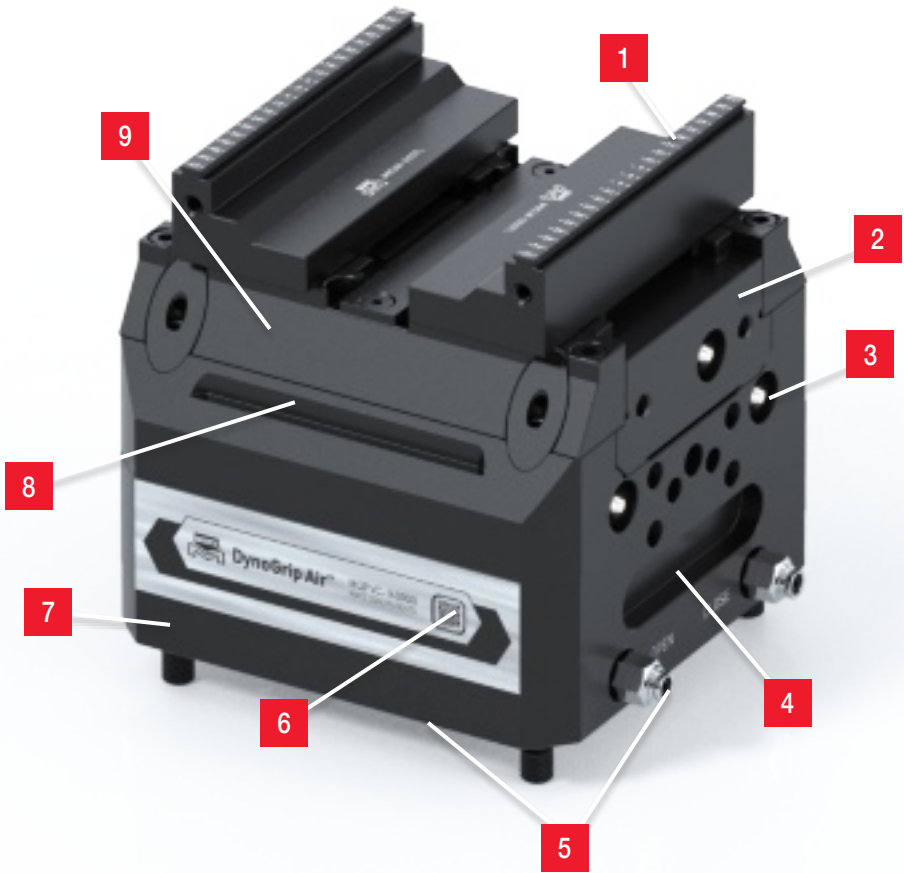
The quick-change DynoGrip Air pneumatic vise is ideal for OP20 operations. Eliminate jaw lift and solve other common automation frustrations. Change jaws in seconds with our patented quick-change design. Eliminate long and cumbersome setup operations. A closer look at the following product highlights shows just how much thought went into designing and building the DynoGrip Air quick-change pneumatic vise.

Product highlights:

- Best-in-class **ACTUAL** clamping force 20kN (4500lbf) | 23kN (5170lbf)
- Best-in-class repeatability of vise return to center of 0.020mm (0.0008")
- Best-in-class jaw lift
- Jaws made from highly-alloyed, tool steel (core hardness 45-50 HRC, surface hardness up to 65HRC)
- Premium S7 and H13 tool steel construction for maximum rigidity and longevity
- Compatible with zero-point mounting systems or mount directly to the machine bed
- Patent pending
- Made in USA

Best-In-Class		
Repeatability:	0.020mm	0.0008"

Pressure and Force		
	160mm Vise with 125mm Jaw (No Springs)	160mm Vise with 125mm Jaw (With Springs)
Max Pressure	9 bar	9 bar
Max ACTUAL Force	20kN	23kN
Max Pressure	130psi	130psi
Max ACTUAL Force	4500 lbf	5170 lbf



1. Interchangeable and reversible S7 tool steel jaws with pentahedral teeth for superior workpiece penetration and holding force
2. Anti-Lift Design - the pusher and jaw exert downward force on the workpiece
3. Grease reservoir with continuous dispensing system for sustained performance and clamping force
4. Lifting features for improved ergonomics during install and removal
5. Side and bottom air ports for enhanced machine tool automation compatibility
6. Mate's QuickSpecs™ Smartphone-enabled and 3D graphic supported bar code that links to complete product specs and CAD files
7. Tool steel construction and Black Diamond™ surface treatment on vise body, pushers, and jaws for maximum life
8. Precision ground reference surface for quick setup and alignment
9. Removable and replaceable rails for simplified maintenance and cleaning without removing the vise from the table

[Dimensions in mm(in)]. Images are proportionate but not to scale.

[Dimensions in mm(in)]. Images are proportionate but not to scale.



MGPVC-160000

	Information	Metric	Imperial
Part Number	MGPVC-160000		
Jaw Width		80mm	3.15"
Minimum Opening		34mm	1.34"
Maximum Opening		124mm	4.88"
Maximum Pressure	See Page 9	9 bar	130psi
Maximum Clamping Force	See Page 9	25kN	5620 lbf
Repeatability		0.005mm	0.0002"
Stroke Length		3mm	0.118"
Vise Overall Length		160mm	6.30"
Vise Overall Width		160mm	6.30"
Vise Overall Height		155mm	6.10"
Vise Overall Weight		18.0kg	39.6lbs
Mounting Bores Quantity	4		
Mounting Bores Spacing		125mm	4.92"
Mounting Bores - Inside Diameter		12mm	0.47"
Vise Rotational Clearance	See Page 10	210mm	8.27"

Accessories

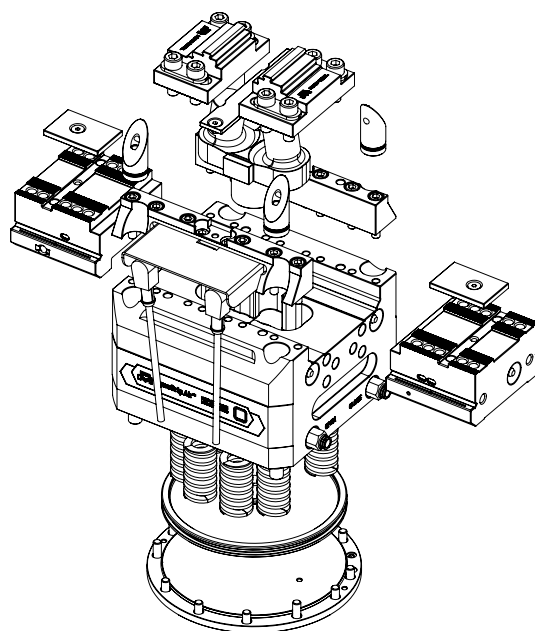
Standard Jaw (Individual)	MGPJW-080STL	11
Machinable Aluminum Jaw (Individual)	MGPJW-080AL2	12
Machinable Steel Jaw (Individual)	MGPJW-080ST2	12
Console Plate	MOPAC-160CPL	16
Console Plate with 52 Pull Studs	MOPAC-160CPL-01	16
Console Plate with 96 Pull Studs	MOPAC-160CPL-02	16
Vise Rail with Sensors	MOPAC-160VRS	17
Sensor Kit	MOPAC-160SEK	17
Air Control Kit	MOPAC-160AC	17
Vise Mounting Hardware Kit	MOPAC-160MFK	17
Grease Kit	MOPAC-160GFK	17
Spring Kit	MOPAC-160SPK	17
Grooved Vise Jaw Mounting Hardware Kit	MGPAC-160JFK	17
O-ring Seal Kit	MOPAC-160ASK	17
Air Fittings Kit	MOPAC-160AFK	17

Assembly - MGPVC-160000

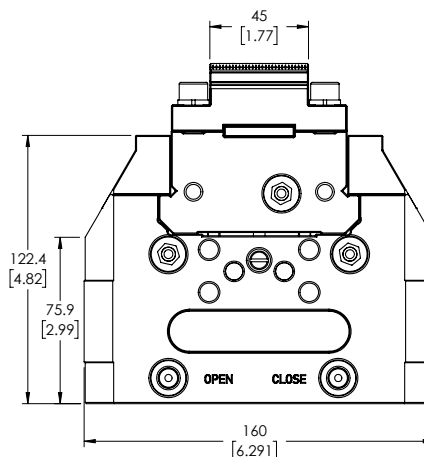
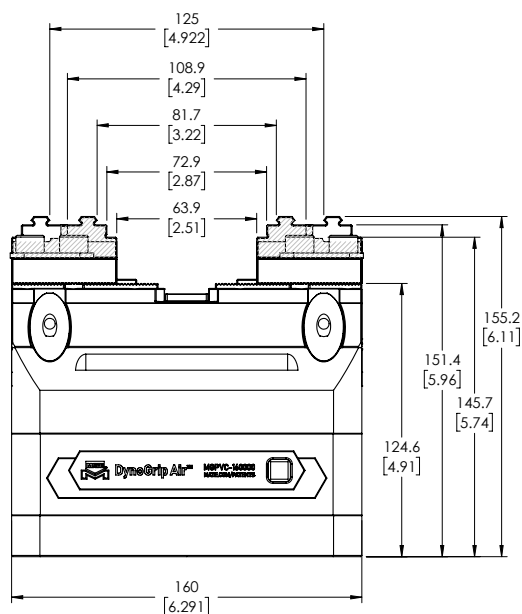


Exploded View

SEE PAGE 8 FOR BOM DETAILS



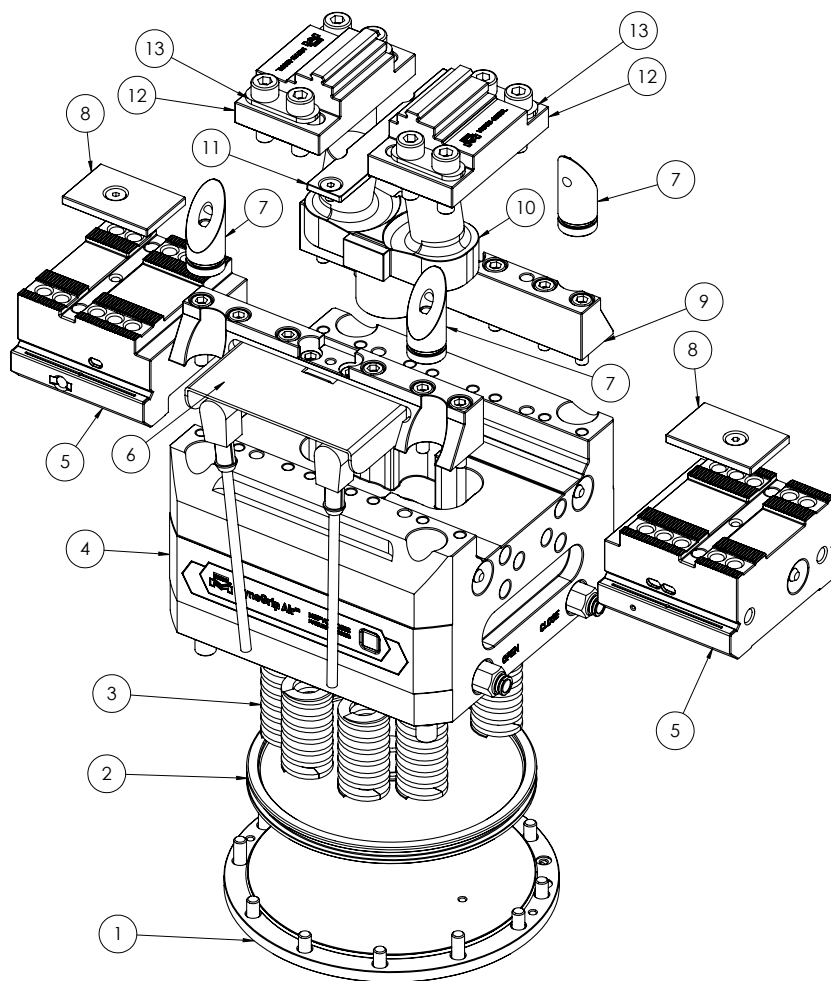
Key Dimensions



[Dimensions in mm(in)]. Images are proportionate but not to scale.



DYNOGRIP AIR™ VISES BOM CHART



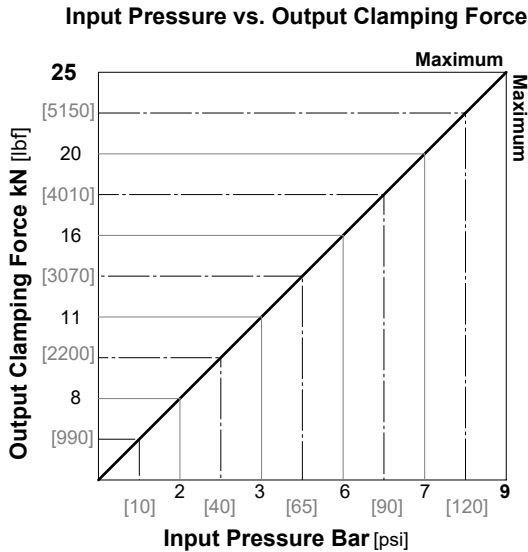
			MGPVC-160000	MGPVC-160SNS	MGPVC-160SPG	MGPVC-160SPS	MQPVC-160000	MQPVC-160SNS	MQPVC-160SPG	MQPVC-160SPS
Balloon Item #	Description	QTY	Replacement Part Number							
1	Bottom Cover	1	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV	MOPAC-160BCV
2	Piston Plate	1	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP	MOPAC-160PP
3	Springs	1	NA	NA	MOPAC-160SPK	MOPAC-160SPK	NA	NA	MOPAC-160SPK	MOPAC-160SPK
4	Vise Body	1	MGPVB-160000	MGPVB-160000	MGPVB-160000	MGPVB-160000	MGPVB-160000	MGPVB-160000	MGPVB-160000	MGPVB-160000
5	Vise Jaw Pusher	2	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP	MGPAC-160JP
6	Vise Rail with Sensors	Varies	SEE ITEM 9	MOPAC-160VRS (Qty 1)	SEE ITEM 9	MOPAC-160VRS (Qty 1)	SEE ITEM 9	MOPAC-160VRS (Qty 1)	SEE ITEM 9	MOPAC-160VRS (Qty 1)
7	Bolt Hole Plugs	4	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP	MOPAC-160MP
8	Vise Jaw Centering Key	2	MGPAC-160KE	MGPAC-160KE	MGPAC-160KE	MGPAC-160KE	NA	NA	NA	NA
9	Vise Rail	Varies	MOPAC-160VRN (Qty 2)	MOPAC-160VRN (Qty 1)	MOPAC-160VRN (Qty 2)	MOPAC-160VRN (Qty 1)	MOPAC-160VRN (Qty 2)	MOPAC-160VRN (Qty 1)	MOPAC-160VRN (Qty 2)	MOPAC-160VRN (Qty 1)
10	Vise Piston Fork	1	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF	MOPAC-160PF
11	Top Center Cover	1	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC	MOPAC-160TC
12	Vise Hardened Jaw	2	MGPJW-080STL	MGPJW-080STL	MGPJW-080STL	MGPJW-080STL	M90JW-125STL	M90JW-125STL	M90JW-125STL	M90JW-125STL
13	Vise Jaw Washer	2	MGPAC-160WA	MGPAC-160WA	MGPAC-160WA	MGPAC-160WA	NA	NA	NA	NA



160 Series Grooved DynoGrip Air 80mm Wide Jaw

(No Springs)

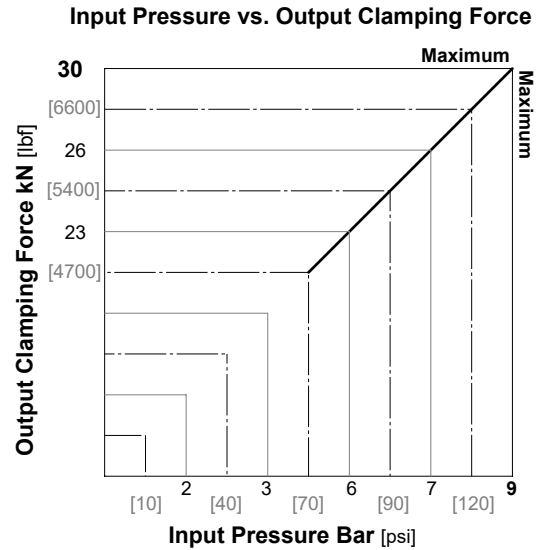
Pressure and Clamp Force Chart



160 Series Grooved DynoGrip Air 80mm Wide Jaw

(With Springs)

Pressure and Clamp Force Chart

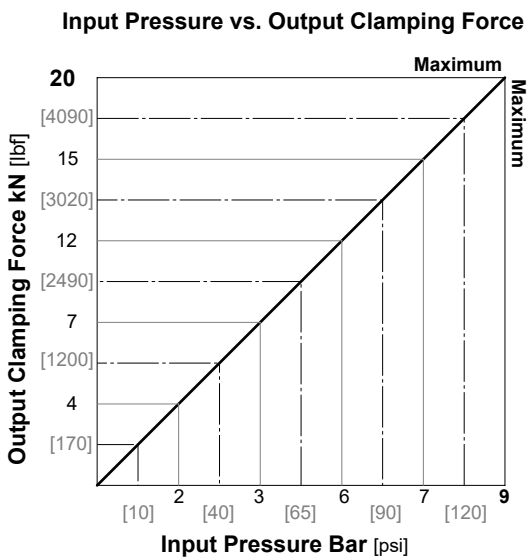


*Minimum 5 bar | 70 psi pressure required to actuate

160 Series Quick-Change DynoGrip Air 125mm Wide Jaw

(No Springs)

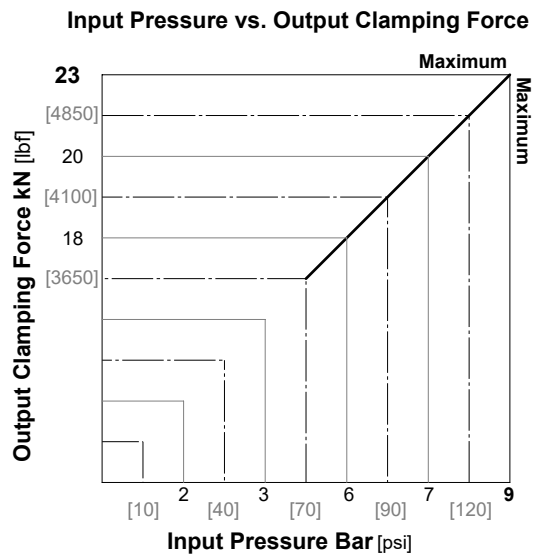
Pressure and Clamp Force Chart



160 Series Quick-Change DynoGrip Air 125mm Wide Jaw

(With Springs)

Pressure and Clamp Force Chart



*Minimum 5 bar | 70 psi pressure required to actuate



Vise Assemblies Configurations Table

Each variation is useful for specific user needs:

- Variation VC (Vise Complete) is the most common configuration. All standard components are included.
- Variation VN is intended for applications using Mate machinable jaws.
- Variation VB is the body only. Intended as a replaceable component.

Accessory Options Configurations Table

Each variation is useful for specific user needs:

- Variation 000 is the most common configuration. No accessory options included.
- Variation SPG includes an added spring pack and is intended for applications which require additional clamping force.
- Variation SNS includes a vise rail with sensors installed and is intended for applications where jaw position monitoring is desired.
- Variation SPS includes an added spring pack and vise rail with sensors installed.



Page	Part Number	Vise Configuration	Vise Configuration Description	Accessory Option	Accessory Option Description
6	MGPVC-160000	VC	Vise Complete	000	None
	MGPVN-160000	VN	Vise Without Jaws	000	None
	MGPVC-160SPG	VC	Vise Complete	SPG	Spring Pack
	MGPVN-160SPG	VN	Vise Without Jaws	SPG	Spring Pack
	MGPVC-160SNS	VC	Vise Complete	SNS	Sensor Rail
	MGPVN-160SNS	VN	Vise Without Jaws	SNS	Sensor Rail
	MGPVC-160SPS	VC	Vise Complete	SPS	Spring Pack and Sensor Rail
	MGPVN-160SPS	VN	Vise Without Jaws	SPS	Spring Pack and Sensor Rail
7	MGPVB-160000	VB	Vise Body Only	000	None
	MQPVC-160000	VC	Vise Complete	000	None
	MQPVN-160000	VN	Vise Without Jaws	000	None
	MQPVC-160SPG	VC	Vise Complete	SPG	Spring Pack
	MQPVN-160SPG	VN	Vise Without Jaws	SPG	Spring Pack
	MQPVC-160SNS	VC	Vise Complete	SNS	Sensor Rail
	MQPVN-160SNS	VN	Vise Without Jaws	SNS	Sensor Rail
	MQPVC-160SPS	VC	Vise Complete	SPS	Spring Pack and Sensor Rail
	MQPVN-160SPS	VN	Vise Without Jaws	SPS	Spring Pack and Sensor Rail
	MQPVB-160000	VB	Vise Body Only	000	None

INFORMATION ROTATIONAL CLEARANCE

Vise Rotational Clearance

Rotational clearance can be described as the smallest diameter that has no interference with any part of the vise assembly

Rotational clearance is important when calculating a full 360° rotation of the vise assembly

Grooved Vise	Diameter Metric	Diameter Imperial	Interference Point
MGPVC-160000	210mm	8.27"	Vise Corners
MGPVC-160SNS	217mm	8.54"	Sensor Shield
MGPVC-160SPG	210mm	8.27"	Vise Corners
MGPVC-160SPS	217mm	8.54"	Sensor Shield
Quick-Change Vise			
MQPVC-160000	210mm	8.27"	Vise Corners
MQPVC-160SNS	217mm	8.54"	Sensor Shield
MQPVC-160SPG	210mm	8.27"	Vise Corners
MQPVC-160SPS	217mm	8.54"	Sensor Shield



[Dimensions in mm(in)]. Images are proportionate but not to scale.



DynoGrip Air Jaw Options

DynoGrip Air Vise Part Number	MGPVC-160000	MQPVC-160000
Jaw Width	80mm	125mm
Standard Hard Jaw Quantity 1	MGPJW-080STL	M90JW-125STL
Standard Hard Jaw (Pair) Quantity 2	MGPJP-080STL	M90JP-125STL
Machinable Soft Jaw - Aluminum Quantity 1	MGPJW-080AL2	M90JW-125AL2 (Requires Adapter)
Machinable Soft Jaw - Steel Quantity 1	MGPJW-080ST2	M90JW-125ST2 (Requires Adapter)
Machinable Soft Jaw Adapter Hardware Included Quantity 1	NA	M90JA-125
Assembly of Adapter + Aluminum Jaw Quantity 2	NA	M90JP-125AL2
Assembly of Adapter + Steel Jaw Quantity 2	NA	M90JP-125ST2
Machinable Hard Jaw Quantity 1	NA	M90JW-125HS2

Standard Hardened Jaws

Pneumatic Vise Style	Jaw Part Number	Jaw Style	Jaw Description
Grooved	MGPJP-080STL	Jaw (Pair) Hardened Steel	Kit of two jaws for 160mm grooved DynoGrip Air vises
Quick Change	M90JP-125STL	Jaw (Pair) Hardened Steel	Kit of two jaws for 160mm quick-change DynoGrip Air vises



[Dimensions in mm(in)]. Images are proportionate but not to scale.



160 Series Grooved Machinable Soft Jaws

Part Number	Quantity	Jaw Material	Type			
MGPJW-080AL2	1	Aluminum 6061	Machinable Blank			
MGPJW-080ST2	1	Steel AISI 1018	Machinable Blank			

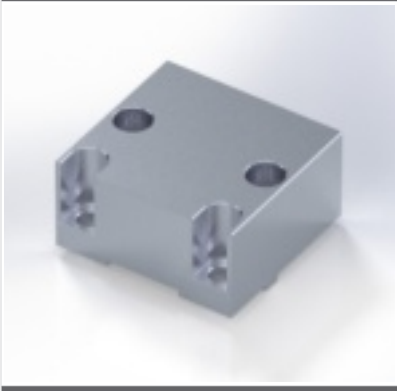
Soft Jaw Dimensions - Metric

Description	Height	Length	Width	Hole Depth	Size	Torque
Usable Area	30mm	56mm	41mm			
Total Blank	40mm	76mm	80mm			
Socket Head Cap Screw				28mm	M8x1.25x25	
Screw Torque Aluminum					6mm Hex	41Nm
Screw Torque Steel					6mm Hex	41Nm

Soft Jaw Dimensions - Inch

Description	Height	Length	Width	Hole Depth	Size	Torque
Usable Area	1.18"	2.21"	1.60"			
Total Blank	1.58"	2.99"	3.15"			
Socket Head Cap Screw				1.10"	M8x1.25x25	
Screw Torque Aluminum					6mm Hex	30 ft-lbs
Screw Torque Steel					6mm Hex	30 ft-lbs

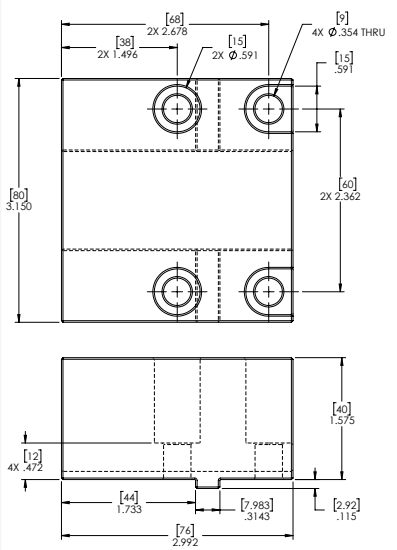
Machinable Aluminum Soft Jaw



Machinable Steel Soft Jaw



Key Dimension Drawing



[Dimensions in mm(in)]. Images are proportionate but not to scale.





160 Series Quick-Change Machinable Soft Jaws

Part Number	Quantity	Jaw Material	Type	Information
M90JW-125AL2	1	Aluminum	Machinable Blank	
M90JW-125ST2	1	Steel 1018	Machinable Blank	
M90JP-125AL2	2	Aluminum	Assembly	Assembly of Adapter and Machinable Blank
M90JP-125ST2	2	Steel 1018	Assembly	Assembly of Adapter and Machinable Blank
M90JA-125	1		Adapter	Includes mounting hardware (four cap screws and two dowel pins)

Soft Jaw Dimensions - Metric

Description	Height	Length	Width	Offset	Hole Depth	Size	Torque
Usable Area	35mm	57mm	125mm				
Total Blank	50mm	57mm	125mm				
One-Way Pin Hole Offset				2mm			
Dowel Pin					8mm	8mm X 16mm	
Socket Head Cap Screw					8mm	M8x1.25x12	
Screw Torque Aluminum						6mm Hex	28Nm
Screw Torque Steel						6mm Hex	40Nm

Soft Jaw Dimensions - Inch

Description	Height	Length	Width	Offset	Hole Depth	Size	Torque
Usable Area	1.38"	2.25"	4.90"				
	1.97"	2.25"	4.90"				
One-Way Pin Hole Offset				0.08"			
Dowel Pin					0.32"	8mm X 16mm	
Socket Head Cap Screw					0.32"	M8x1.25x12	
Screw Torque Aluminum						6mm Hex	21 ft-lbs
Screw Torque Steel						6mm Hex	29 ft-lbs

Machinable Soft Jaw Assembly



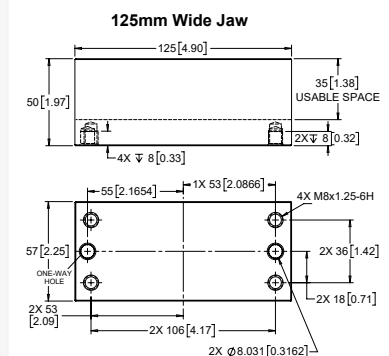
Machinable Soft Jaw Adapter



Machinable Soft Jaw Blank



Key Dimension Drawing





160 Series Quick-Change Machinable Hard Jaws

Part Number	Quantity	Jaw Material	Type	Information
M90JW-125HS2	1	S7 Tool Steel	Machinable Hard Jaw	45-50 HRC

Machinable Hard Jaw Dimensions - Metric

Description	Height	Length	Width	
Usable Area	20mm	47mm	125mm	
Total Blank	32mm	47mm	125mm	

Machinable Hard Jaw Dimensions - Inch

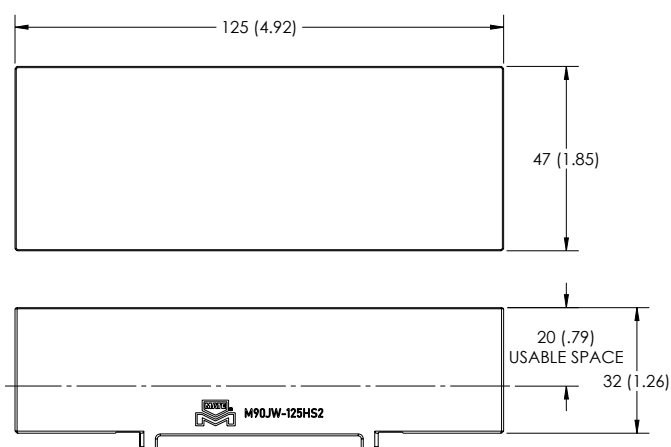
Description	Height	Length	Width	
Usable Area	0.79"	1.85"	4.92"	
Total Blank	1.26"	1.85"	4.92"	

Machinable Hard Jaw

Machinable Hard Jaw Drawing



96 125mm Wide Jaw



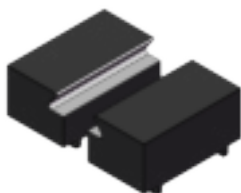
[Dimensions in mm(in)]. Images are proportionate but not to scale.



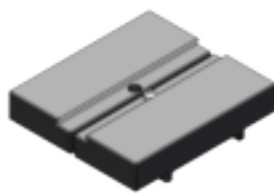
The versatility of machinable hard jaws offers endless possibilities. Mate can configure various sizes, shapes, and orientations to create the perfect solution for your application needs. Please contact your local representative or Mate customer service for assistance.

10 DAYS OR LESS!

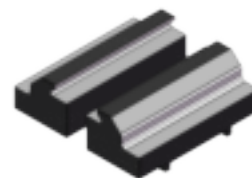
Most custom configurations of Mate's machinable hard jaws ship in ten days or less.



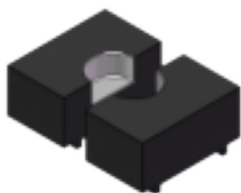
A01 - Dovetail - Custom Angle



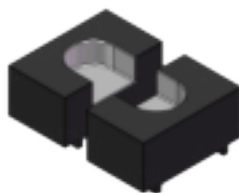
A02 - Dovetail - With Locating Pin



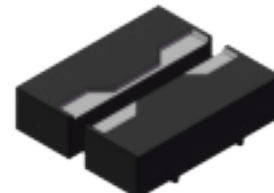
A03 - Dovetail - Picatinny Rail



B01 - Profile - Round



B02 - Profile - Oblong



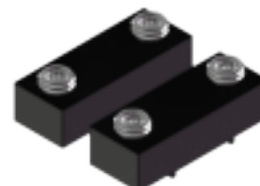
B03 - Profile - Custom



B04 - Profile - Custom with Center Jaw



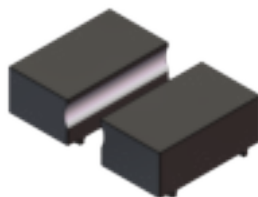
B05 - Profile - V-Shape with Teeth



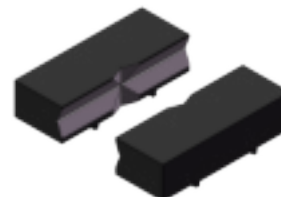
C01 - Inserts - Round



C02 - Inserts - Serrated



D01 - Face - Round



D02 - Face - Prism

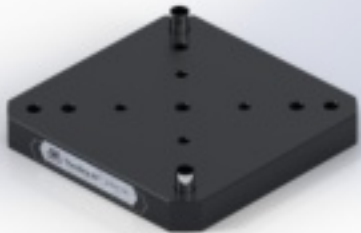
[Dimensions in mm(in)]. Images are proportionate but not to scale.



CONSOLE PLATES

MOPAC-160CPL			
	Information	Metric	Imperial
Use For	Zero Point Base Compatibility		
Length		6.30"	160mm
Width		6.30"	160mm
Height		0.85"	21mm
Weight		8.8 lbs	4.0 kgs
Material	H13 Tool Steel		
DynoLock 52 Series Compatibility	Pull Studs Not Included (M5MAC-PS)		
DynoLock 96 Series Compatibility	Pull Studs Not Included (M9MAC-PS)		
40mm Pin ZPS Compatibility	Pull Studs Not Included (M00AC-PN-01 and M00AC-PN-02)		

What's Included with M0MAC-160CPL?



Description	Part Number	Quantity
Console Plate	MATE03027	1
Bushing	MATE02804	2

MOPAC-160CPL-01			
	Information	Metric	Imperial
Use For	Zero Point Base Compatibility		
Length		6.30"	160mm
Width		6.30"	160mm
Height		0.85"	21mm
Weight		9.1 lbs	4.1 kgs
Material	H13 Tool Steel		
DynoLock 52 Series Compatibility	Pull Studs Installed		

What's Included with M0MAC-160CPL-01?



Description	Part Number	Quantity
Console Plate	MATE03027	1
Bushing	MATE02804	2
Pull Studs	M5MAC-PSS	4

MOPAC-160CPL-02			
	Information	Metric	Imperial
Use For	Zero Point Base Compatibility		
Length		6.30"	160mm
Width		6.30"	160mm
Height		0.85"	21mm
Weight		9.3 lbs	4.2 kgs
Material	H13 Tool Steel		
DynoLock 96 Series Compatibility	Pull Studs Installed		

What's Included with M0MAC-160CPL-02?



Description	Part Number	Quantity
Console Plate	MATE03027	1
Bushing	MATE02804	2
Pull Studs	M9MAC-PSS	4

[Dimensions in mm(in)]. Images are proportionate but not to scale.





Vises

Series	Part Number	Description	Where Used	
Sensors				
160	MOPAC-160VRS	Vise Rail with Sensors Installed	Sensor Rail for DynoGrip Air	
160	MOPAC-160SEK	Sensor and sensor hardware kit	Kit of sensors and mounting hardware	
Console Plates				
160	MOPAC-160CPL	Console Plate	Kit of console plate and bushings	
160	MOPAC-160CPL-01	Console Plate with 52 Series Pull Studs	Kit of console plate with pull studs and bushings	
160	MOPAC-160CPL-02	Console Plate with 96 Series Pull Studs	Kit of console plate with pull studs and bushings	
Air Kits				
160	MOPAC-160AC	Air Control Kit	Kit of pneumatic control valve, fittings, and tubing	
160	MOPAC-160ASK	Replacement O-ring Seal Kit	Kit of four O-rings for 160 Series DynoGrip Air vises	
160	MOPAC-160AFK	Air Fittings and Plugs Kit	Kit of two fittings, plugs, and bottom plugs	
Hardware Kits				
160	MOPAC-160MFK	Vise Mounting Hardware Kit	Kit of two shoulder bolts, bolts, and bushings	
160 Grooved	MOPAC-160JFK	Grooved Jaw Mounting Hardware Kit	Kit of four bolts and two washers for mounting jaws	
Grease Kits				
160	MOPAC-160GFK	Grease Kit	Kit of six grease zerks and four grease reservoir components	
Spring Kits				
160	MOPAC-160SPK	Spring Kit	Kit of eight springs for increased clamping force	
Vise Pushers				
160 Grooved	MGPAC-160JP	Grooved Vise Pusher (Individual)	One 160 Series Grooved vise pusher	
160 Quick-Change	MQPAC-160JP	Quick-Change Vise Pusher (Individual)	One 160 Series Quick-Change vise pusher	
Hardened Vise Jaws				
160 Grooved	MGPJP-080STL	Grooved Vise Jaw (Pair)	Two jaws for 160 Series Grooved vises	
160 Quick-Change	M90JP-125STL	Quick-Change Vise Jaw (Pair)	Two jaws for 160 Series Quick-Change vises	

[Dimensions in mm(in)]. Images are proportionate but not to scale.



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MGPAC-160WA	8
MGPJP-080AL2	12
MGPJP-080ST2	11
MGPJP-080STL	11
MGPJW-080AL2	12
MGPJW-080ST2	12
MGPJW-080STL	11
MGPVB-160000	10
MGPVC-160000	6
MGPVC-160SNS	10
MGPVC-160SPG	10
MGPVC-160SPS	10
MGPVN-160000	10
MGPVN-160SNS	10
MGPVN-160SPG	10
MGPVN-160SPS	10
MQPAC-160JP	17
MQPVB-160000	10
MQPVC-160000	7
MQPVC-160SNS	10
MQPVC-160SPG	10
MQPVC-160SPS	10
MQPVN-160000	10
MQPVN-160SNS	10
MQPVN-160SPG	10
MQPVN-160SPS	10



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