MATCO TOOLS

MVLP4

4" LOW PROFILE VISE KIT

PLEASE READ CAREFULLY & FOLLOW DIRECTIONS BEFORE USE

ASSEMBLING THE HANDLE:

1. Remove the contents from the box and lay out on an even surface.
2. Remove the Ratcheting Handle (3) and the Ratcheting Handle Screw (12) from the poly bag included in the vise box.
3. Slide the Ratcheting Handle (3) onto the end of the ACME Screw (11).
4. Screw in the Ratcheting Handle Screw (12) using the included 5mm hex key.
   Note: Be careful not to overtighten the screw in the handle assembly.

MOUNTING THE VISE:

1. Select a solid, level mounting surface capable of supporting the combined weight of the vise, intended workpieces and applicable forces.
2. Loosen T-Handle Swivel Base Lock Screws (5) and unlatch the Swivel Base Latch (6) on the Swivel Base Casting (13) to remove the Posi-Clock Disc (8).
3. Place the Posi-Clock Disc (8) onto your intended mounting surface.
4. Locate the "0" on your Posi-Clock Disc (8) and mount onto your bench in the desired orientation.
5. Use the holes in the Posi-Clock Disc (8) as a template to mark the bench surface. With a pencil, trace the inside of the machined holes.
6. Remove the Posi-Clock Disc (8) and drill holes for mounting hardware (not included).
   Note: Ensure selected mounting hardware fits the counterbored mounting holes in the Posi-Clock Disc (8). The head of the mounting hardware should not protrude above the surface of the disc, as it will interfere with mounting the Swivel Base Casting (13) to the Posi-Clock Disc (8).
7. Align disc mounting holes with drilled holes and secure the Posi-Clock Disc (8) to your surface using mounting hardware (not included). Do not overtighten hardware. All five mounting holes must be used for proper operation.
8. Loosen T-Handle Swivel Base Lock Screws (5), unlatch the Swivel Base Latch (6), and open Swivel Base Casting (13) to attach vise to the Posi-Clock Disc (8).
9. Slide the Swivel Base Casting (13) portion of the vise over the Posi-Clock Disc (8) and latch the base closed using the Swivel Base Latch (6).

OPERATION:

1. To adjust the orientation of the vise clamping pads, loosen the T-Handle Swivel Base Lock Screws (5) located on either side of the adjustable Swivel Base Casting (13). Grasp the Ratcheting Handle (3) firmly with one hand and the Swivel Base Casting (13) with the other to rotate the entire vise to your desired position. Once the orientation of the vise has been finalized, tighten both T-Handle Swivel Base Lock Screws (5) until they're engaged into the "V-shaped" channels located along the outer edge of the Posi-Clock Disc (8) (See Figure 1). The vise should be firmly fixed into the desired position. If the vise still moves, slightly rotate the vise in either direction to allow the T-Handle Swivel Base Lock Screws (5) to seat into the "V-shaped" channels.
2. To quickly adjust the opening of the vise, depress the Rapid Release Button (4) straight down with one hand while pulling on the Ratcheting Handle (3) with the other hand. The handle should be in the up position. This will rapidly open or close the jaws to the desired width.
3. To tighten the Serrated Jaws (7), depress the Selector Switch (10) to the left and begin moving the Ratcheting Handle (3) in a clockwise direction until a satisfactory grip is achieved. DO NOT OVERTIGHTEN. At no point should you use an extended pipe, tube or hammer to increase the amount of force applied to the adjustable Ratcheting Handle (3) as it will damage the vise.
4. To loosen the Serrated Jaws (7), depress the Selector Switch (10) to the right and begin moving the Ratcheting Handle (3) in a counter-clockwise direction. At no point should you use an extended pipe, tube or hammer to increase the amount of force applied to the adjustable Ratcheting Handle (3) as it will damage the vise.
5. Should the user decide to remove the Swivel Base Casting (13) and mount directly to a bench top, the Cast Body Attachment Screws (9) can be removed (4 pcs.). At this point, the vise can be attached to the bench using the set of holes for the Cast Body Attachment Screws (9) in either Portion A (1) or Portion B (2) of the vise.

MAINTENANCE:

1. Avoid using solvents when cleaning.
2. Most items are susceptible to damage from various types of commercial solvents.
3. Use clean cloths to remove dirt, dust, oil, grease, etc.
4. Lubricate regularly.

FIG 1

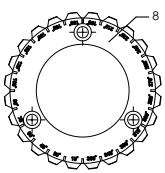


FIG 2

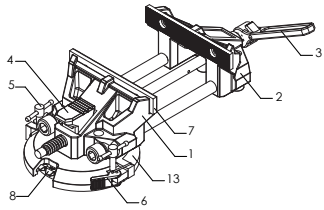


FIG 3

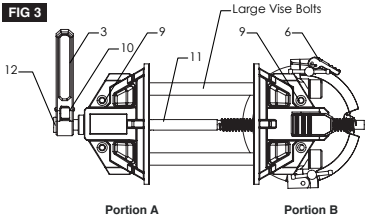
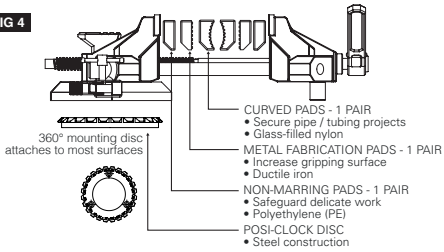


FIG 4



MATCO TOOLS®

4" LOW PROFILE VISE KIT

REPLACEMENT COMPONENTS:

ITEM#	VISE	PART#	REPLACEMENT COMPONENT
MVLP4	MATCO 4" Low Profile Vise	FSMVLP-HAN	Ratcheting Handle
		FS92746-05	Swivel Base Locks
		FS92746-07	Serrated Jaws
		FS93159	Posi-Clock Disc - Small
		FS92746-12	Large Vise Bolts
		MV2807	4" Jaw Pads - Curved
		MV2808	4" Jaw Pads - Steel
		MV2809	4" Jaw Pads - Non-Marring

ITEM#	VISE	PART#	REPLACEMENT COMPONENT
MVLP6	MATCO 6" Low Profile Vise	FSMVLP-HAN	Ratcheting Handle
		FS92748-05	Swivel Base Locks
		FS92748-07	Serrated Jaws
		FS93158	Posi-Clock Disc - Large
		FS92748-12	Large Vise Bolts
		MV2816	6" Jaw Pads - Curved
		MV2817	6" Jaw Pads - Steel
		MV2818	6" Jaw Pads - Non-Marring

GENERAL GUIDELINES AND WARNINGS:

- **Mount only according to these instructions. Improper mounting can create hazards.**
- **Keep work area clean and well lit.**
- **Keep bystanders out of the area during use.**
- **This product is not a toy. Do not allow children to play with or near this item.**
- **Use for intended purposes only.**
- **Inspect before use; do not use if parts are loose or damaged.**
- **Maintain product labels and nameplates. These carry important safety information. If unreadable or missing contact 1-800-255-7011 for a replacement.**
- **Before drilling vise mounting holes, check for hidden electrical wires or cords in drilling path.**
- **Medications may impair judgment and reflexes, so please read all safety warning labels on medical prescriptions to determine if you may be affected. Do not use this product if you are under the influence of drugs or alcohol.**
- **Use eye and hand protection. Wear ANSI-approved safety impact goggles and heavy-duty work gloves during use.**
- **DRESS SAFELY. Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from being caught in moving parts.**
- **Do not overreach. Keep proper footing and balance at all times.**
- **Stay alert. Watch what you are doing at all times. Use common sense. Do not operate this product when you are tired or distracted from the job at hand.**
- **Damage could occur to your vise and/or workpiece if you overtighten the handle.**
- **Carefully check for damaged parts or any other conditions that may affect operation before using this product. Repair or replace damaged and worn components immediately.**
- **When servicing, use only identical, manufacturer-recommended replacement parts.**
- **Maintain product with care. Keep this product clean and dry, and all moving parts lightly lubricated for better performance. Keep the handle dry, clean, and free from oil, grease and solvents.**
- **Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. This vise was designed for specific applications. Do not modify this tool or use it for any purpose other than that for which it was intended.**

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

The 4" Low Profile Vise Kit is backed by a Limited Lifetime Warranty. This warranty covers manufacturer defects and workmanship. The warranty excludes misuse or abuse and normal wear and tear. Exclusion is not allowed in some states and may not apply. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

MATCO TOOLS

MVLP4

4" LOW PROFILE VISE KIT

PLEASE READ CAREFULLY & FOLLOW DIRECTIONS BEFORE USE

ASSEMBLING THE HANDLE:

1. Remove the contents from the box and lay out on an even surface.
2. Remove the Ratcheting Handle (3) and the Ratcheting Handle Screw (12) from the poly bag included in the vise box.
3. Slide the Ratcheting Handle (3) onto the end of the ACME Screw (11).
4. Screw in the Ratcheting Handle Screw (12) using the included 5mm hex key.
   Note: Be careful not to overtighten the screw in the handle assembly.

MOUNTING THE VISE:

1. Select a solid, level mounting surface capable of supporting the combined weight of the vise, intended workpieces and applicable forces.
2. Loosen T-Handle Swivel Base Lock Screws (5) and unlatch the Swivel Base Latch (6) on the Swivel Base Casting (13) to remove the Posi-Clock Disc (8).
3. Place the Posi-Clock Disc (8) onto your intended mounting surface.
4. Locate the "0" on your Posi-Clock Disc (8) and mount onto your bench in the desired orientation.
5. Use the holes in the Posi-Clock Disc (8) as a template to mark the bench surface. With a pencil, trace the inside of the machined holes.
6. Remove the Posi-Clock Disc (8) and drill holes for mounting hardware (not included).
   Note: Ensure selected mounting hardware fits the counterbored mounting holes in the Posi-Clock Disc (8). The head of the mounting hardware should not protrude above the surface of the disc, as it will interfere with mounting the Swivel Base Casting (13) to the Posi-Clock Disc (8).
7. Align disc mounting holes with drilled holes and secure the Posi-Clock Disc (8) to your surface using mounting hardware (not included). Do not overtighten hardware. All five mounting holes must be used for proper operation.
8. Loosen T-Handle Swivel Base Lock Screws (5), unlatch the Swivel Base Latch (6), and open Swivel Base Casting (13) to attach vise to the Posi-Clock Disc (8).
9. Slide the Swivel Base Casting (13) portion of the vise over the Posi-Clock Disc (8) and latch the base closed using the Swivel Base Latch (6).

OPERATION:

1. To adjust the orientation of the vise clamping pads, loosen the T-Handle Swivel Base Lock Screws (5) located on either side of the adjustable Swivel Base Casting (13). Grasp the Ratcheting Handle (3) firmly with one hand and the Swivel Base Casting (13) with the other to rotate the entire vise to your desired position. Once the orientation of the vise has been finalized, tighten both T-Handle Swivel Base Lock Screws (5) until they're engaged into the "V-shaped" channels located along the outer edge of the Posi-Clock Disc (8) (See Figure 1). The vise should be firmly fixed into the desired position. If the vise still moves, slightly rotate the vise in either direction to allow the T-Handle Swivel Base Lock Screws (5) to seat into the "V-shaped" channels.
2. To quickly adjust the opening of the vise, depress the Rapid Release Button (4) straight down with one hand while pulling on the Ratcheting Handle (3) with the other hand. The handle should be in the up position. This will rapidly open or close the jaws to the desired width.
3. To tighten the Serrated Jaws (7), depress the Selector Switch (10) to the left and begin moving the Ratcheting Handle (3) in a clockwise direction until a satisfactory grip is achieved. DO NOT OVERTIGHTEN. At no point should you use an extended pipe, tube or hammer to increase the amount of force applied to the adjustable Ratcheting Handle (3) as it will damage the vise.
4. To loosen the Serrated Jaws (7), depress the Selector Switch (10) to the right and begin moving the Ratcheting Handle (3) in a counter-clockwise direction. At no point should you use an extended pipe, tube or hammer to increase the amount of force applied to the adjustable Ratcheting Handle (3) as it will damage the vise.
5. Should the user decide to remove the Swivel Base Casting (13) and mount directly to a bench top, the Cast Body Attachment Screws (9) can be removed (4 pcs.). At this point, the vise can be attached to the bench using the set of holes for the Cast Body Attachment Screws (9) in either Portion A (1) or Portion B (2) of the vise.

MAINTENANCE:

1. Avoid using solvents when cleaning.
2. Most items are susceptible to damage from various types of commercial solvents.
3. Use clean cloths to remove dirt, dust, oil, grease, etc.
4. Lubricate regularly.

FIG 1

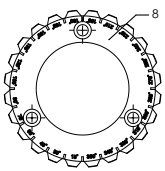


FIG 2

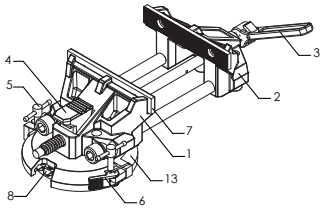


FIG 3

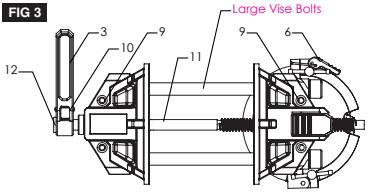
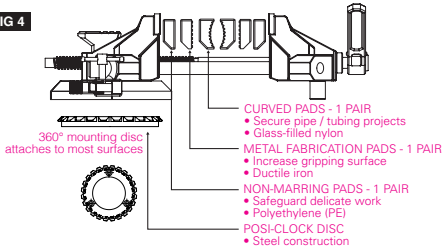


FIG 4



MVLP4

4" LOW PROFILE VISE KIT

REPLACEMENT COMPONENTS:

ITEM#	VISE	PART#	REPLACEMENT COMPONENT
MVLP4	MATCO 4" Low Profile Vise	FSMVLP-HAN	Ratcheting Handle
		FS92746-05	Swivel Base Locks
		FS92746-07	Serrated Jaws
		FS93159	Posi-Clock Disc - Small
		FS92746-12	Large Vise Bolts
		MV2807	4" Jaw Pads - Curved
		MV2808	4" Jaw Pads - Steel
		MV2809	4" Jaw Pads - Non-Marring

ITEM#	VISE	PART#	REPLACEMENT COMPONENT
MVLP6	MATCO 6" Low Profile Vise	FSMVLP-HAN	Ratcheting Handle
		FS92748-05	Swivel Base Locks
		FS92748-07	Serrated Jaws
		FS93158	Posi-Clock Disc - Large
		FS92748-12	Large Vise Bolts
		MV2816	6" Jaw Pads - Curved
		MV2817	6" Jaw Pads - Steel
		MV2818	6" Jaw Pads - Non-Marring

GENERAL GUIDELINES AND WARNINGS:

- Mount only according to these instructions. Improper mounting can create hazards.
- Keep work area clean and well lit.
- Keep bystanders out of the area during use.
- This product is not a toy. Do not allow children to play with or near this item.
- Use for intended purposes only.
- Inspect before use; do not use if parts are loose or damaged.
- Maintain product labels and nameplates. These carry important safety information. If unreadable or missing contact 1-800-255-7011 for a replacement.
- Before drilling vise mounting holes, check for hidden electrical wires or cords in drilling path.
- Medications may impair judgment and reflexes, so please read all safety warning labels on medical prescriptions to determine if you may be affected. Do not use this product if you are under the influence of drugs or alcohol.
- Use eye and hand protection. Wear ANSI-approved safety impact goggles and heavy-duty work gloves during use.
- DRESS SAFELY. Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from being caught in moving parts.
- Do not overreach. Keep proper footing and balance at all times.
- Stay alert. Watch what you are doing at all times. Use common sense. Do not operate this product when you are tired or distracted from the job at hand.
- Damage could occur to your vise and/or workpiece if you overtighten the handle.
- Carefully check for damaged parts or any other conditions that may affect operation before using this product. Repair or replace damaged and worn components immediately.
- When servicing, use only identical, manufacturer-recommended replacement parts.
- Maintain product with care. Keep this product clean and dry, and all moving parts lightly lubricated for better performance. Keep the handle dry, clean, and free from oil, grease and solvents.
- Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. This vise was designed for specific applications. Do not modify this tool or use it for any purpose other than that for which it was intended.

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- Maintain product with care. Keep this product clean and dry, and all moving parts lightly lubricated for better performance. Keep the handle dry, clean, and free from oil, grease and solvents.
- Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. This vise was designed for specific applications. Do not modify this tool or use it for any purpose other than that for which it was intended.

ADVERTENCIA: Cáncer y daño reproductivo. www.P65Warnings.ca.gov

AVERTISSEMENT : Cancer et dommages à l'appareil reproducteur. www.P65Warnings.ca.gov

The 4" Low Profile Vise Kit is backed by a Limited Lifetime Warranty. This warranty covers manufacturer defects and workmanship. The warranty excludes misuse or abuse and normal wear and tear. Exclusion is not allowed in some states and may not apply. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.