



glazesafe

sashmate® 



sashmate top hung

SASHMATE® Top Hung-(series1)**CONGRATULATIONS!**

You have chosen a Glazesafe Ltd tool. Our aim is to provide innovative, quality tools that will make your work easier and safer. We at Glazesafe hope you will enjoy using this tool for many years to come.

INTENDED USE

This Glazesafe Sashmate® Top Hung (series 1) has been designed to assist a professional and experienced glazier carry out repairs to top hung window sashes that are fixed by standard design friction stays/hinges as well as reversible window hinges.

KNOW YOUR TOOL

Before using this Sashmate® please read this instruction manual carefully and watch the demonstration CD provided. Alternatively visit www.glazesafe.com to view the demo films online. An Aide Memoire is also available as a free download on the demo and specifications pages of the website.

GENERAL**1. Keep work area clean**

Cluttered areas can cause accidents.

2. Consider work area environment

Avoid exposing the tool to rain and do not store in damp conditions.

Keep the work area well lit and remove any possible obstructions, e.g. curtains or nets.

Cordon off an area below the window you are working on, this will help to prevent injury to passers by in the unlikely event that any items are dropped.

Do not use the Sashmate® or the Sashmate® Side Hung if weather conditions are bad as this could present danger and could lead to injury and/or damage.

3. Keep children away

Do not allow children, visitors or animals to come near the work area or to touch the Sashmate®.

4. Dress properly

Do not wear loose clothing or jewellery as these can be caught in moving parts. Preferably wear rubber or non-slip gloves when handling the window sash.

5. Do not overreach

Keep proper footing and balance at all times. Use step ladders or safe platforms to make sure you are working at the correct height and not overreaching.

6. Stay alert

Watch what you are doing. Use common sense. Do not operate the Sashmate® when you are tired, under the influence or have aches and pains that could affect your ability.

7. Secure work piece

Make sure at all times that the Sashmate® is securely fitted, all bolts have been tightened correctly and nothing has come loose.

8. Modifications

Do not carry out any modifications. Glazesafe Limited will not be held liable for any damage or injury that is the result of a modified Sashmate®.

9. Use this tool appropriately

The intended use is described in this instruction manual. Know the Sashmate's limits and do not exceed them. The Sashmate will do the job better and safer at the rate for which it was intended. Do not force the Sashmate®.

!Warning! Any operations other than those recommended in this instruction manual may present a risk of personal injury or injury to others.

10. Check for damaged parts

Before use, carefully check the Sashmate® for damage. Check for misalignment and seizure of moving parts, check for breakage of parts, damage to bolts-including threads and the head, and any other conditions that may affect its operation. Ensure that the Sashmate® will operate properly and perform its intended function. Do not use the Sashmate® if any parts are damaged, defective or missing. Have any damaged or defective parts repaired or replaced by Glazesafe limited. Do not carry out any repairs yourself.

11. Store your idle Sashmate®

When not in use, Sashmate® should be stored in dry conditions where they can not be damaged and out of the reach of children.

12. Maintain your Sashmate® with care

Your Sashmate® has been designed to operate over a long period of time with a minimum of maintenance. Over time continuous use and tightening of bolts will leave small burrs and may cause paint to come away from the Sashmate®, use fine wire wool to remove burrs this will keep the Sashmate's parts moving freely. If the Sashmate® does get wet dry off all parts and keep in a warm, dry place. Do not use any chemicals to clean your tool.

13. Extra precautions

Use appropriate means to prevent damage to property. I.e. dust sheets should be used on the floor where you are working and on the transom bar/frame of the window. Also glass suckers can be used when taking in and replacing the window sash. Protection of any roofs or customer property below the work area should also be carried out.

OVERVIEW (fig. A)

1. Top clamp: SMTC1 (x2)
2. Sleeve for pin: SMPS1 (x2)
3. Pin: SMP1 (x2)
4. Sledge: SMS1 (x2)
5. Bottom Clamp: SMBC1 (x2)
6. Bracing arm and sleeve: SMBAS1 (x2)
7. Bag: SMCC1 (x1)
8. Main rod tube: SMMR1 (x2)
9. Bolts: SMTS1 (x14)
10. Top vent angle: SMTV1 (x2)
11. Set of Velcro rubber pads: SMRP1 (x4)

ASSEMBLY (fig. B)

!Warning! Do not over tighten screws as this may damage your Sashmate®.

1. Firstly slide ‘part 4’ the sledge into ‘part 6’ the bracing arm and sleeve insert a screw and hand tighten. Make sure the angle is facing up the same way as ‘part 10’ the top vent angle, as shown.
2. Slide ‘part 10’ the top vent angle up against the sleeve and insert a bolt provided, as before. Make sure the bolts are on the same side of the Sashmate throughout.
3. Slide the sleeve of ‘part 6’ the bracing arm and sleeve over ‘part 5’ the bottom clamp and insert a bolt as before, as shown.
4. Slide ‘part 8’ the main rod tube through ‘part 5’ the bottom clamp and screw up as before.
5. Insert ‘part 3’ the pin into ‘part 2’ sleeve for pin and screw up. Then slide ‘part 2’ over the main rod and screw up hand tight, anywhere above ‘part 5’ the bottom clamp.
6. Slide ‘part 1’ the top clamp over the main rod and tighten above the other components, as shown.
7. Do the same with other tool. Make sure the screws are on the opposite side to the first tool- to make one tool left handed and one tool right handed.

PROCEDURE 1**For a sash above the transom bar/complete opener. (fig. B)**

In all cases firstly make sure all components are housed and all screws are tight.

1. Open the window about half way, so your drill can reach the top screw or pop rivet in the hinge.
2. Move the top clamp to the top of the main rod and tighten screw. Slide the top clamp over the window frame.
3. Hold the main rod tube and undo the bottom clamp screw. Then clamp the bottom clamp onto the frame, adding downward pressure, and screw up tight. Make sure the tool does not move left to right.
4. Move the sleeve for pin up and extend the pin till its sits under the lip of the sash and tighten both screws.
5. Release both the bracing arm sleeve and the sledge screws. Swing the whole arm round until the sledge can be extended. Simultaneously lift the bracing arm and pull in the sledge. Make sure the sledge is right against the bottom of the sash and then tighten both screws.
6. Do the same with other tool. Then double check that all screws are tight. Cover the window frame/transom bar with protective sheets. Adjust and clip the ‘safety strap’ tightly around both of the sledges as close to the sash as possible. This will stabilise the two sledges stopping them from moving outwards independently.
7. Remove the hinge screws/pop rivets. Push in the hinges and put down your drill. Support the top of the sash and release the pin sleeve and drop out of the way. Do the same with the other pin sleeve.
8. Brace the sash and slide in on the sledges until your back is straight and you are comfortable. Then twist and pull in the sash. If the sash is heavy rest the sash on the protected frame/transom bar and slide in until you are comfortable to take the weight.
9. Carry out the repairs to the sash. Do not adjust any part of the Sashmate. With your back straight replace the sash, making sure the bottom of the sash is against the sledges.
10. Support the sash at the top, raise the pin sleeve until it is in it’s correct position. Support the sash and raise the other pin sleeve too.
11. Pull out the hinges and replace the screws/pop rivets.
12. See BREAKDOWN.

BREAKDOWN

1. Make sure all the screws/pop rivets have been replaced correctly.
2. Unscrew the sleeve for pin and move to the centre of the main rod tube. Unscrew the pin, house and tighten up screw.
3. Unscrew the bracing arm sleeve and the sledge screws. Swing the whole arm round until the sledge can be housed, then tighten up the sledge screw. Drop the bracing arm sleeve onto the bottom clamp and tighten screw.
4. Hold the main rod tube and with the other hand unscrew the top clamp, drop slightly so that the top clamp is away from the frame and tighten back up.
5. Remove the tool. Then carry out the same procedure for the other tool. Make sure all screws are tight.

PROCEDURE 2**For a sash below the transom bar. (fig. C)**

Almost the whole of procedure 2 is the same as procedure 1 except for the early stages of fitting the Sashmate®.

1. Move the bottom clamp to the bottom of the main rod and tighten screw. Slide the bottom clamp over the window frame.
2. Hold the main rod and undo the top clamp screw. Then clamp the top clamp onto the transom bar, adding downward pressure, and screw up tight. Make sure the tool does not move left to right. Then complete the job according to procedure 1 including breakdown.

PROCEDURE 3**For a top vent sash. (fig. D)**

Almost the whole of procedure 3 is the same as procedure 1 except for the early stages of fitting the Sashmate®.

1. Fit the Sashmate® into the opening.
 2. This time the pin may be too long to fit under the lip on the sash, adjust the pin sleeve so that it sits under the bead.
 3. This time instead of using the sledge to support the bottom of the sash the top vent angle may be used as an alternative. This has been added to take the smallest vents. Then complete the job according to procedure 1 including breakdown.
- N.B The sleeve for pin may need to be removed in some cases to allow the job to be carried out on very small top vents, where weight is not an issue.

LIMITATIONS

As you will notice in the picture below there are two safety markings scribed into the sledge.

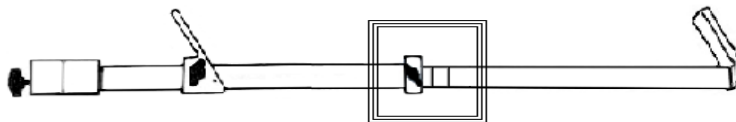
!warning! The markings exist to warn the user that the sledge is nearly, or is at full extension. The user will notice the first of the two markings, this indicates that the Sashmate® is nearly at full extension and the user should now be very careful. Do not extend the sledge to the point where the second safety marking is visible. The second safety mark shows the tool's absolute maximum extension. The standard Sashmate® is capable of supporting a sash that is 1150mm in height and 25kg in weight. Exceeding these limits may be dangerous and could cause injury or damage!

It is not advisable to use either the Sashmate® Top Hung or the Sashmate® Side Hung in bad weather conditions.

On occasion you may find that the top hung window you are working on may have been fitted using oversized friction stays or friction stays that have early 'stops' creating a restricted opening.

This can sometimes mean that the bottom of the sash does not raise sufficiently when fully opened to sit on the Sashmate® horizontal arms. The Sashmate® Top Hung Drop Set can be used to overcome this problem.

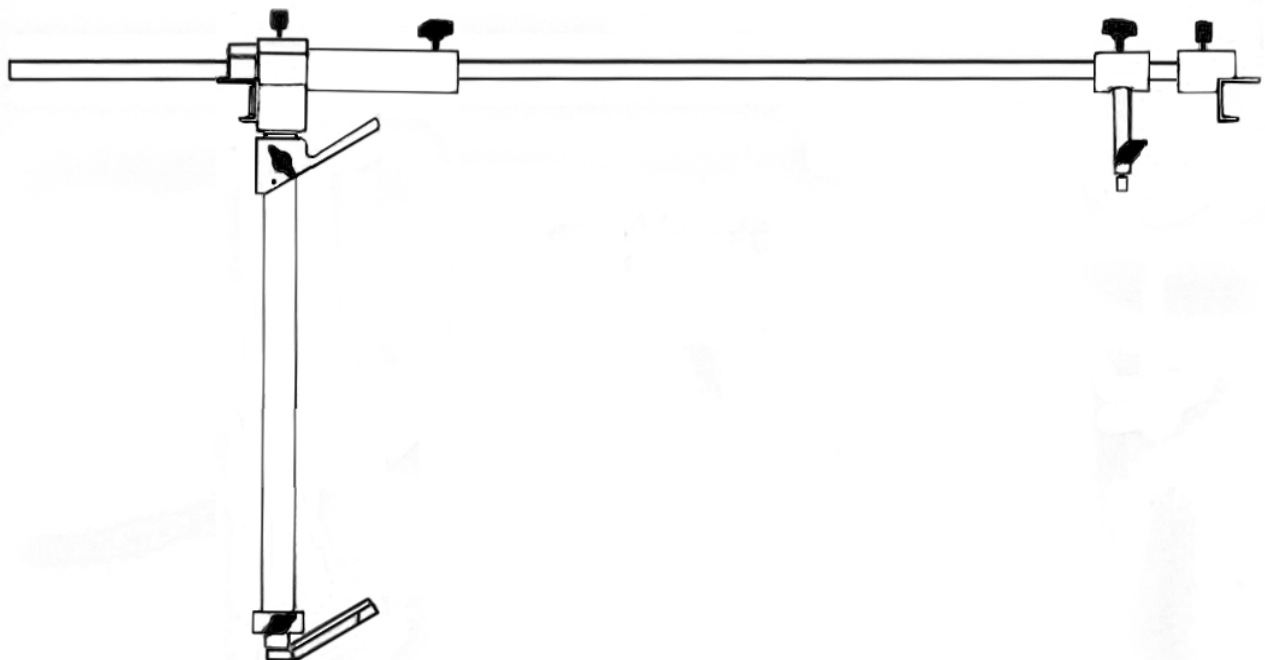
Safety Markings scribed into the sledge



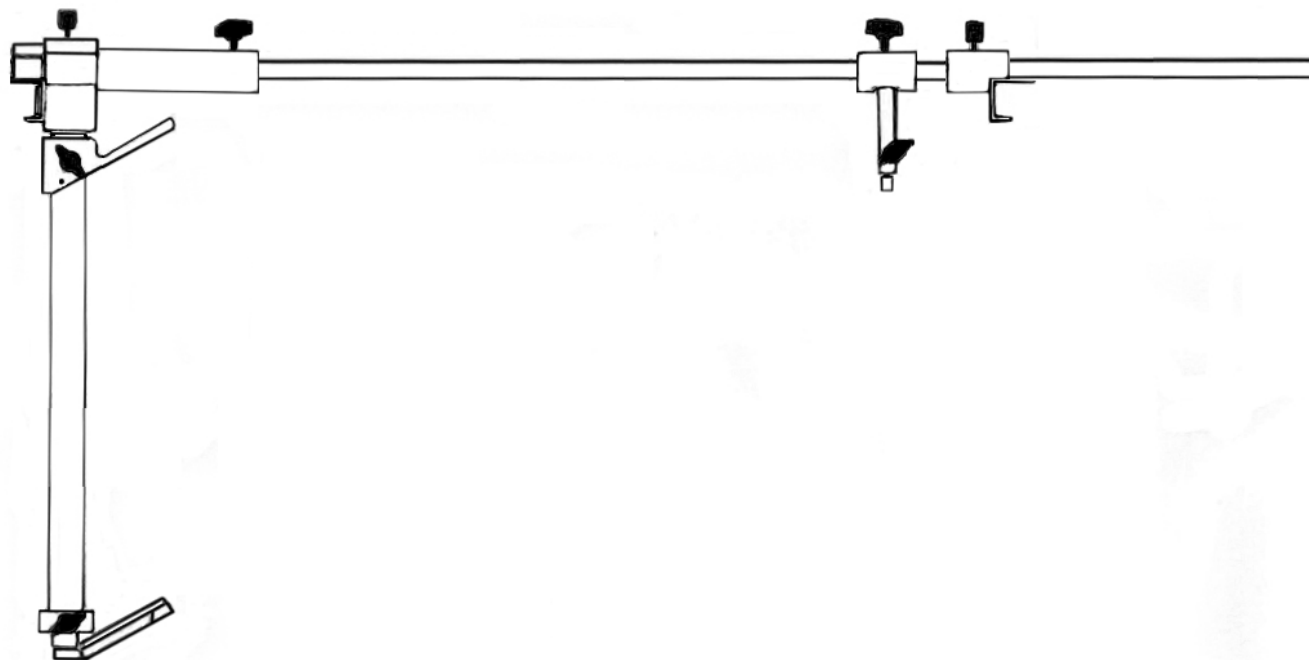
(fig. A)



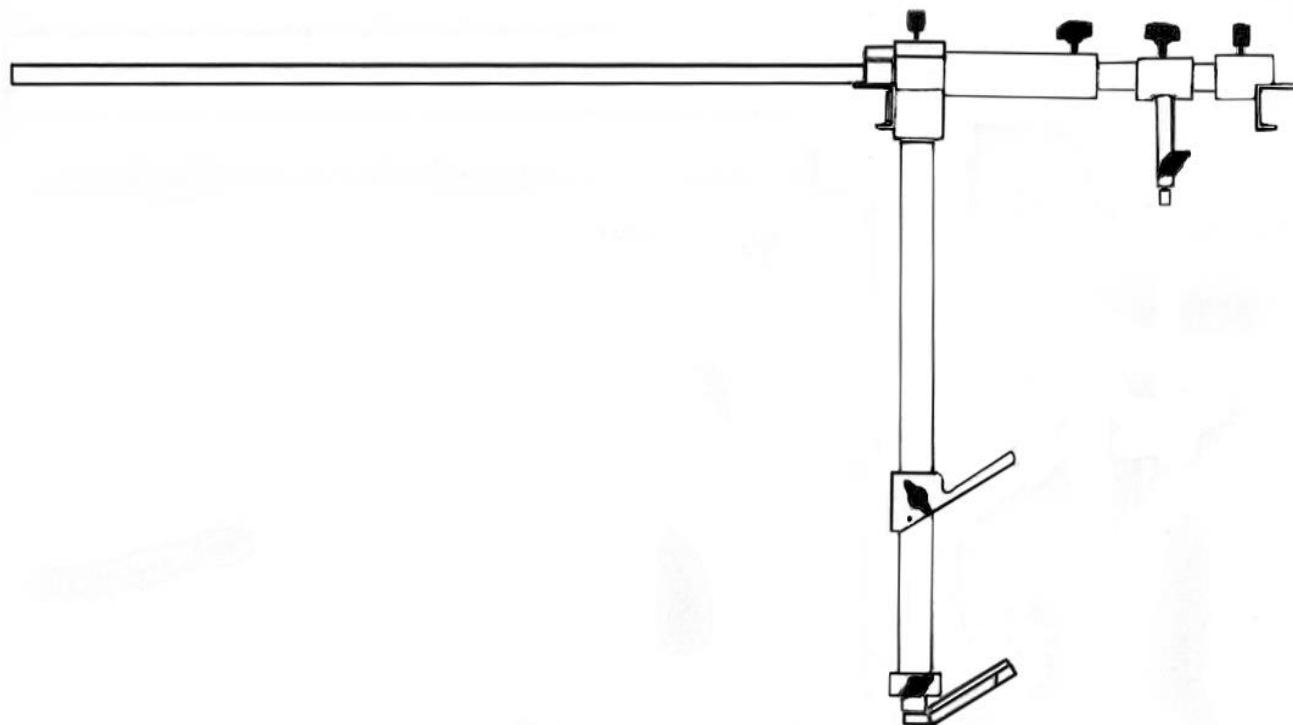
(fig. B)



(fig. C)



(fig. D)



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**For any further orders or any questions or queries please
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