

## Top of Door Preparation for Rising Butt Hinge

The door head and frame detail may require planing to allow the door to rise during operation.

Most manufacturers installation instructions reference the requirement, however, if no detail is supplied, use the following as a guide:

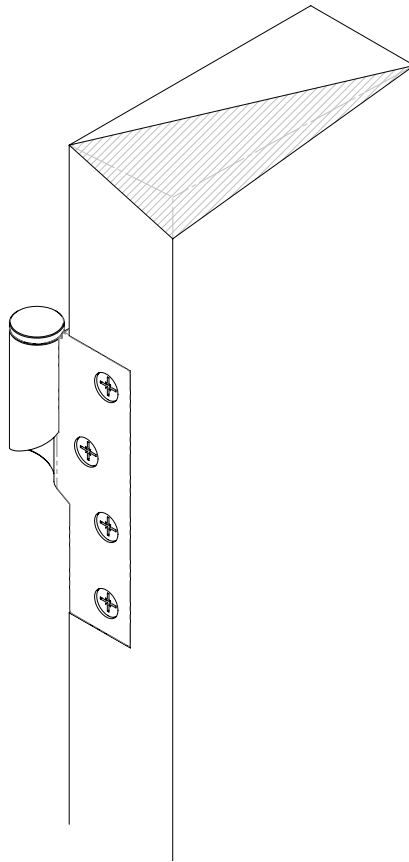
Using the travel of rise of hinge at 180degrees, subtract the required door gap, then add 1mm for tolerance This will be the starting point from the top inside corner of the hinge side of the door.

Example: Rise 10mm – Gap 3mm + 1mm tolerance = Plane allowance 8mm

Mark the door at this point, then draw a line to top outside corner at hinge side and another to the top inside corner at the lock side of door.

Draw a line from top outside corner at hinge side to top inside corner of lock side – This will create a triangle on the door.

Plane the top edge of the door within these lines. If once hinges are fitted, the door still touches the top of frame during operation, simply plane the door further.



Example: Rise 10mm – Gap 3mm + 1mm tolerance = Plane allowance 8mm