

4-BAR HINGES

GUIDE TO 4-BAR HINGE SELECTION

DETERMINE
STACK HEIGHT

The stack height is the overall height from the bottom of the track to the top of the sash arm. If the pocket area has a height that is not standard to the hinge stack height, shims may be necessary. This size will determine which chart you will need to refer to. The standard stack heights are .625" (15.9mm) (Heavy Duty Hinge), .500" (12.7mm) (Standard Duty Hinge).

DETERMINE
APPLICATION

CASEMENT

PROJECTED
AWNING

DETERMINE
HINGE MATERIAL

DETERMINE
HINGE MATERIAL

Steel and stainless steel are the materials available for casement applications. NOTE: Aluminum hinges are not recommended for casement applications.

Three types of material are available to help meet your needs: steel, stainless steel, and aluminum.

DETERMINE
FUNCTION

DETERMINE
HINGE LENGTH

EGRESS

WASHABILITY

Egress is the amount of clear opening that is left between the frame and the sash when the window is in a fully opened position. These hinges require single arm type operators. (See your local codes for specifics.)

Washability is the ability to have enough clearance between the frame and the hinge side of the sash to extend an arm or device to clean the vent. These hinges require dyad type operators.

It is important to match your window with the proper size hinge. A Table is available in each hinge section to be a guide in the selection of the appropriate hinge length. NOTE: Awning applications require that the sash opening is no great than 60°.

DETERMINE
HINGE LENGTH

DETERMINE
HINGE LENGTH

SEE CHART
FOR OPTIONS

The Egress Hinge is available in only one length: 16.125" (409.6mm) - Standard Duty Hinge and 16.500" (419.1mm) - Heavy Duty Hinge.

The 12" (304.8mm) hinges are recommended for most casement applications because the extra length on larger hinges is not of any benefit for casement applications.

At this point you have specified enough requirements to choose the correct hinge for your specific application.

Stack height: _____
 Application: _____
 Material: _____
 Length: _____

DETERMINE IF A
CASEMENT
OPERATOR WILL
BE REQUIRED

If a Rotary Casement Operator is to be used, a hinge with LOOSE RIVETS is recommended to enhance the operation of the vent.

If a Rotary Casement Operator is not being used, a hinge with standard riveting is recommended.

SEE CHART
FOR OPTIONS

At this point you have specified enough requirements to choose the correct hinge for your specific application.

Stack height: _____
 Application: _____
 Length: _____
 Functions: _____
 Loose Rivets/Std. Rivets: _____