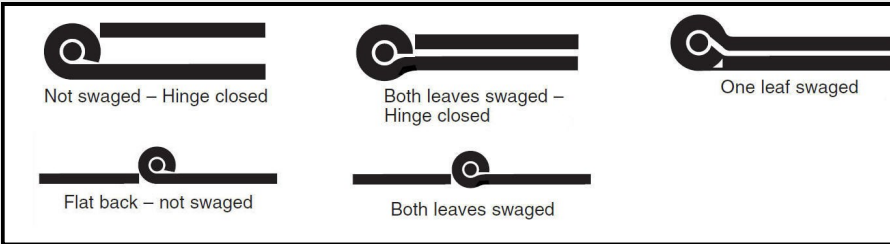


## Hinge Terminology Guide

Selecting the correct hinge can be a bit overwhelming, especially given the varieties of mounting types and styles. Those of us that do not deal with hinges on a daily basis can find the selection process a bit confusing. This brief guide has been designed to help explain some of the basic terminology, and help “open the door” for a proper selection.



**PLAIN OR STANDARD ASSEMBLY** this is a surface-type hinge. The leaves lie flat

**SWAGING** the forming of one or both leaves toward or beyond the center of the pin, swaging slightly increases leaf width.

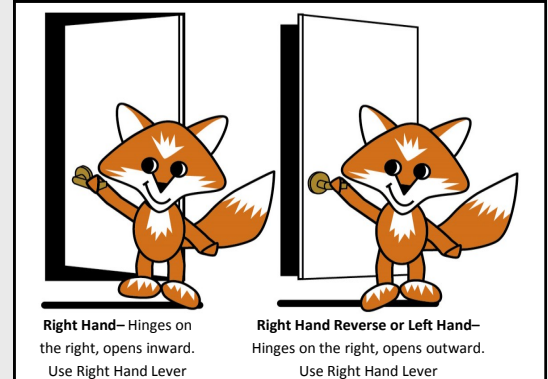
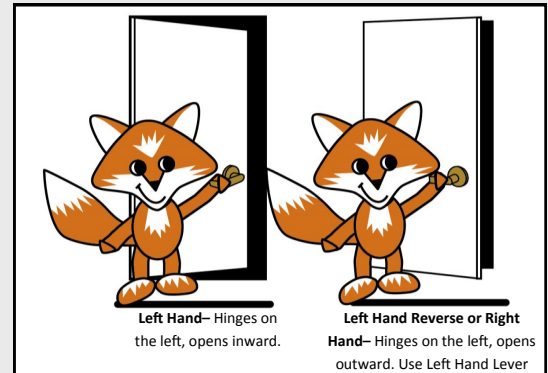
**BOTH LEAVES HALF-SWAGED** both leaves are swaged approximately one-half the pin diameter with a minimum clearance between leaves when parallel.

**ONE LEAF HALF-SWAGED** one leaf swaged one half the pin diameter.

**ONE LEAF FULL-SWAGED** one leaf swaged equal to the pin diameter and both leaves parallel when in a closed position.

**REVERSE SWAGED** one leaf swaged to simulate reverse assembly. Leaves will not close to a parallel position.

**OFFSET** forming one or both leaves away from the center of the pin. Offsetting slightly decreases leaf width.



**GAUGE** the thickness of a hinge leaf.

**LEAF** the portion of a hinge extending laterally from the knuckle which usually revolves around a pin.

**HINGE LENGTH** the length of the leaves measured parallel to the pin.

**LEAF WIDTH** the dimension from the center of the pin to the outer edge of the leaf.

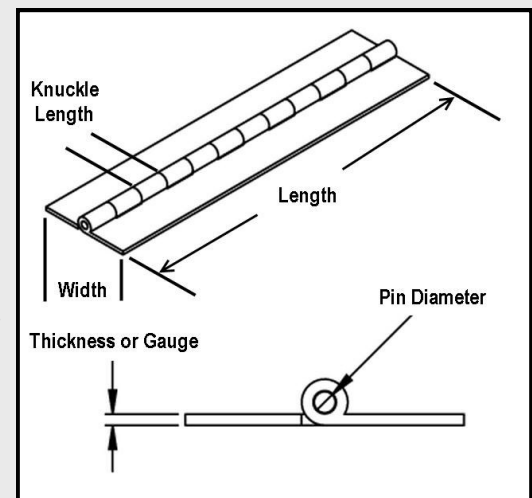
**HINGE WIDTH (same as open width)** the overall dimension of the leaves measured perpendicular to the pin.

**PIN** rod running the length of the hinge. The pin holds the leaves of the hinge together.

**KNUCKLE** the hollow circular part at the joint of a hinge through which a pin is passed. The knuckle is often called a loop, joint, node or curl.

**KNUCKLE LENGTH** the nominal or typical dimension of the knuckle measured parallel to the pin.

**PITCH** the dimension from a point on the knuckle to the same point on an adjacent knuckle on the same leaf.



Information sources include Stanley Hardware



If you are still having difficulty choosing a hinge,  
please contact us at [askzoro@zoro.com](mailto:askzoro@zoro.com) or 855-289-9676

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