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There are (3) basic seismic hardware selection issues - remember that (two) seismic brackets with washers are needed per brace arm assembly.

There is a upper seismic bracket with washer needed for connection to the building.

There is a lower seismic bracket with washer needed for connection to the pipe, trapeze, duct or item being braced.

1.) Size Of Connection:

Each individual (upper & lower) seismic bracket with washer has a connection size based on the drill-in anchor, insert, threaded rod or bolt that it will be connect to.

Thus a 3/8" inch drill-in anchor upper connection needs a 3/8" inch seismic bracket with 3/8" inch washer, and a 1/2" inch hanger support rod will need a 1/2" inch seismic bracket with 1/2" inch washer.

Thus (two) different sizes of seismic brackets with washers may be needed for the same seismic brace arm assembly. See detail (SB-SD) next page.

2.) Design Load Capacity:

Both the upper and the lower seismic bracket must have a load capacity equal to or greater than the design load for a given seismic brace - as determined by code required calculations.

Notice: seismic brackets do not have the same design load capacities. As an example some 1/2" seismic brackets have 3,000# pound capacity and other 1/2" inch seismic bracket only have a 900# pounds capacity.

3.) Brace Member Type And Size:

Some seismic brackets are designed to be used with various types and sizes of (RIGID) bracing materials, such as strut, tube, angle iron, etc.

While some seismic brackets are designed to be used with various types and sizes of (FLEXIBLE) bracing materials, such as cable, wire, etc.

The type and size of rigid or cable bracing material needs to properly matched to a selected seismic bracket. Furthermore, these various type and sizes of rigid or cable brace members each have a load capacity that needs to be equal to or greater than the design load for a given seismic brace - as determined by code required calculations.

CONCLUSION:

Items (1), (2) and (3) need to be known to select the proper seismic bracket for a given design application.