

Requirements for Installing Mounts to Walls Constructed with Metal Studs

Metal studs are not suitable for the installation of any type of television mount because the metal is too thin to support the weight and the mount will ultimately pull loose from the wall. Televisions mounted to metal studs cancel UL listing certifications and voids Bretford warranties. The appropriate mounting hardware and the following guidelines need to be used to properly reinforce metal studs for the installation of Bretford mounts and to maintain UL certification and product warranties.

Note: It is important to always use a qualified contractor when mounting monitors to a wall or ceiling. Mounts that are improperly installed may fail and injure someone. Product warranties are voided when the mount has not been properly installed.

Wood Stud Mounting Requirements

Mounts designed for up to a 32" diagonal CRT monitor or a small format flat panel monitor (30 lbs. flat panel or less, to 30" diagonal) with 75mm or 100mm VESA mounting holes are suitable to mount to a single wood stud center. Optional TVMP mounting plates are available for added stability with CRT monitor mounts. Maximum total load of 135 lbs. per wood stud for a UL Listed installation.

Mounts designed to hold a CRT monitor greater than 32" diagonal or a large format flat panel monitor (greater than 30 lbs., 32" diagonal flat panel and greater) must be mounted to two wood stud centers. Bretford CRT monitor double stud mounts are designed for 16" centers, mounting plates are available for 24" centers. Bretford flat panel monitor double stud mounts may be used on a 16" or 24" center. Maximum total load of 135 lbs. per wood stud for a UL Listed installation.

For New Construction

The metal stud(s) to be used for mounting need to be strengthened by inserting a wood stud that runs the entire length and width of the metal stud(s). Another option is to replace the metal stud(s) with a wood stud(s) and brace it(them) at the top and bottom. Wood studs must be 2" x 4" or greater, smaller studs are not suitable for mounting to. Once the stud(s) have been strengthened, a TVMP mounting plate needs to be installed for CRT monitors larger than 32" diagonal. The television mount is installed to the finished wall directly to the reinforced stud(s) or TVMP plate. Different size studs are available so it is important to have a qualified contractor to determine the correct size of the wood to create a secure fit and insure safety.

For Existing Construction

Remove the wall covering from floor to ceiling to expose the entire length of the metal stud(s) that is(are) to be used. From this point, reinforce or replace the metal stud(s) to be used following the procedures for New Construction.