



MOUNTING INSTRUCTIONS C089D-KNS and C102B-KNS CLAMPS

This type of clamp has preloaded cup shaped springs (Bellville Washers), which guarantee the exact clamping force and perpendicularity of the clamping force. When the washers under the stack of bellvilles spin free it indicates the achievement of the right clamping force. In order to have a correct mounting, the following is recommended:

1. The two contact surfaces of semiconductor should be covered with a thin coating of an approved electrical joint compound.
2. Locate the semiconductor on one of the two heat sinks centrally by using a locating pin. Be sure to check the polarity of the device. The semiconductor should be rotated to spread the compound.
3. Position the second heat sink on the semiconductor and locate it centrally by using a second pin. Then slightly rotate the heat sink to spread the compound.
4. Mount the clamp on the heat sinks and hand tighten each bolt, checking the alignment of heat sinks and semiconductor to make sure the heat sinks are parallel before starting to tighten the bolts with a wrench.

21-24KN Clamps

Tighten alternately both bolts each time about 1/6 turn until both indicating washers spin freely without resistance. Tighten each bolt 1/8 turn more. After 3 hours tighten each bolt an additional 1/8 of a turn.

14-18KN Clamps

Tighten alternately both bolts each time about 1/6 turn until both indicating washers spin freely without resistance. Tighten each bolt 1/8 turn more. Do not tighten any more beyond this point.