

Typical Expected Performance- Retention Force

Retention force is a measure of the force required to pull a locked circuit board out of a chassis. Figure 4, 5 and 6 show the retention forces for each group of card retainers. The values are for a pair of guides mounted on an epoxy glass board in an aluminum chassis. (Aluminum surface roughness = 300 micro inches). Many factors affect the retention force such as number of actuations, surface finish, lubrication, wear, manufacturing tolerance, etc. PCB-Tainers® and lever actuated guides are sensitive to board thickness tolerance.



Figure 4. Retention Force Wedge-Lok™

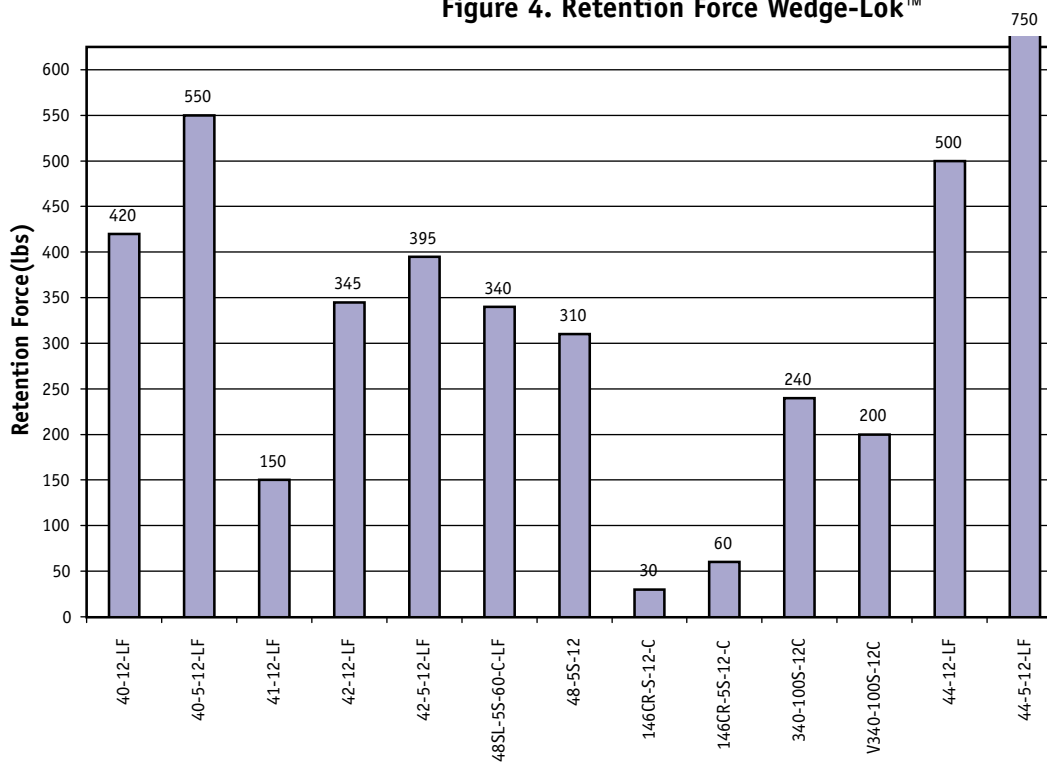


Figure 5. Retention Force Lok-Tainer®

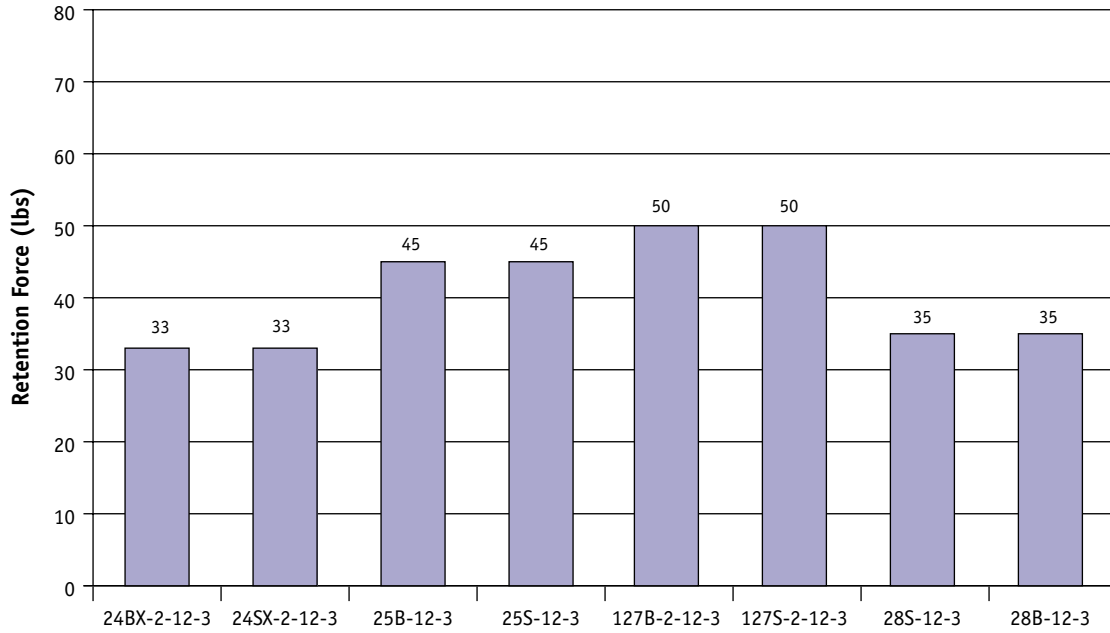


Figure 6. Retention Force PCB-Tainer®

