

Bar Clamps

The Bar type clamp uses a two rod system with a straight bar spring that is bent over a central point to give the clamping force on the device. This force is achieved when the indicators, metal shims at each end of the clamp, become just trapped. (CMK 9000 uses a disc spring stack).

The Box type clamp uses a four bolt system with disc springs and the correct force on the device is achieved when the bottom of the box just touches the heatsink.

As the force indication is contained within these clamps, special equipment or torque spanners are not required. The clamps can therefore be reset to the correct force at any time, using only a box spanner.

Box clamps are suitable for devices with 19 mm, 25 mm or 34 mm diameter mounting surfaces and of 13.8 mm, 14.6 or 26.2 mm nominal thicknesses respectively.

Bar clamps are suitable for devices with 19 mm to 125 mm diameter mounting surfaces and 450 kgf to 9000 kgf clamping forces.

| Type | | Fixing Centres mm | Rod Size | Outline | Capsule Device | | | Fig. No. |
|---------------|-----------------|-------------------|----------|--------------------|------------------------------|----------------------|--------------------|----------|
| Part Number | Old Part Number | | | | Mounting Surface Diameter mm | Nominal Thickness mm | T _j Max | |
| XK0450DA056M | CMK450D56M | 65 | M8 | DO-200AA/TO-200AB | 19.0 | 13.8 | 190 | WC1 |
| XK0450DT056M | CMK450DT56M | | | | | | | WC3 |
| XK0450SA056M | CMK450S56M | | | | | | | WC2 |
| XK0550DA056M | CMK550D56M | 65 | M8 | GTO | 29.5 | 16.0 | 190 | WC5 |
| XK0550SA056M | CMK550S56M | | | | | | | WC4 |
| XK0900DA056M | CMK900D56M | 65 | M8 | Diode/Thyristor | 25.1 | 14.6 | 190 | WC7 |
| XK0900DT056M | CMK900DT56M | | | | | | | WC8 |
| XK0900SA056M | CMK900S56M | | | | | | | WC6 |
| XK0600DA074M | CMK0600D74M | 89 | M10 | Press-Pack IGBTs | 47.0 | 27.0 | 190 | WC10 |
| XK0600SA074M | CMK0600S74M | | | | | | | WC9 |
| XK1000DA074M | CMK1000D74M | 89 | M10 | Press-Pack IGBTs | 47.0 | 27.0 | 190 | WC12 |
| XK1000SA074M | CMK1000S74M | | | | | | | WC11 |
| XK1100DA076M | CMK1100D76M | 89 | M10 | DO-200AB/TO-200AC | 34.0 | 26.2 | 190 | WC13 |
| XK1130DA076M | CMK1130D76M | | | | | | | WC15 |
| XK1130DT076M | CMK1130DT76M | | | | | | | 190 |
| XK1130SA076M | CMK1130S76M | 190 | WC14 | | | | | |
| XK1800DA076M | CMK1800D76M | 89 | M10 | Wespack PCT | 38.0 | 14.0 | 190 | WC18 |
| XK1800DT076M | CMK1800DT76M | | | | | | | WC19 |
| XK1800SA076M | CMK1800S76M | | | | | | | WC17 |
| XK2100DA076M | CMK2100D76M | 89 | M10 | GTO | 47.0 | 27.0 | 190 | WC21 |
| XK2100DA076ML | CMK2100D76ML | | | | | | | 125 |
| XK2100SA076M | CMK2100S76M | | | | | | | 190 |
| XK2100SA076ML | CMK2100S76ML | | | | | | | 125 |
| XK2140DA076M | CMK2140D76M | 89 | M10 | DO-200/Thyristor | 47.0 | 26.8 | 190 | WC23 |
| XK2140DA076ML | CMK2140D76ML | | | | | | | 125 |
| XK2140DT076M | CMK2140DT76M | | | | | | | 190 |
| XK2140DT076ML | CMK2140DT76ML | | | | | | | 125 |
| XK2140SA076M | CMK2140S76M | | | | | | | 190 |
| XK2140SA076ML | CMK2140S76ML | | | | | | | 125 |
| XK2700DA076M | CMK2700D76M | 89 | M10 | Wespack PCT | 50.0 | 14.0 | 190 | WC26 |
| XK2700DT076M | CMK2700DT76M | | | | | | | WC27 |
| XK2700SA076M | CMK2700S76M | | | | | | | WC25 |
| XK2000DA114M | CMK2000D114M | 132 | M12 | Press-Pack IGBTs | 75.0 | 26.0 | 190 | WC29 |
| XK2000SA114M | CMK2000S114M | | | | | | | WC28 |
| XK2500DA114M | CMK2500D114M | 132 | M12 | Press-Pack IGBTs | 75.0 | 26.0 | 190 | WC31 |
| XK2500SA114M | CMK2500S114M | | | | | | | WC30 |
| XK2500DA116M | CMK2500D116M | 132 | M12 | GTO | 63.0 | 26.0 | 190 | WC33 |
| XK2500DA116ML | CMK2500D116ML | | | | | | | 125 |
| XK2500SA116M | CMK2500S116M | | | | | | | 190 |
| XK2500SA116ML | CMK2500S116ML | | | | | | | 125 |
| XK3000DA116M | CMK3000D116M | 132 | M12 | DO-200AD/Thyristor | 63.0 | 33.0 | 190 | WC35 |
| XK3000DA116ML | CMK3000D116ML | | | | | | | 125 |
| XK3000SA116M | CMK3000S116M | | | | | | | 190 |
| XK3000SA116ML | CMK3000S116ML | | | | | | | 125 |
| XK3500DA116M | CMK3500D116M | 132 | M12 | GTO | 75.0 | 26.0 | 190 | WC37 |
| XK3500DA116ML | CMK3500D116ML | | | | | | | 125 |
| XK3500SA116M | CMK3500S116M | | | | | | | 190 |
| XK3500SA116ML | CMK3500S116ML | | | | | | | 125 |
| XK4000DA116M | CMK4000D116M | 132 | M12 | Diode/Thyristor | 73.0 | 36.8 | 190 | WC38 |
| XK4000DA116ML | CMK4000D116ML | | | | | | | 125 |
| XK4000SA116M | CMK4000S116M | | | | | | | 190 |
| XK4000SA116ML | CMK4000S116ML | | | | | | | 125 |