

Capsule Mounting Clamps

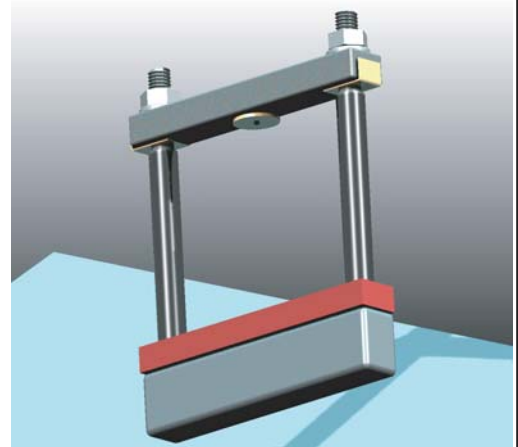
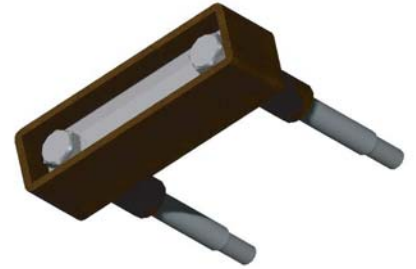
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Assembly Procedure

The 'Bar Type' clamps use 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.

The 'Box Type' clamps use 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.

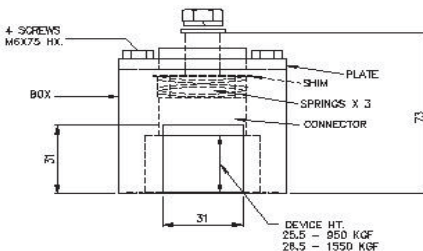
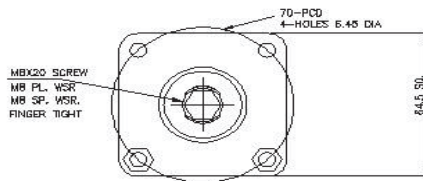
As the force indication is contained within these clamps, special equipment or torque spanners are not required. The clamps can therefore be reset to the correct force, at any time, using only a box spanner.



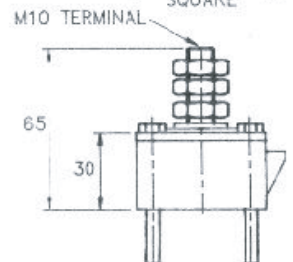
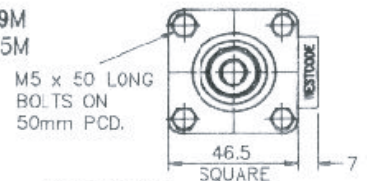
Box Type

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

CMK1500B34M



CMK450B19M
CMK450B25M



CMK	XXX	B	XX	M
Capsule Mounting Kit	Nominal Clamping Force Kg	Box Clamp	Capsule Mounting Surface Diameter 19, 25 or 34mm	Metric Fixing Bolts (See Chart)

Bar Type

The bar clamps are suitable for devices having from 19mm to 73mm diameter mounting surfaces and 450kgf to 4000kgf clamping forces.

CMK	XXXX	S, D or DT	XX	M
Capsule Mounting Kit	Nominal Clamping Force Kgf	S-Single side cooled (tapped heatsink) D-Double side cooled (through hole in heatsink) DT-Double side cooled (tapped heatsink)	Maximum Capsule Diameter mm	Metric Fixings M8, 10 or 12

Type	Fixing Centres mm	Rod Size	Capsule Device		
			Outline	Mounting Surface Diameter mm	Nominal Thickness mm
CMK 450 X 56M	65	M8	DO-200AA/TO-200AB	19.0	13.8
CMK 550 X 56M	65	M8	GTO	29.5	16.0
CMK 900 X 56M	65	M8	Diode/Thyristor	25.1	14.6
CMK1100 X 76M	89	M10	DO-200AB/TO-200AC	34.0	26.2
CMK1130 X 60M*	70	M8	DO-200AB/TO-200AC	34.0	26.2
CMK1130 X 76M	89	M10	DO-200AB/TO-200AC	34.0	26.2
CMK2100 X 76M*	89	M10	GTO	47.0	27.0
CMK2140 X 76M*	89	M10	DO-200/Thyristor	47.0	26.8
CMK2500 X 116M*	132	M12	GTO	63.0	26.0
CMK3000 X 116M*	132	M12	DO-200AD/Thyristor	63.0	33.0
CMK3500 X 116M*	132	M12	GTO	75.0	26.0
CMK4000 X 116M*	132	M12	Diode/Thyristor	73.0	36.8
CMK5000 X 128M*	146	M16	GTO	75.0	26.0
CMK7000 X 128M*	146	M16	Diode/Thyristor	75.0	26.6
CMK450B 19M	50 PCD	M5 X 50 Bolts	DO-200AA/TO-200AB	19.0	13.8
CMK450B 25M	50 PCD	M5 X 50 Bolts	Diode/Thyristor	25.1	14.6
CMK1500B 34M	70 PCD	M6 X 50 Bolts	DO-200AB/TO-200AC	34.0	26.2

* M for T_j up to 190°C, ML for T_j 125°C.

Note: 1Kgf = 9.8 Newtons

Fig 1

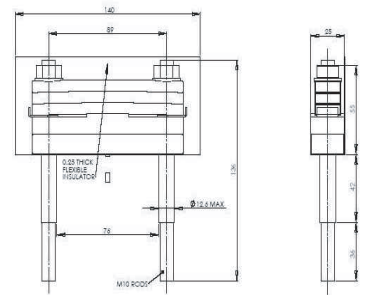


Fig 2

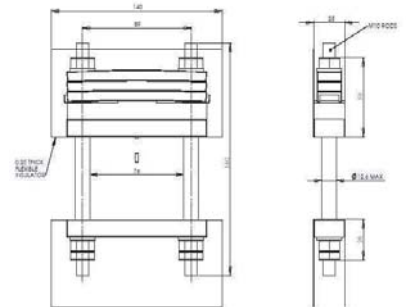


Fig 3

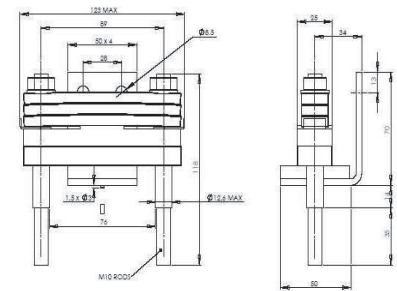


Fig 4

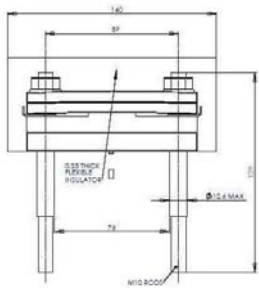


Fig 5

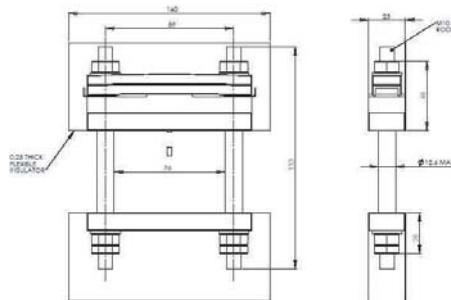
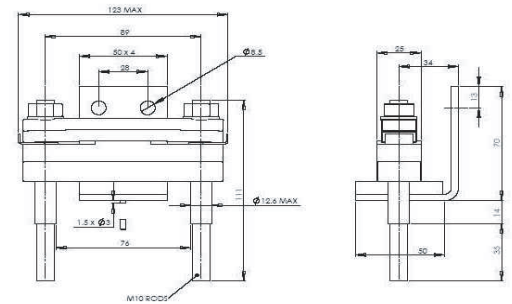


Fig 6



Certificate No. FM 26085

All plastic components are UL recognised and meet the requirements of the European Union Directive 2002/95/EC covering the restricted use of certain hazardous substances in electrical and electronic equipment.

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