

## Power Assemblies - Clamps - Double Side Cooled

Please select product type required from the options below.

|                                    |                        |                                    |  |
|------------------------------------|------------------------|------------------------------------|--|
| <a href="#">Power Assemblies</a>   | <a href="#">Clamps</a> | <a href="#">Heatsinks</a>          | <a href="#">Technical Enquiry Form</a> |
| <a href="#">Double Side Cooled</a> |                        | <a href="#">Single Side Cooled</a> | <a href="#">Cube</a>                   |

To achieve optimum performance and to ensure safe operation, disc semiconductor devices require application of the correct clamping force. The correct clamping force for a device is given in the device datasheet.

The clamp outlines shown in this section are intended to give an overall impression of size and shape, and they should not be scaled for more detailed design purposes.

Full engineering drawings may be obtained from Customer Services : Tel : +44 (0)1522 502901 / 502753 or Email : [power\\_solutions@dynexsemi.com](mailto:power_solutions@dynexsemi.com)

### Clamp Part Numbers

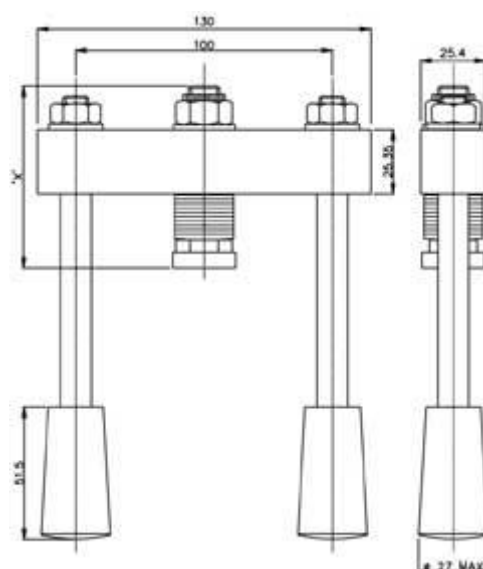
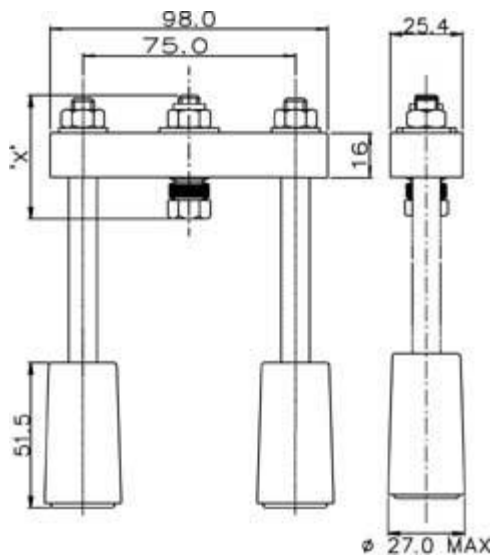
**30504A2-0220-165**  
 165mm tie rods/bolt length required  
 22kN pre-set load  
 Drawing size  
 Drawing number  
 (100mm centres double side cooled)

**31081A3-0027-050**  
 50mm tie rods/bolt length required  
 2.75kN pre-set load  
 Drawing size  
 Drawing number  
 (175mm centres double side cooled)

When determining the length of tie rods / bolts required, the following can be used as an approximation:  
 $45 + \text{Dim X} + 2(\text{heatsink web thickness}) + \text{device thickness}$

Bolts can be supplied in increments of 5mm.

### Double Side Cooled Clamp Outlines

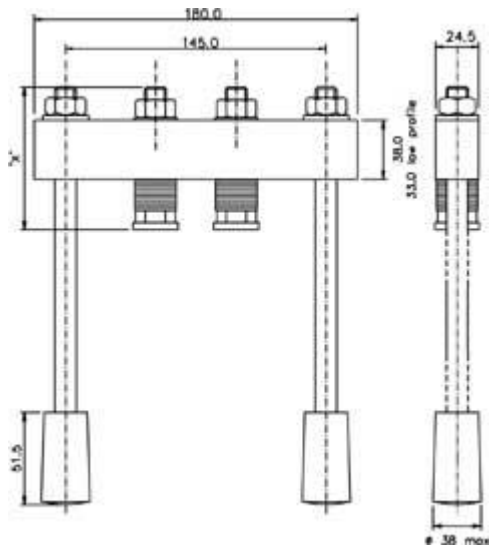


31053A2-XXXX-XXX : 75mm centres

30504A2-XXXX-XXX : 100mm centres

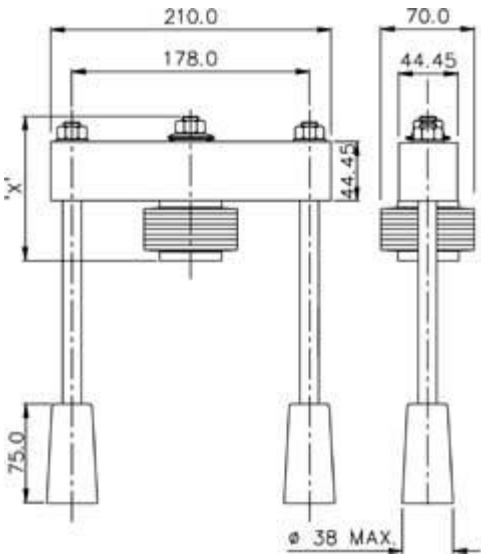
| Load (kN)                    | Dim 'X' | Load (kN) | Dim 'X' |
|------------------------------|---------|-----------|---------|
| 2.75 / 3.5 / 4.5 / 5.0 / 5.5 | 42.6    | 10 / 12.5 | 68      |

|  |      |           |    |
|--|------|-----------|----|
| 8.0 / 9.0                              | 45.5 | 19.5 / 22 | 72 |
| 9.5 / 10.0 / 11.0 / 12.0 / 12.5 / 15.0 | 51.5 |           |    |



17331A2-XXXX-XXX : 145mm centres

| Load (kN)          | Dim 'X' |
|--------------------|---------|
| 20                 | 72      |
| 30 / 32 / 35 / 43  | 92      |
| <b>Low Profile</b> |         |
| 32/35/43           | 72      |



32101A2-XXXX-XXX : 178mm centres

| Load (kN) | Dim 'X' |
|-----------|---------|
| 83        | 110     |
|           |         |