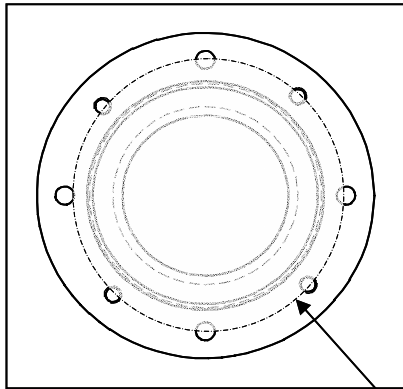


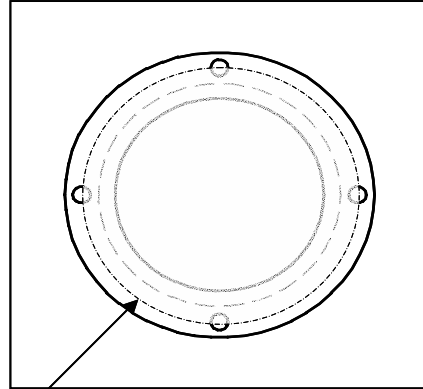
Mounting A Topper

The Topper range of Pan & Tilt heads has a base fixing that requires 4 x M6 bolts and washers. These fixings are on a 101.6mm PCD as shown below

Standard Unit



Continuous Rotation Unit



101.6mm PCD

When mounting a Topper Pan & Tilt unit, additional considerations are required. A fully loaded pan & tilt camera assembly may weigh in excess of 25Kg. Additional allowances may be required for adverse weather conditions such as ice & snow and high winds. Careful consideration must therefore be made to the location of the camera position.

Once the camera location has been established, a suitable bracket of sufficient load capacity and rigidity is required.

The surface of the camera location must be in first condition and suitable for the purpose, with no crumbling mortar or brick. The mounting bracket should be attached to the mounting position with suitable heavy duty rawl bolts.

The size of the camera head, and in particular the camera housing must be given sufficient clearances to ensure no obstructions occur. The motor and gearbox assemblies used in the Topper range are designed to be "stalled", but continuous abuse will cause damage.

The pre-sets are centered before being shipped. The base mount on both heads allow unit to be centered on field of view before being finally clamped.

Safety Precautions

All persons installing and maintaining this equipment should be suitably qualified and work to national and local standards and codes of practice

The equipment is subject to remote control and may be operated at any time. Persons working on the equipment should take appropriate precautions to ensure that any unexpected movement does not occur as this could lead to injury.

In locations or areas where the risk of Injury occurs, or any part of the assembly may become detached or fall for any reason, a strong safety chain or wire hawser should be attached between the equipment and the mounting surface. At all times, normal safety precautions must be employed.

Hazardous voltages are present in this equipment and may also be present in any associated items.

Cabling of the correct type as specified by national and local standards should be used. Cables should be checked for wear at 6 monthly intervals and replaced as necessary.

All fixings and fastenings must be thoroughly checked for tightness one month following installation, and thereafter at regular 6 monthly intervals.

Control Connections

The Topper range are available in both pre-set and non pre-set versions. The non pre-set AC versions have a single 7 pin connector located at the rear of the body. Pre-set AC versions have an additional 4 way connector. If a heater is required this is increased to a 7 way connector.

The DC version has two 7 way connectors at the rear of the body for all applications.

The continuous rotation version has an 18 way & a 9 way connector on the base of the unit and two 7 way connectors on the head itself.

The connectors must be assembled correctly to ensure that there is no water ingress through the connectors. This is very important as this can cause extreme problems within the pan and tilt unit.