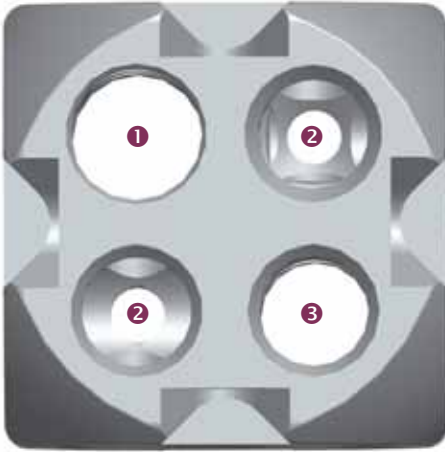


Magic Cube Applications

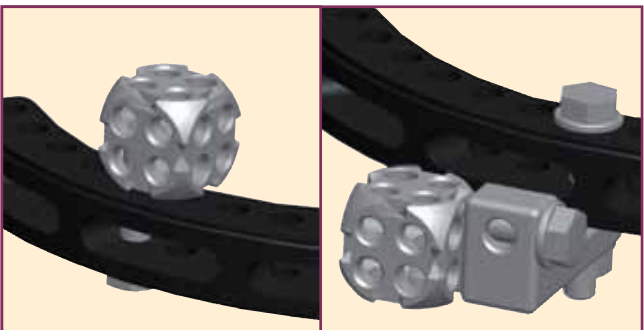


FEATURES



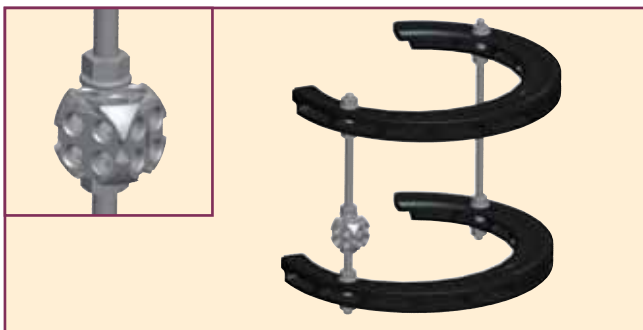
Each face of the Magic Cube has four holes:

- 1 One 6 mm hole for insertion of a 6 mm diameter bone screw.
- 2 Two 2.5 mm inner holes for insertion of K-Wires with or without olive.
The 5 mm outer hole is threaded for screwing a locking bolt to secure a K-wire or a bone screw inserted in one of the adjacent faces of the cube.
- 3 One 5 mm threaded hole for:
 - securing the Magic Cube to the ring using a bolt, a post or threaded bar
 - screwing a locking bolt to secure a K-wire or a bone screw inserted in one of the adjacent faces of the cube
 - inserting a 5 mm bone screw.

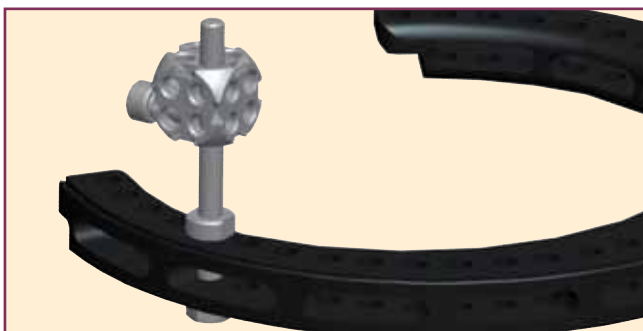


RING ATTACHMENT

The Magic Cube (81018) can be attached directly to a ring, or to an extension plate which is mounted on to a ring. In both cases its position is secured with a 25 mm bolt (81024, pack of 10) and a washer (81022, pack of 20 nuts and washers).



It can also be suspended on a threaded bar (lengths 80-120-160-200 mm, codes 80036-80037-80038-80039) between two rings.

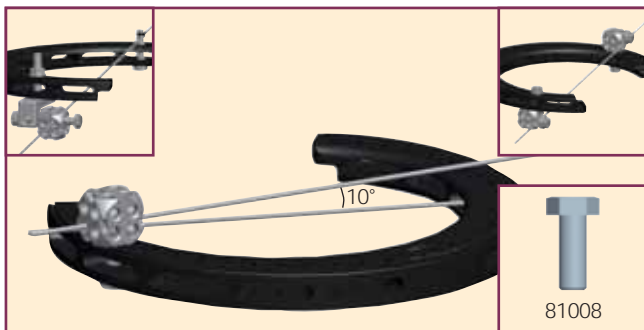


It can also be mounted on a threaded bar or a post (lengths 50-100 mm, codes 80042-80044) which is attached to a single ring. In the latter case (shown above) the resultant fixation will be less stable the further that the cube is from the ring.



WIRE FIXATION

The Magic Cube can be used to secure fixation of a wire with or without olive. In the latter case, the wire is locked into position with a locking bolt (81019, pack of 2) using an Open End Wrench (81030) and a Universal Allen Wrench (91017).



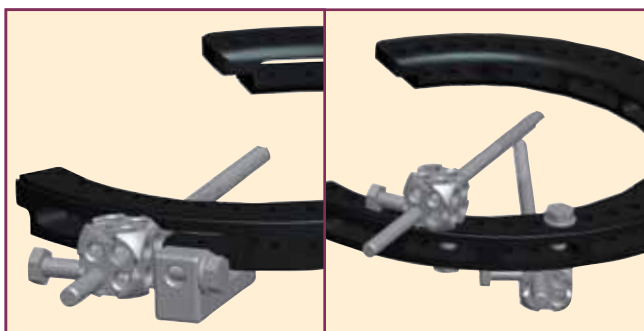
A lateral olive wire can be angled up to 10° within the cube. The cube can be used to capture an aberrant wire that has emerged too distant or angled from the ring for conventional fixation. The cube can also be used with slotted washers (81023) and hexagonal headed ring locking screws (81008) to anchor a wire on the outside surface, and this facility can be used to cross a ring obliquely with very strong fixation.



SCREW FIXATION

The Magic Cube can also be used to secure fixation of a bone screw.

A screw is locked into position with a hexagonal headed ring locking screw (81008) and two Open End Wrenches.



By using an extension plate together with the Cube it is possible to insert a screw through, above or below the ring. The distance between the screw and the ring can be modified by how the extension plate is used.