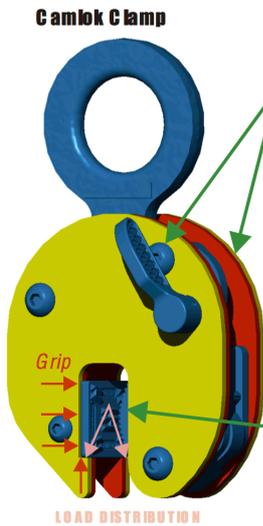




Camlok® Lifting Clamps

WHY A CAMLOK: The Advantages Explained

The 92 Series of plate clamps can be used on all hot rolled structural steel plates and sections up to a surface hardness of 300 Brinell. They can be used to lift plate from the horizontal to vertical position and vice versa through 180 degrees. This range is fitted with a hold open and lock closed device, to initiate the self-actuating force a spring is incorporated into the clamp to give an initial bite on the material. If the plate should start to slip during the lifting the can shape of the jaw turns with the material and increases the gripping force.



Bolted Design

The bolted design of the 92 Clamp means that there can be no weld defects such as micro fractures, inclusions etc. the design allows for easy maintenance and repair of parts without specialised tools.

Load Distribution (Round Pad)

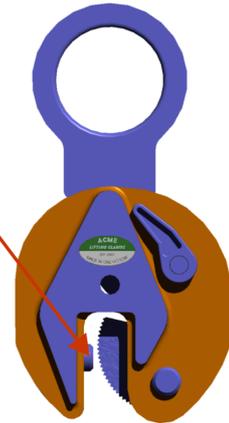
The round pad is fitted into a circular housing in the clamp and held in place by a bolt. The force of the load is focussed on a small area at the base of the housing.



Load Distribution (Camlok Pad)

The force of the load on the Camlok Clamp is distributed through the pad directly to the clamp housing. This means there is no load stress on the pad bolts and eliminates the possibility of pad bolt failure during lifting.

Competitor & Chinese Copy Clamp

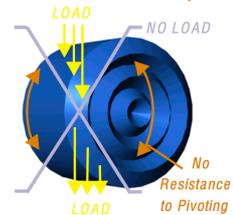
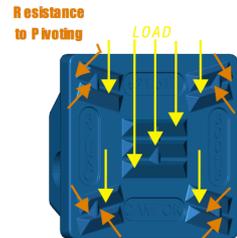


The Camlok Pad

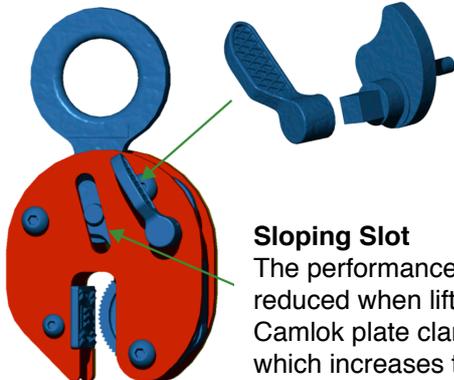
The wide spacing and layout of the teeth on the Camlok square pad help stop the plate and clamp pivoting during lifting, this protects the straight teeth on the moving jaw. All the teeth on the square pad can be considered to lift the load therefore maximising efficiency. The teeth can be buttressed to aid penetration and strength.

Round Pads

On round pads the gripping force must push all the teeth into the material however only the top and bottom quarter of the pad can be considered to effectively lift the load, this reduces the efficiency of the pad. There is no resistance to pivoting and the straight teeth on the jaw suffer any rotational stress and wear. The tooth profile must be symmetrical so can not be buttressed to aid strength and penetration. Round pads have the advantage of being cheap to produce.



CAMLOK CLAMP



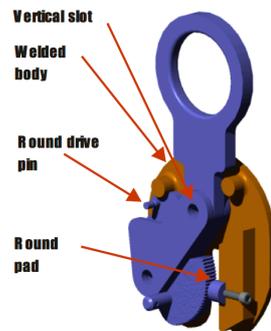
Cam Handle

The cam handle has been ergonomically designed with a wide flat surface to allow ease of operation whilst wearing protective gloves. The cam handle connects to the cam via a robust square drive.

Sloping Slot

The performance of other clamps with vertical slots is reduced when lifting from the horizontal. Camlok plate clamps are designed with a sloping slot, which increases the grip on the load when the clamp is in the horizontal position.

Competitor & Chinese Copy Clamp



Quality

Camlok Clamps are designed and manufactured in Great Britain in accordance with BS EN ISO9001:2000 and comply to AS4991-2004.

Camlok is credited by BSI and is a member of the Lifting Equipment Engineers Association (LEEA). The 92 series of Camlok Plate Clamps are 100% tested to 2x Working Load Limit.