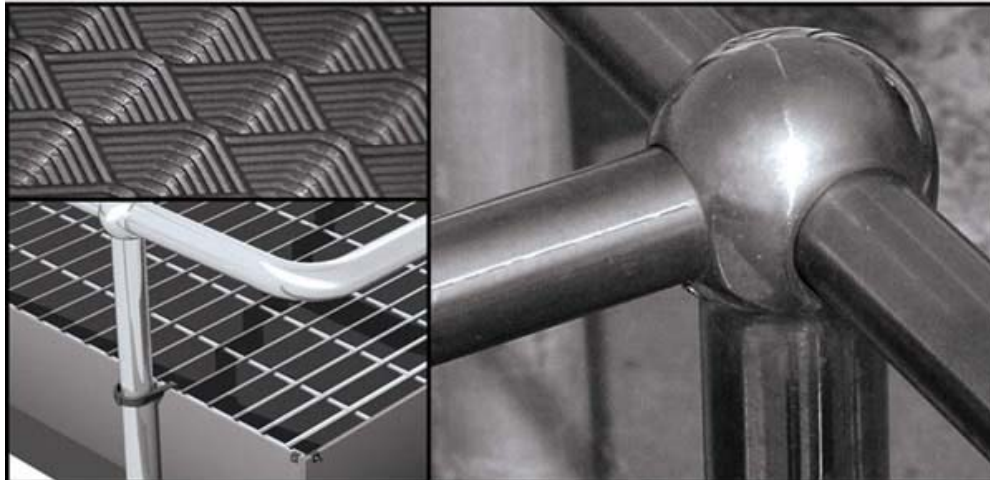




**VITAL ENGINEERING & ANGUS MCLEOD**



gratings • expanded metal • handrails • vitagrid • maclock • vitacon • vitex

Your **First** Choice.  
**Vital** support.

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YOUNG & GROWING



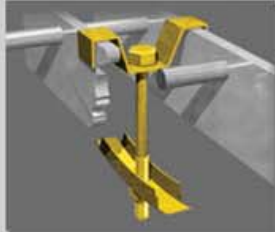
NATIONAL ACCREDITATION  
OF CERTIFICATION BODIES

ENISO 9001-2000

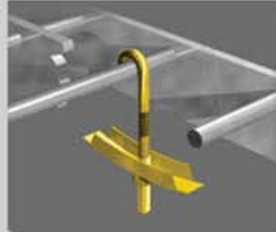
# Fixings

## Grating Fixings

For the animated application of fixings, please see our CD.



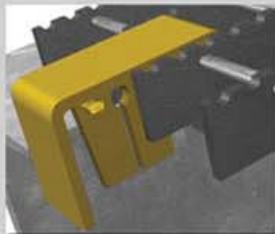
ITEM 28: Standard fixing with saddle, bolt, nuts and washer for secure fixing top & bottom.



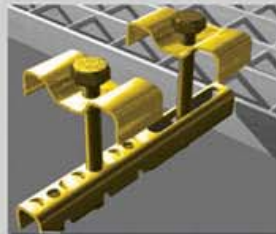
ITEM 29: Standard fixing with hook, bolt, nuts and washer for secure fixing top & bottom.



ITEM 33: Vitaclamp. Saddle clamp with 8mm diameter. Secure top only.



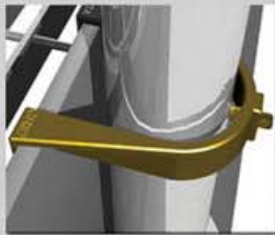
Perma Grip



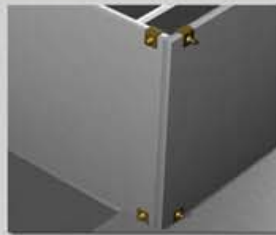
Continuity Clip



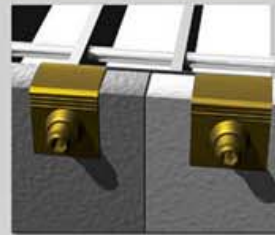
Locating Pin



VitaKey 1



VitaKey 2



VitaKey 3

## Macklock Handrail Fixings

### Stanchions

Standard M16 x 40mm hex head bolts, nuts and washers.

Item 30 Kickplate Clamp

Item 31 Welded Clamp

### Handrail & Bends

Joining by Ferrules as per Item 23 on Page 7. Fixing joints by pins, hammerdrive screws (both M3.5mm) or welding/epoxy glues. Solid: Fix joints by welding or pins.

### Finishings

The finishes that these systems are available in are as follows:

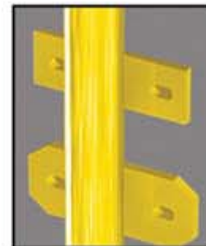
- Red oxide etch primer
- Galvanised
- Polished
- Pickled

### Balustrading

Only the more popular systems have been displayed. For other types please contact our offices who would be able to assist with your requirements.



Item 30 - Kickplate Clamp



Item 31 - Welded Clamp

# Contact Us

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