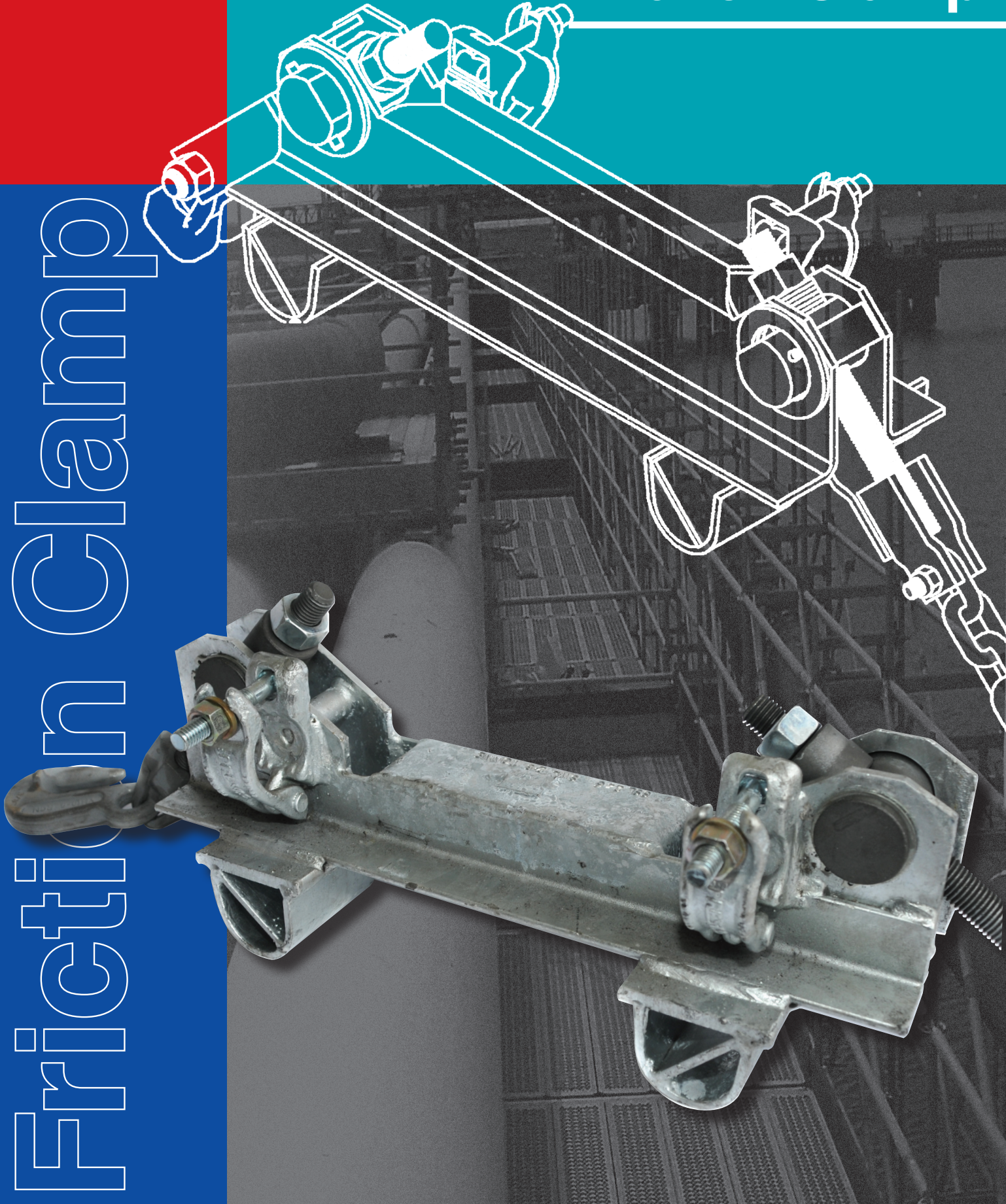


Friction Clamp

Friction Clamp



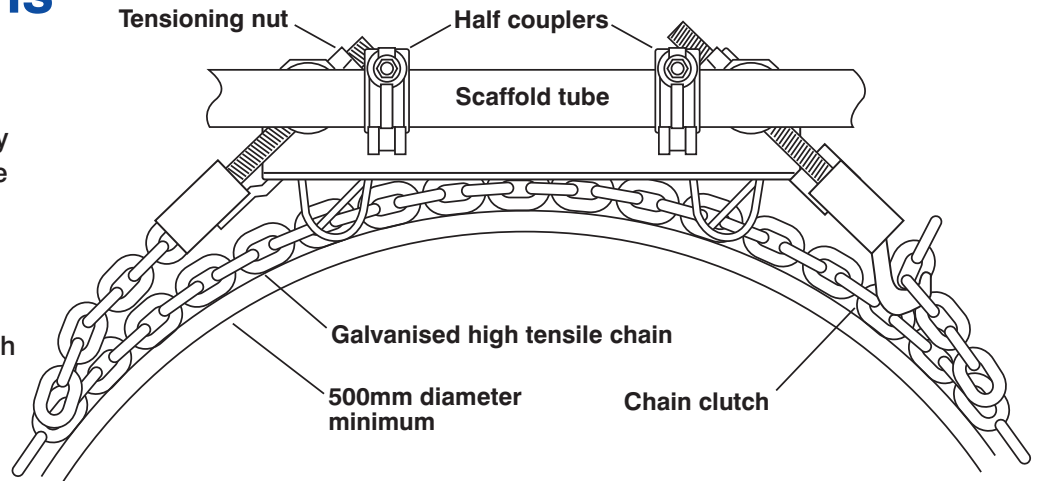
Manufactured to ISO 9001: 2008
by UK company

  **Scaffolding**
 **Supplies Limited**

Universal Friction Clamp

User Instructions

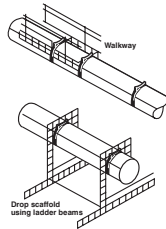
The Universal Friction Clamp provides a safe and easy fixing method to secure scaffolding to any part of tubular steel jacket. It can be used for catwalks, platforms and access ladders for repair cleaning and painting. It is also safe to be constructed on offshore jackets. Speedy removal is achieved through the rapid release clamp. The Universal Friction clamp is also popular for use in platform fabrication yards where it provides safe and secure access to all parts of the construction work.



Universal Friction Clamp
Code: 0566
Weight of clamp excluding chain: 13kg

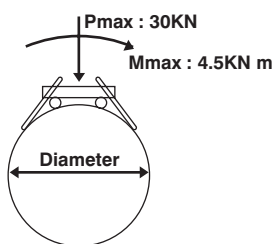
Introduction

The clamp can be fitted horizontal, inclined or vertical tubular members of any diameter from 500mm upwards.



Although it will have some resistance to loading applied parallel to the axis of the tubular member, it is intended to support loading applied at right angles to the axis.

The maximum permissible applied load and out of balance moment when applied as illustrated below are 30kN and 4.5kN m respectively.



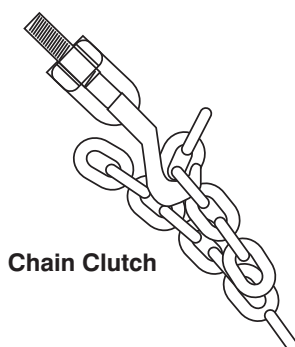
The minimum length of chain required will depend on the diameter of the tubular member concerned. (see table below). Code 0571.

| Diameter (mm) | Chain length (m) |
|---------------|----------------------------------|
| 500-600 | 4.0 |
| 600-900 | 6.0 |
| 900-1200 | 8.0 |
| 1200 > | information available on request |

For safety reasons the chain is supplied ready fixed to the clamp, so potential users should specify the size of the members on which the clamp is to be used, when ordering.

Fixing procedure

1. Ensure the clamp is fitted with the correct length of chain for the tube to which it is to be fixed. (see table).
2. The load capacity of the clamp could be adversely affected if the tube is excessively oily or wet so it is advisable to ensure that the tube is as clean as reasonably possible.
3. Loosen the nuts on the tensioning devices each side of the clamp to approx. 15mm from the ends.
4. Place the clamp in the approx. required position on the member which it is to be fixed and pass the free end of the chain completely round the member.
5. Lift the clamp sufficiently to enable the chain to be located in the two slots in its underside and take a second turn round the tube with the chain.
6. Ensure that the chain is not excessively twisted, snagged or misplaced (i.e. it takes the shortest path) in its two turns round the tube, then engage a convenient link in the chain clutch.



7. Tighten each of the tensioning nuts sufficiently to hold the clamp in position.
8. Check the position of the clamp for the position and orientation. If it needs re-positioning, slacken off the tensioning nuts sufficiently to allow the clamp to be repositioned, then re-tighten.
9. Once the clamp is positioned correctly, tighten up the nuts to a torque of 40lb ft (54 Nm) approx.
10. The clamp is then ready for use.

N.B. A small degree of movement occurs when the maximum out of balance moment is applied.

Where such movement could damage paintwork etc. it is advisable to provide a protective layer between the clamp and the tube. Six ply conveyor belting is suitable for this purpose.

Dismantling Procedure

1. If the scaffold structure attached to the clamp has been dismantled, the tensioning nuts can be loosened, the chain disengaged from the clutch hook, and the clamp removed from the pipe.
2. If it is required to detach the clamp with the scaffolding equipment still attached to it, provision must be made to support the load from such equipment before the tensioning nuts are loosened.