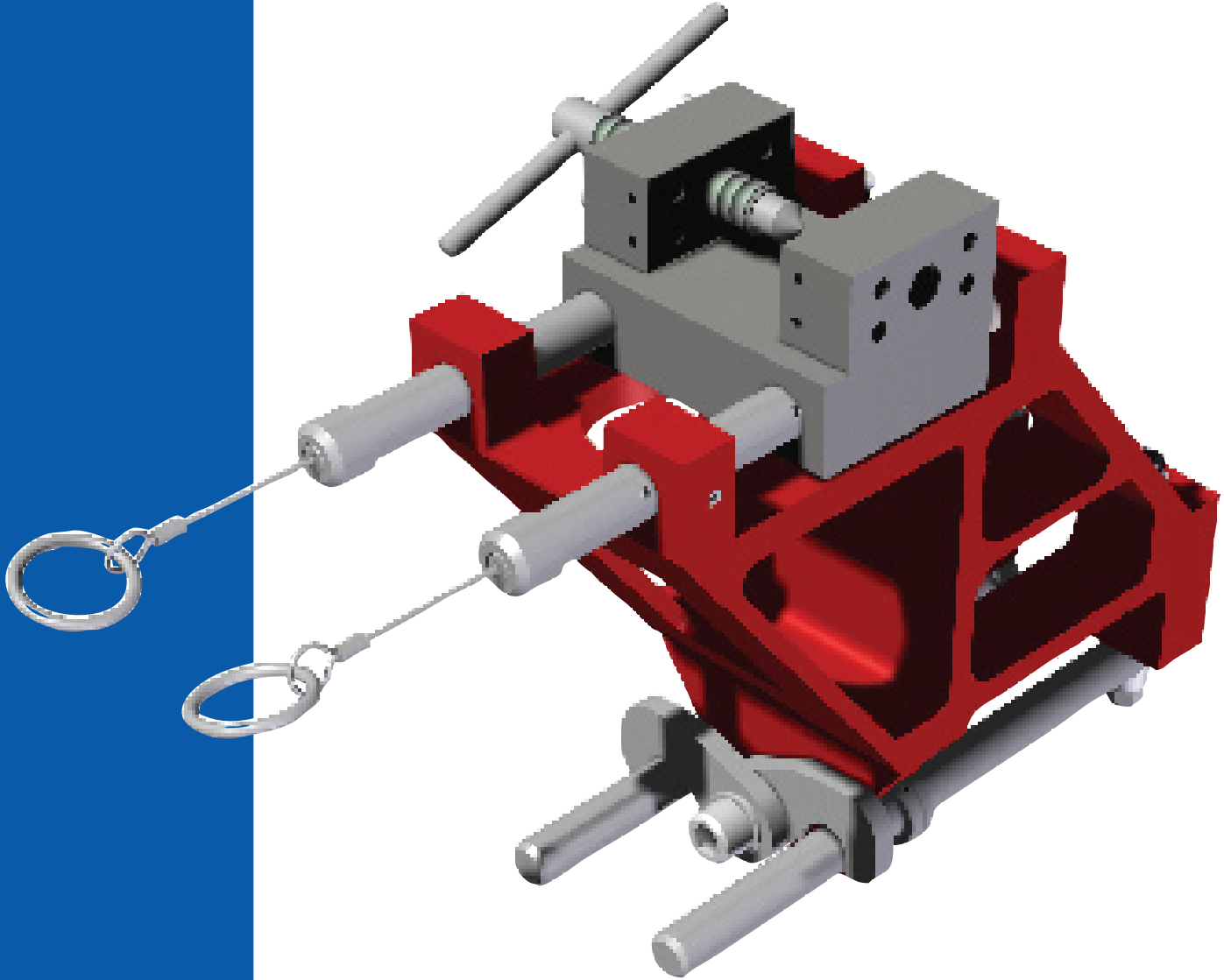




**DAWSON**  
CONSTRUCTION PLANT LTD

# SHEET PILE THREADER



- FOR RAPID SHEET PILE INTERLOCKING
- WORKS IN ALL WEATHER CONDITIONS
- AN EXCEPTIONALLY PRODUCTIVE AND SAFE WORKING METHOD
- SAVES TIME, MONEY AND LIVES

The Dawson “Pile Threader” is a mechanical device which interlocks sheet piles when sheet piles are being pitched in panels. It replaces the ‘Top Man’ or ‘Pile Monkey’ who normally carries out the interlocking by hand.

The Pile Threader has two main advantages:

#### **PRODUCTION**

- a) Interlocking piles, with the pile threader is faster than any other safe method of working.
- b) Every year several weeks of pitching time is lost due to strong winds. Much of this time is recovered using the pile threader as it will operate in severe weather condition (e.g. half gale).

#### **SAFETY**

Instead of the ‘Top Man’ climbing or being hoisted up to the top of the piles and interlocking manually in an exposed position, the pile threader can be attached to the pile at top frame level and the threader goes to the top to do the interlocking. This eliminates the most dangerous manual operation.



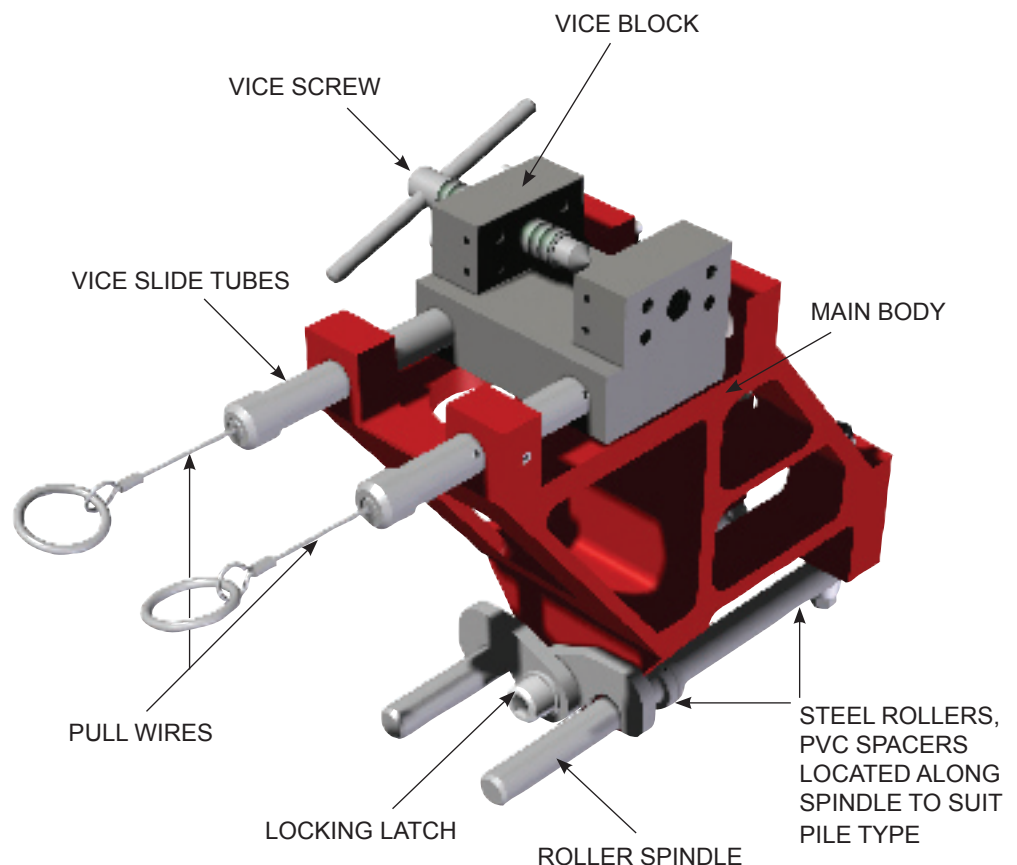
**DAWSON**  
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WORLDWIDE  
DEALER  
NETWORK

GLOBAL  
SUPPLY,  
LOCAL  
SUPPORT.

### Method of Operation

1. The threader is pre-loaded by pulling the pull wires and vice block against spring pressures and cocking.
2. The pile to be pitched is lifted until the bottom end is about 1 meter above ground level. The threader is then clamped onto the pile with the vice. The relative position of the pile is governed by a top plate to suit the pile sections being used.
3. The pile with threader attached is then lifted by the crane to the last pile in the panel. By means of rollers the lower part of the threader is then clamped to the last pile of the panel so that the interlocks are adjacent to each other. The clamping operation is designed to permit free movement of pile and threader in a vertical direction. This attachment is normally done at top frame level.
4. The cocking device inside the vice slide tubes are then released.
5. The crane lifts the pile to be pitched until its bottom edge is above the previous pile in the panel. The spring pressure on the vice block forces the pile across into the locking position. As the pile is lowered it interlocks, the threader is then unclamped at top frame level.



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