

# Hydraulic Sheet Pile Feeder

## Product Description/Function

The Sheet Pile Feeder facilitates the lifting of a steel sheet pile and its positioning in the clamps. It reduces rigging time and the potential risk associated with pile pitching.

The Sheet Pile Feeder consists of a robust steel frame which integrates a hydraulic cylinder with sheaves and the rope suspension brackets. A solid steel plate protects these parts. The appliance further consists of two fairlead plates with baffles for the chains, together with ropes and chains and connections for the hydraulic and electrical power supplies.

The Sheet Pile Feeder can be mounted on all vibrators, provided that there is a mounting point on the suspension yoke. Hydraulic power is supplied and the appliance is controlled by the piling rig.

The fairlead plates, which can be adjusted to suit various types of profiles, are installed beneath the vibrator. The chains are threaded through the plates and are fixed to the outer sides of the sheet piles. The vibrator and the sheet piles are lifted up and the sheet piles placed in position (Diagram 1).

The hydraulic cylinder is extended, thus tightening the ropes and chains, and the vibrator is lowered (Diagram 2). In this manner, the head of the sheet pile is automatically placed in the correct position within the clamps.

The clamps are then closed.

