

## **TECHNICAL SPECIFICATIONS**

### **HYDRAULICALLY OPERATED GEISMAR RAIL PULLER MODEL ATR.6-MPR**

This device connected to the Geismar Hydraulic Rail Threader, Model MPR is designed for pulling long rails up to the length of about 120 m.

It consists of :

- One double acting hydraulic cylinder, stroke 300 mm, the rod and bottom of which are fitted with clevis
- A hook fixed on the bottom of the cylinder by a pin
- A pulling chain 4 m long with ring and hook
- Two grips for pulling non-drilled rails
- Two hydraulic hoses, each provided with a quick coupling for connection of the cylinder either to Geismar Hydraulic Rail Threader, model MPR or to a hand-operated hydraulic pump.

The control distributor is automatically fitted on all Geismar Hydraulic Rail Threaders.

### **Use**

This device allows to bring nearer two rails on a same string, the ends of which are far from each other by 2.50 m. The fastening of one of the two rails (bolts or coachscrews) must be tightened in order that the free rail be pulled. To this end, each rail is capped with a grip.

The cylinder and its hook are fastened to a grip while the pulling chain passes through the upper axis of the second grip and inserts in the hook to make two strands.

Both hoses are then screwed on the connections of the first left distributor upper side of the Rail Threader. The other ends are fitted with quick couplings and must be directly connected to those of the cylinder. As they are staggered, they cannot be inverted.

As the distributor is pre-calibrated in factory at 100 bar, the outgoing of the cylinder rod is controlled by the operator. The chain must then be stretched either by fastening it shorter or by moving one of the grips backward on the rail.

By operating the cylinder ingoing, a traction is exerted on the whole unit and then on the rail to be pulled. This operation to be repeated until both rail ends meet.

This Rail Puller can also be used as a self-contained device. In this case it is necessary to add a hand-operated hydraulic pump with incorporated distributor and oil tank.