

HYDRAULIC RAIL PULLERS

ATR

The ATR puller has been designed to bring together two rails on the same line, the ends of which are several metres apart. One of the two rails is fixed, the other is free to move.

Each rail is fitted with a clamp.

An hydraulic cylinder is hooked to the clamp on the fixed rail and connected by a cable to the clamp on the free rail. The cable is kept taut by moving the clamp on the free rail.

The pulling stroke of the ram exerts a tractive force on the whole unit, therefore onto the rail to be pulled. Both rails are thus brought together by the successive repositionning of the clamp.

Depending on the model concerned, a double acting hydraulic cylinder is operated either by a hand pump or an engine driven pump or by quick release couplings on the hydraulic distribution block of an MPR hydraulic rail threaded or of a PUM hydraulic lifting gantry.

ATR 20 : Instead of a cable, a rigid extension piece of welded steel construction enables the ATR to push the rail. As an option a lightweight trolley with hand brake can be supplied to facilitate transport of this device on track.

ATR 12 : As an option, instead of a cable, a rigid extension piece of welded steel construction enables the ATR to push the rail.

Technical specifications

HYDRAULIC HAND PUMP HYDRAULIC MOTOR PUMP FED BY MPR OR PUM		ATR6-H ATR6-MPR	ATR12-H ATR12-M	ATR12-PUM	ATR20-H ATR20-M
Nominal tractive force :	kN (≈ t)	60 6	120 12	46 (4.6)	200 20
Working hydraulic pressure pulling :	bar	100	390	150	450
pushing :					70
Ram stroke :	mm	300	250	250	250
Dimensions					
Maximum length, of the rails to be pulled :	m	120	150	150	150
Maximum distance between rails to be brought together :	m	3	2.5	2.5	1.50
Length of cable or extension piece :	mm	2 500	2 000	2 000	840
Masses	kg				
cylinder :		38	35	35	44
clamps :		15	23	23	44
cable or extension piece :		10	13	13	21

Illustrations may include optional equipment. Actual performance depends on temperature, elevation and other factors. The descriptions herein are for the purpose of identification of the equipment. Masses, dimensions, forces, etc., are approximate. We reserve the right to modify design and specification in the light of continuing development.

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