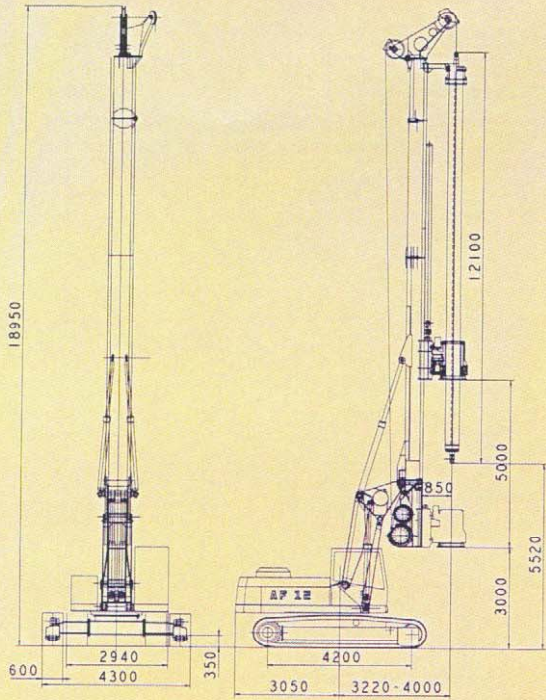




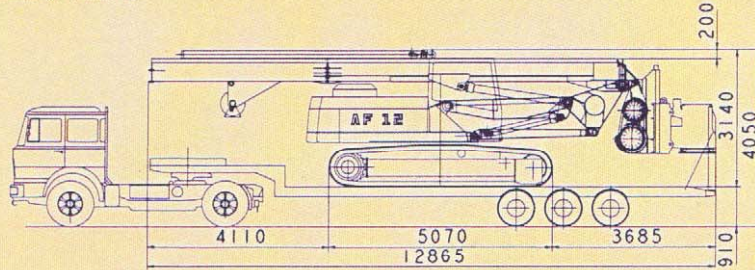
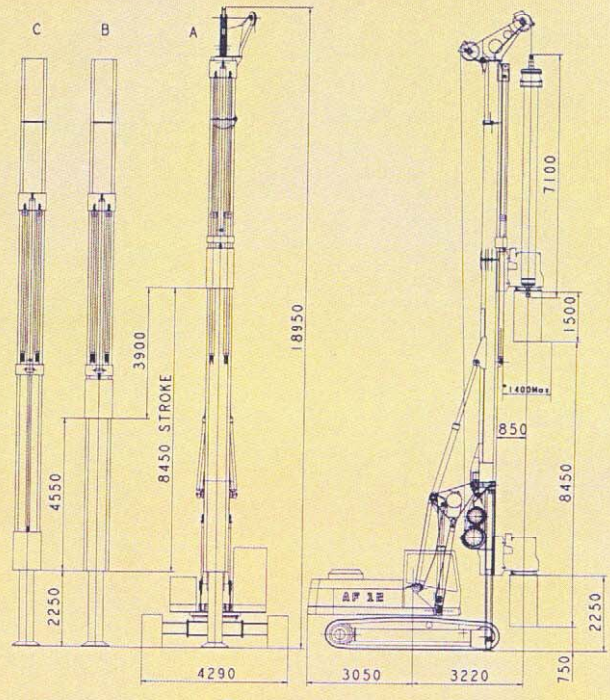
**AF 12**



## AF 12 WITH ONE PULL-DOWN PISTON



## AF 12 WITH THREE PULL-DOWN PISTON



### TECHNICAL REPORT ON THE IMT AF 12 DRILLING RIG

<b>Base machine:</b>	Caterpillar 325 EL
<b>Engine:</b>	Cat 3116 TA
	Max power Kw (HP) 124 (168)
	Rotation speed (Rpm) 2000
<b>Undercarriage:</b>	Width of shoes (mm) 600-700
	Overall length (mm) 5080
	Width in trans. pos. (mm) 2940-2990
	Width in work pos. (mm) 4300-4400
<b>Main winch:</b>	Pulling force (kg) 15000
	Max line speed (M/min) 80
	Rope diameter (mm) 24
<b>Auxiliary winch:</b>	Pulling force (kg) 9000
	Line speed (M/min) 80
	Rope diameter (mm) 20

### DRILLING EQUIPMENT

<b>Rotary:</b>	Max torque on the kelly (KNm) 115
	Drilling speed (Rpm) 8 to 27
	Maximum discharge speed (Rpm) 110
<b>Pull down cylinder:</b>	Stroke (m) 5 - (m) 8,45 with three pull-down piston
	Pull force (kN) 180 - (kN) 300 with three pull-down piston
	Push force (kN) 150 - (kN) 180 with three pull-down piston
<b>Kelly bar:</b>	Interlocking kelly bar 5/50
	Pile diam. max 1500 mm
<b>Total weight:</b>	43+5Tons (5Tons kelly bar) - 44+5Tons (5Tons kelly bar)



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**AF 12**

