



AF 18





The AF18 is an hydraulic drilling rig employed for the realization of bored piles of diameters from 300 up to 2000 mm. and a depth from 35 up to 64 m. in accordance to the kelly employed.

The AF18 is mounted on the CATERPILLAR 330EL hydraulic excavator.

The original CAT lowers undercarriages are modified by us to be extensible (from 3 m. to 4,4 m.).

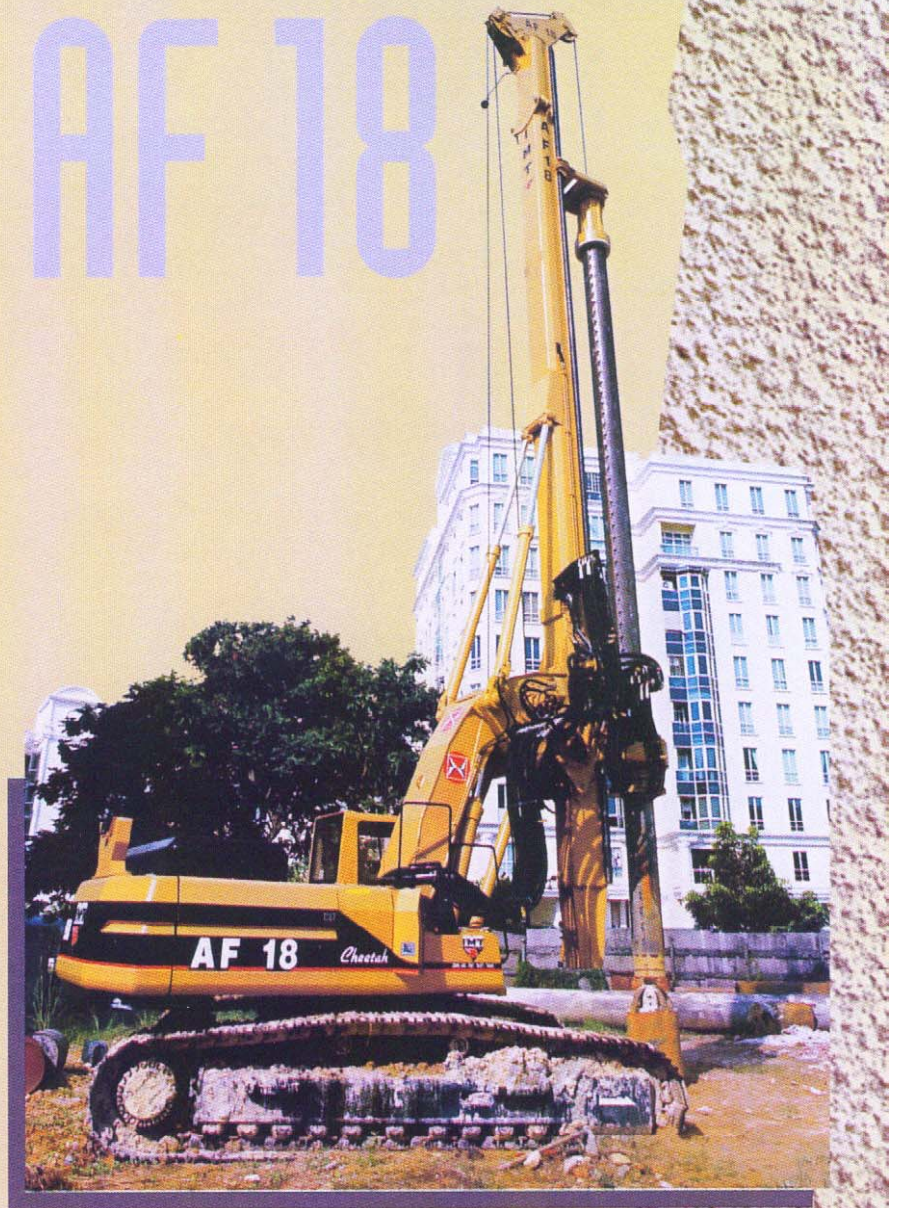
This makes for much better stability while the drilling rig is working.

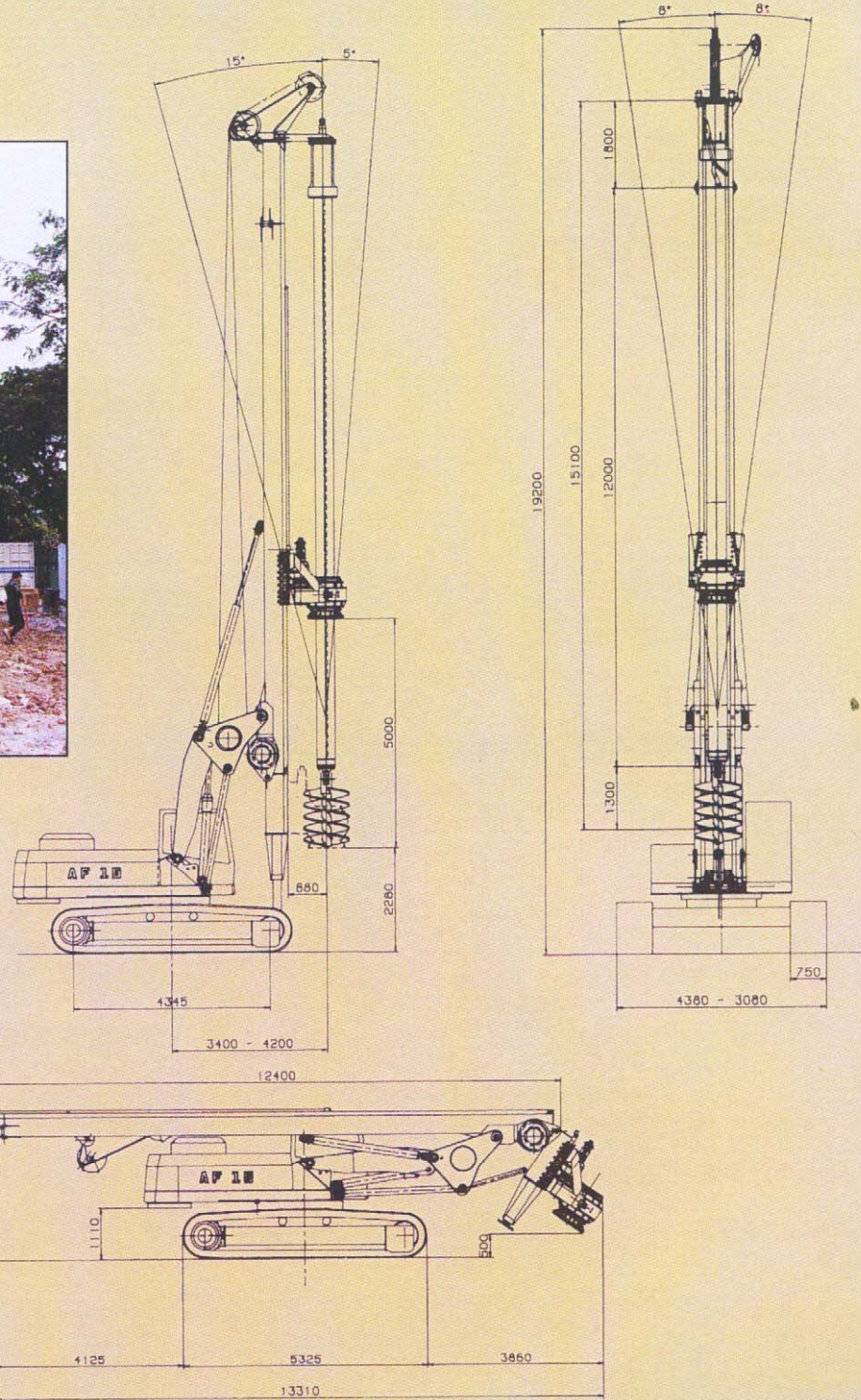


AF 18

AVAILABLE MODULES WITH AF 18:

- **Bored pile with kelly bar:**
clients can choose between two different crowd and hoist devices, either an hydraulic cylinder or a winch system;
- **Cased bored pile:**
with **casing oscillator** to be mounted on the lower works and to be driven by the hydraulic system of the base excavator or **rotary crowd system**.
- **Continuous flight auger (CFA):**
for 20 m. max depth 1000 mm. max diameter;
- **Diaphragm wall:**
with hydraulic grab and telescopic kelly for 40 m. max depth, with 1200 mm. max dig thickness and 2500 mm. width.





BASE MACHINE

BASE CARRIER	CATERPILLAR 330 EL
ENGINE	CAT 3306 TA
POWER	183 Kw - 250 HP
ROTATION SPEED	1800 rpm
HYDRAULIC SYSTEM	
Main Pump (Hydraulic oil flow)/Pressure	2 x 200 L/min - 350 bar
Service Pump (Hydraulic oil flow)/Pressure	1 x 100 L/min - 320 bar
CRAWLER SPEED (max.)	2,7 - 4,5 Km/h
UNDERCARRIAGE	Extensible tracks, class D7, traction force 340-400 kN
LENGTH OF CRAWLERS center/center	4345 mm
OVERALL CRAWLERS LENGTH	5325 mm
STANDARD WIDTH OF TRACK SHOES	750 mm
WIDTH IN WORKING POSITION	4400 mm
WIDTH IN TRANSPORT POSITION	3100 mm
HEIGHT IN TRANSPORT POSITION	3260 mm



IMT srl • INDUSTRIA MECCANICA TRIVELLE
Via d'Ancona, 39 - Osimo (AN) - Italy
Tel. 071-714645 r.a. - Fax 071-7133352