

**MAIT**

**HR 130**





# MAIT

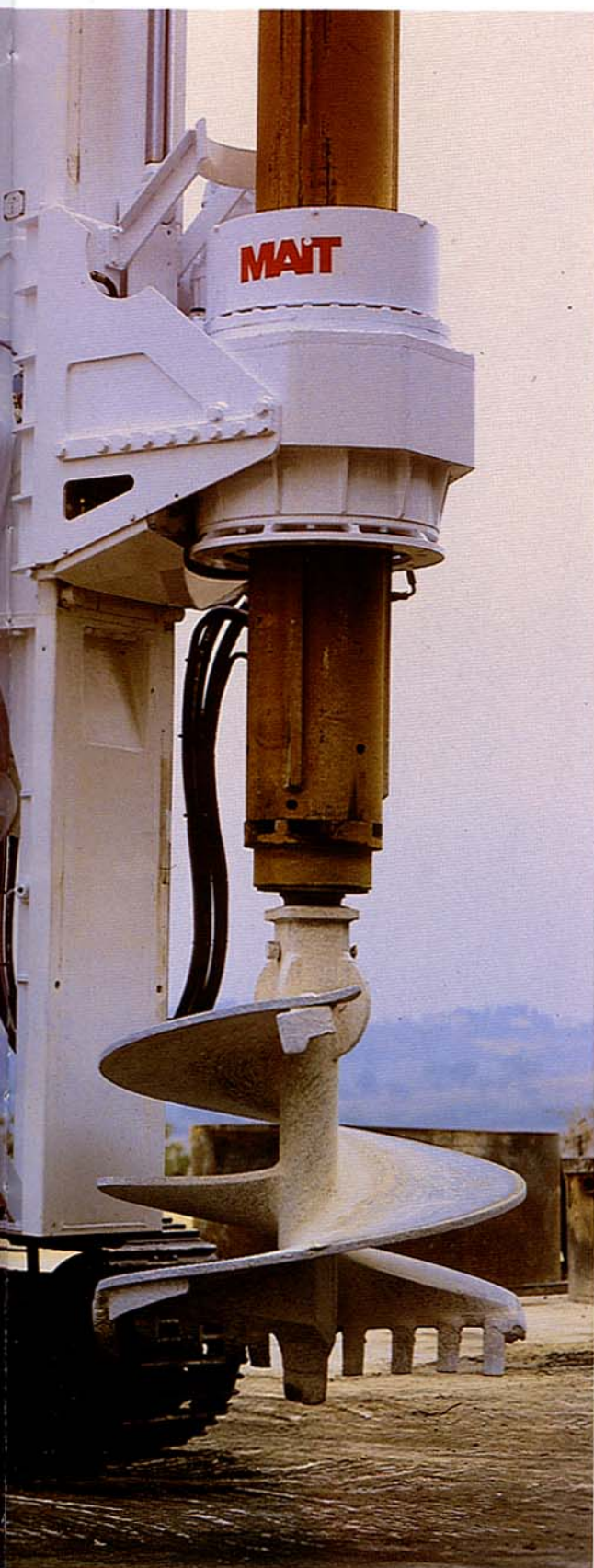


The HR 130 hydraulic drilling rig is mounted on an expandable crawler, and it can carry out drills with:

- augers and buckets
- casing tubes in terrains subject to landslides
- continuous flight auger
- diaphragm walls
- double head
- direct circulation



**MAIT**



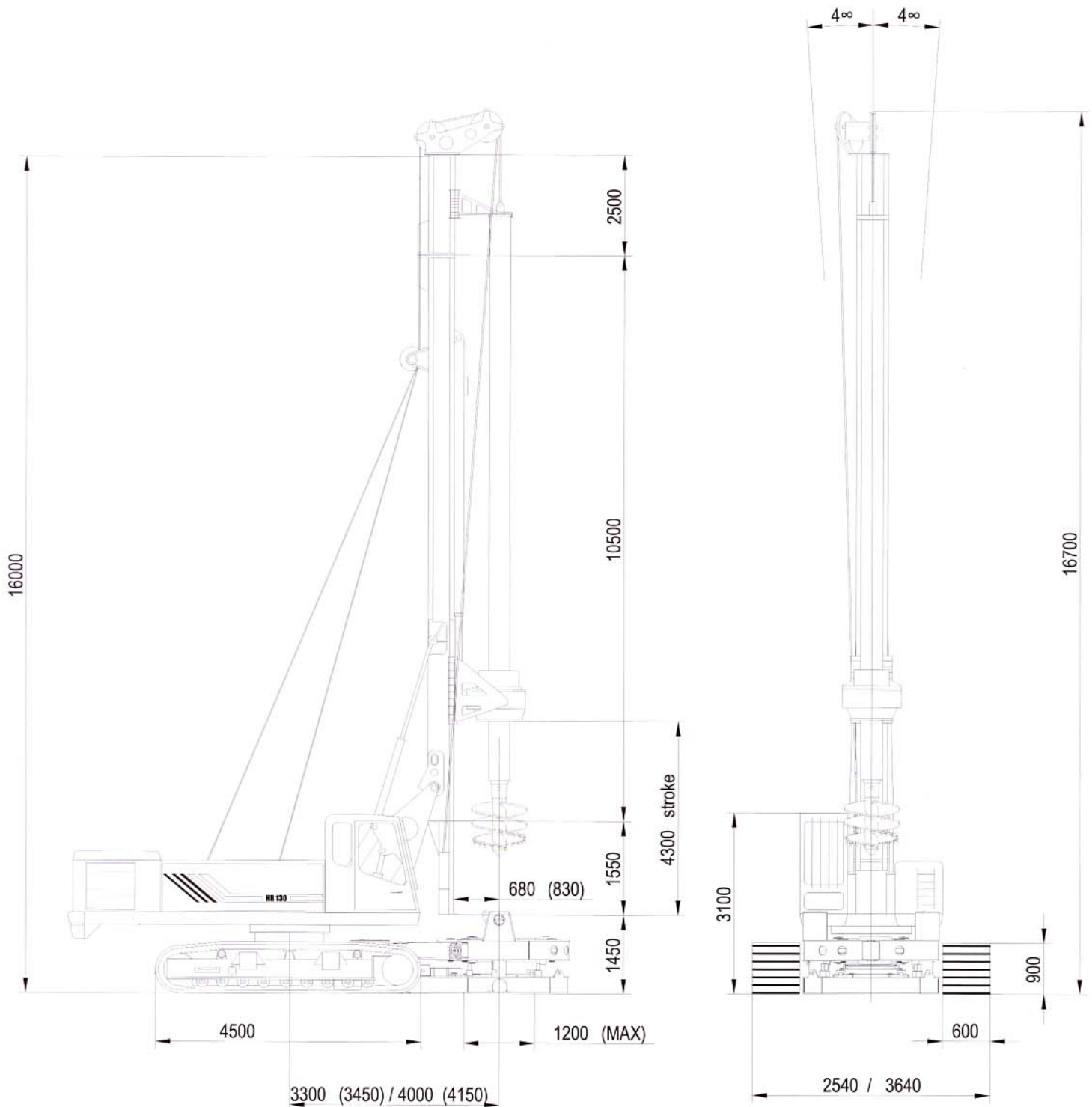
# HR 130

**A POWERFUL  
DRILLING RIG  
THAT DOES  
NOT REQUIRE  
DISASSEMBLY  
TO TRANSPORT  
FROM  
JOB TO JOB**



# HR 130

## Standard Version



The HR 130 offers the unique advantage of being transported with no need for disassembling. Its design allows it to keep its dimensions compact in spite of the outstanding working features for the class of the machine. According to the different works to perform, the HR 130 rig can be equipped, even in a second moment, with the necessary transformation kit. The high torque allows the drilling rig to carry out, in piling configuration, a max. diameter of 1.800 mm.

# HR 130



## WORKING CHARACTERISTICS

### Auger and buckets

Max. diameter	500/1.500 mm	19,69/59,06 in
	1.800* mm	70,87* in
Max. depth	30-40-48 m	98,4-131,2-157,44 ft

### Diaphragm walls

Max. dimension	600x2.500 mm	23,62x98,43 in
Max. depth	24 m	78,72 ft

### Continuous Flight Auger

Max. diameter	800 mm	31,50 in
Max. depth	14-19 m	45,92-62,33 ft

### Casing oscillator

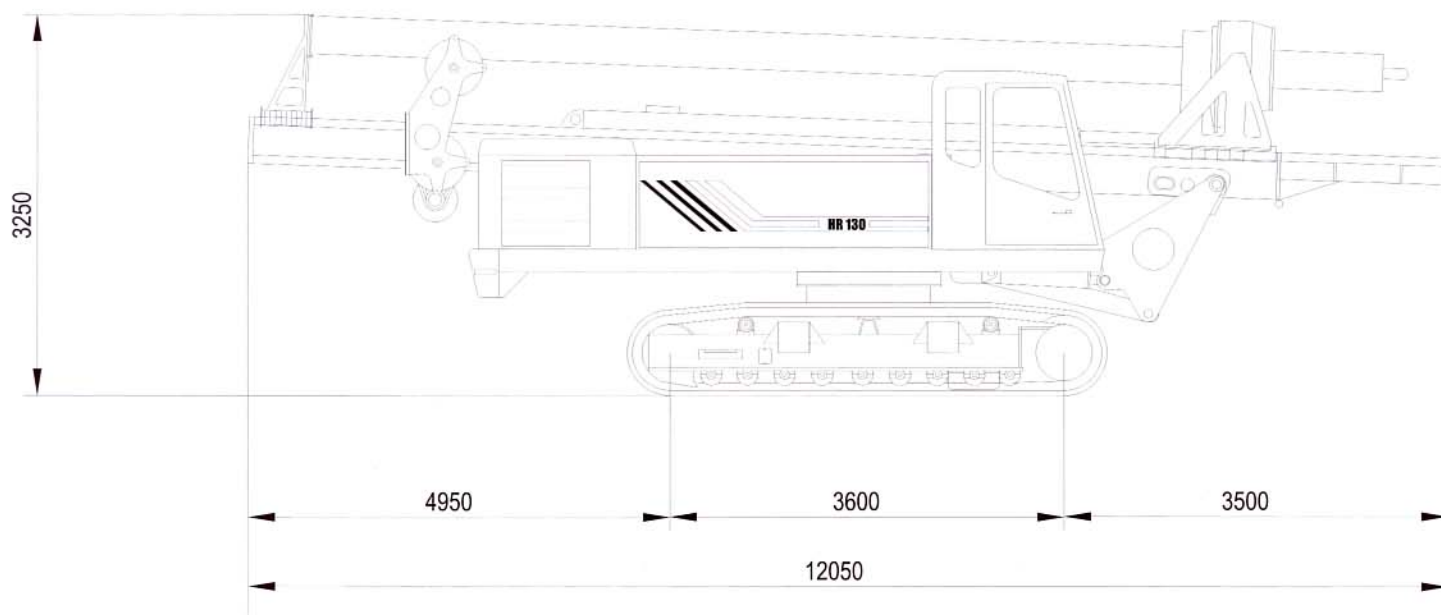
Diameters	600-1.300 mm	23,62-51,18 in
Max torque	162.000 daNm	1.193.940 lbsft
Extraction max. force	163.000 daNm	1.201.310 lbsft
Closing max. force	116.500 daNm	858.605 lbsft

Automatic oscillating device

Remote control

Hydraulic attachment (optional)

\*Without lower extension







Equipping the drilling rig with an interlocking kelly bar also allows to drill in rocky terrains.

The HR 130 has a Caterpillar or Deutz diesel engine, thus ensuring high performance and reliability; it is thoroughly soundproof and has been built according to the latest European safety standards.



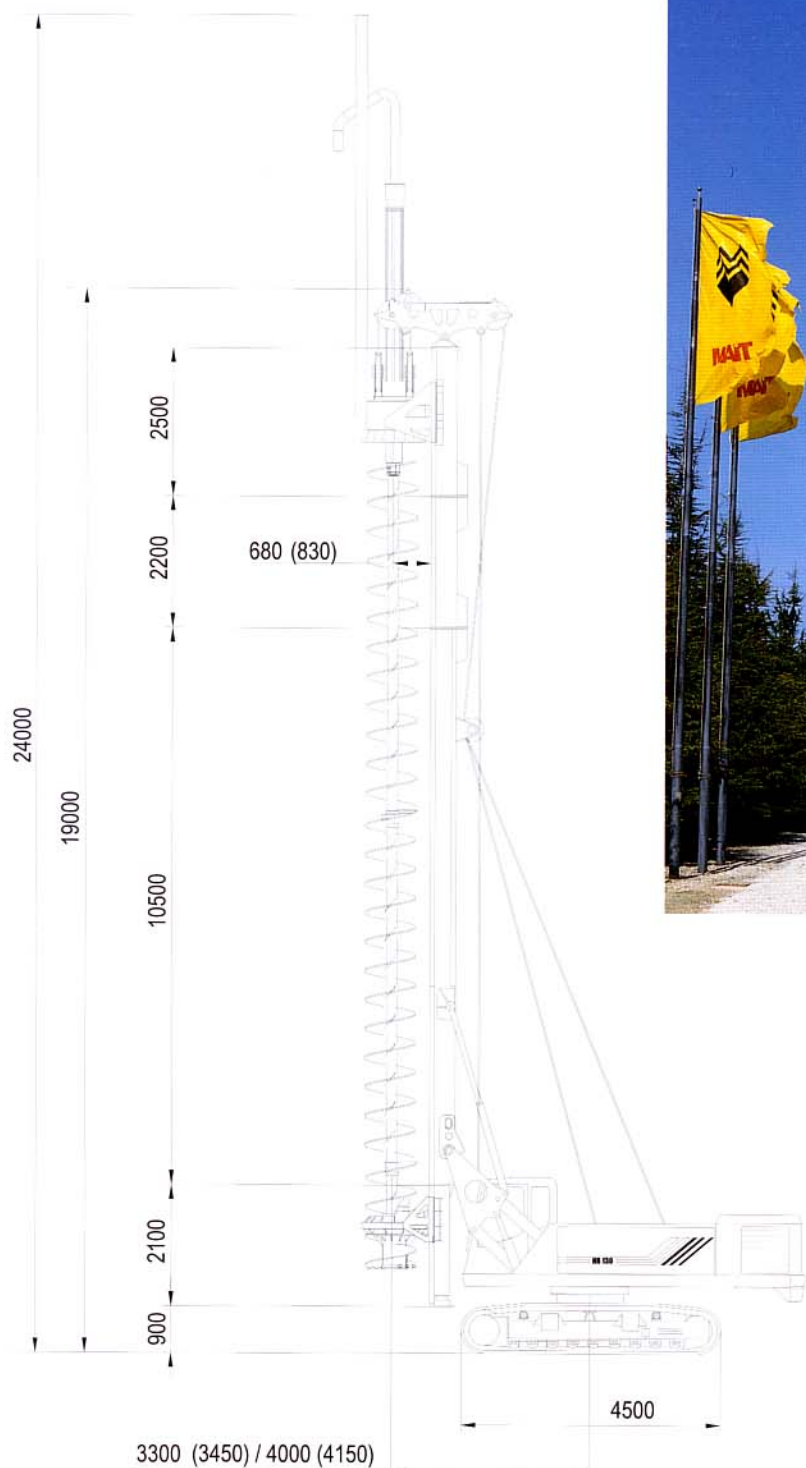
**MAIT**





# MAIT

## CFA Version

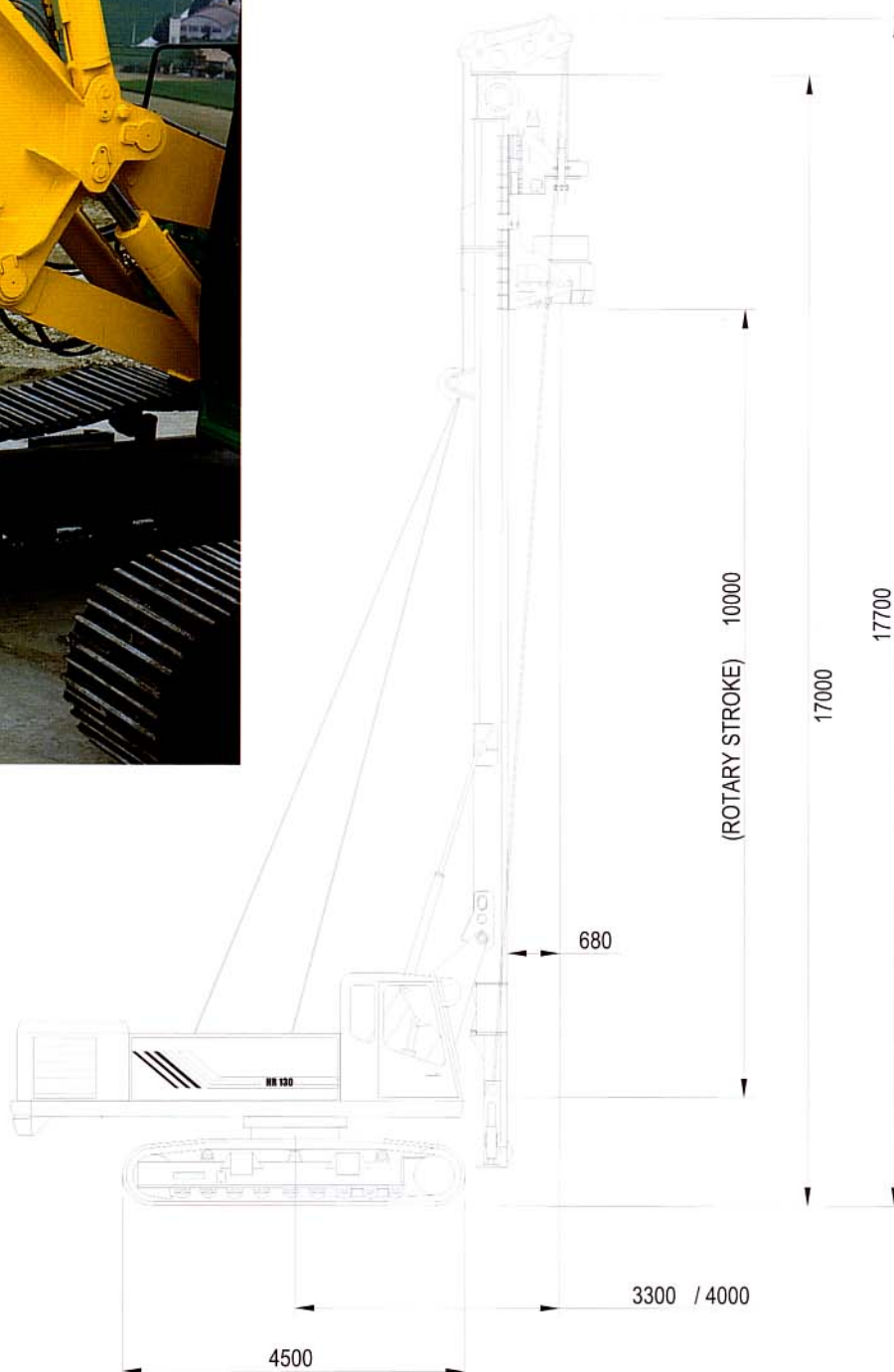


The drilling rig can be equipped with CFA kit (Continuous Flight Auger) up to a depth of 19 m with the use of an extension pole. The maximum diameter is 800 mm, and the total pullback is 48000 kgs. Upon request it can also be equipped with a hydraulic auger cleaner or a manual centralizer.



# MAIT

## DH Version



The HR 130 drilling rig can, upon request, be equipped with a DH kit (Double Head) which is particularly useful in drills in which it is necessary to drill and case simultaneously. The rotary stroke is 10m.





# HR 130

## Technical Data

### STANDARD Version

#### Rotary

Max torque	13.140 daNm	96.841 lbsft
No. 2 speeds	11-35 rpm	
Unloading speed	150 rpm	
Vertical stroke	4.300 mm	169,29 in
Pullback	16.400 daN	36.900 lbs
Pulldown	13.100 daN	29.475 lbs

#### 1<sup>st</sup> winch

Max. pullback (standard version)	14.000 daN	31.500 lbs
----------------------------------	------------	------------

#### 2<sup>nd</sup> winch

Max. pullback	8.000 daN	18.000 lbs
Freefall in the standard version		

#### Various

Diesel engine Caterpillar or Deutz	170 (230) - 156 (212) Kw (HP)	
Hydraulic oil tank	470 l	124,08 gal
Sound proof		
Automatic levelling		
Electronic depth counter		
Air conditioning and heating system		
No. of kelly bars elements	3/4/5	
Weight approx.	34.000 - 37.000 kg	74.936 - 81.548 lbs



The components are only top-quality, internationally known and easy to find everywhere in the world.

The operator's cab is provided with the FOPS system to guarantee maximum safety as well as an excellent comfort, and, in its standard version, is equipped with heating and air-conditioning.



## CFA Version

Same technical characteristics of the standard version with the exception of:

### 1<sup>st</sup> winch

Max. pullback	48.000 daN	108.000 lbs
---------------	------------	-------------

### 2<sup>nd</sup> winch

Max. pullback	8.000 daN	18.000 lbs
Freefall type		

### 3<sup>rd</sup> winch (optional)

Max. pullback	2.000 daN	4.500 lbs
---------------	-----------	-----------

### Various

Mast foot cylinder stroke	600 mm	23,62 in
Mast length (without extension)	11,4 m	37,39 ft
Lower extension	2,5 m	8,20 ft
Weight approx	35.000 kg	77.140 lbs

## DH Version

Same technical characteristics of the standard version with the exception of:

### 1<sup>st</sup> Rotary

Rotary stroke	8.000 - 10.000 mm	314,96 - 393,70 in
---------------	-------------------	--------------------

### 2<sup>nd</sup> Rotary

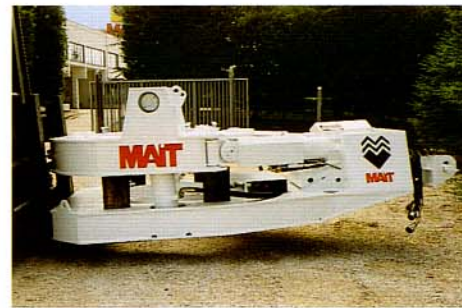
Max. torque	2.500 daNm	18.425 lbsft
Speed	20 rpm	
Pulldown	10.000 daN	22.500 lbs
Rotary stroke	8.000 + 600 mm	314,96 + 23,62 in





## *Remember that MAIT also manufactures*

- Hydraulic drilling rigs of every size:
  - for piling, diaphragm walls, continuous flight augers
  - for water wells
  - for soil investigation, consolidation, civil engineering
  - jet grouting
- Casing oscillator
- Power packs
- Casing tubes
- Augers and buckets
- Hydraulic grabs for diaphragm walls
- Continuous flight auger
- Tremie pipes
- Teeth and bits for drilling tools



## **MAIT S.p.A. DRILLING RIGS**

Via Flaminia Seconda, n°149/153 - 60027 Osimo (AN) ITALY

Ph.: ++39-71-7822186

Fax: ++39-71-780535

E-mail: [info@mit.it](mailto:info@mit.it)

Web: <http://www.mait.it>