



Mantovanibenne[®]

A T O O L F O R A L L R E A S O N S

PILE BREAKER

PB – Pile Breaker:

For construction requirements, pilings come out from the soil of one or two meters; it is therefore required the demolition of these projections to restart the construction of new buildings..

Mantovanibenne Pile breakers solves the problem crushing quickly and accurately foundation pile, the peculiarity of keeping intact the reinforcement rod, making much easier the reconstruction work.

With the use of this equipment is also ensured that the underlying structure of the pile remains unchanged.



Diameter pile of breaker (mm) ± 10 mm	(mm)	750 - 800	850	900
Excavator weight	(t)	20-25		
Number of elements	-----	8	8	8
Type of tips	-----	Long	Medium	Short
Tool weight	(kg)	2000		
Force	(t)	496		
Hydraulic working pressure	(bar)	320-350		
Oil flow	(l/min)	200		
Time of closing at max oil flow	(s)	7,4		
Time of opening at max oil flow	(s)	4,1		
N° of cycles for minute at max oil flow	(c./min)	5,2		
Overall dimensions	(mm)	2185		

Characteristics:

Silent Equipment (no vibration and sound)



Protected Hydraulic system



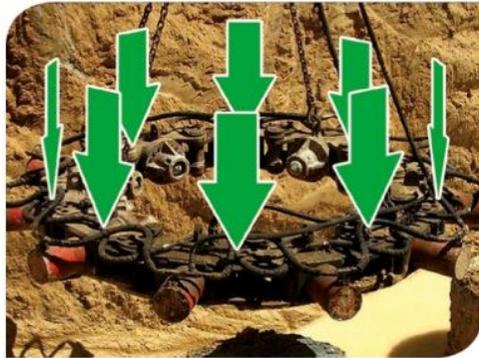
Tips kit



Lifting kit



Steps of work:



1st Step

The particular structure allows the Pile Breaker to be positioned over the pile to be demolished.



2nd Step

The release of the chisels allows the pile to be uniformly cropped.



3rd Step

Once the pile has been demolished by lifting the Pile Breaker it keeps hold of the material freeing it from the reinforced structure.



4th Step

The final result is the perfect cleaning of the reinforced structure while the structure of the pile remains unchanged without creating cracks on the lower part which is still below ground.

Warnings:

The poles must be demolished from the top going towards the base. In order to obtain an optimal performance the piles should be demolished little at a time, operating on going down sections of 20-30 cm for each break. The Pile Breaker must be raised from the pole only after a complete structural collapse of it, in order to release the iron rods free contained in it and therefore deposit the demolished part for the collection.

N.B. : If the pole has difficulties to break you must absolutely not force the breaking by raising the Pile Breaker and exercising strength on the excavators arm. This operation could cause the breaking of the chains that sustain the equipment, causing serious damage to the structure or to the components of the Pile Breaker and putting in danger the nearby operators.

It is strictly recommended not to use tips of different length on the Pile Breaker modules. The tips mounted on the modules must have always the same length. Using different length tips could cause difficulties to the correct breaking of the piles and cause damage to certain components of the equipment. In case of special needs contact the Technical Department of Mantovanibenne.

