

SPT HAMMERING SYSTEM AND EQUIPMENT

FRENCH MANUFACTURING

MARK

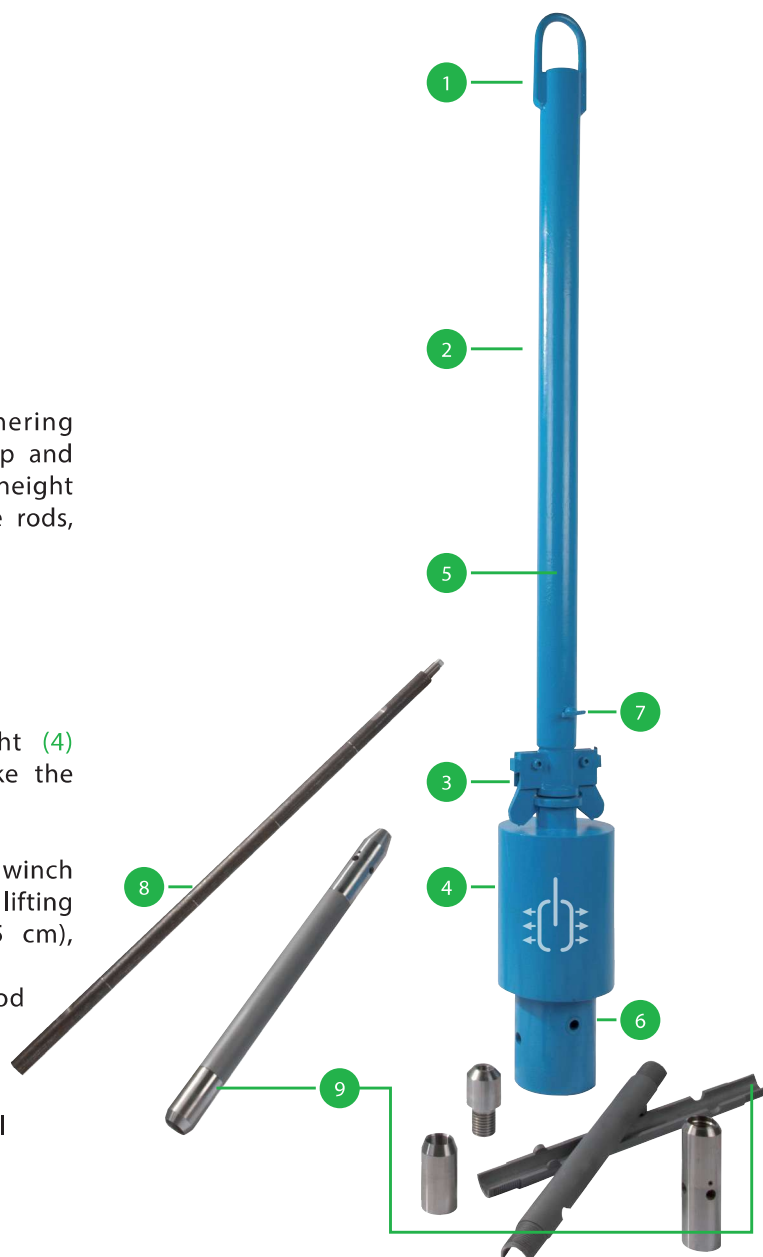
- 1 Lifting hook
- 2 Outer tube
- 3 Lifting pawls with springs
- 4 Drive weight
- 5 Inner guide rod
- 6 Anvil
- 7 Safety bolt
- 8 PDB rod
- 9 SPT hammering system and accessories

PRINCIPLE

The SPT (Standard Penetration Test) hammering system consists of a weight of 64kg and a pick up and self tripping mechanism that ensure a falling height of 75 cm. The energy is given by the anvil to the rods, and then to the SPT core barrel.

IMPLEMENTATION

- The inner guide rod (5) enables the weight (4) to drop with minimal resistance and to strike the anvil (6) squarely. It is fixed to the anvil.
- The outer tube (2) is left by the wire of a winch or capstan thanks to the hook (1), until the lifting pawls (3) are opened (at the height of 75 cm), thus releasing the weight.
- The weight can be fixed to the guide rod thanks to the safety bolt (7), especially during transportation or while not testing.
- The total length of the system is 1.6 m unextended and 2.35 m extended. The total weight of the complete system is 105kg.



SPECIAL RODS AND CONNECTION THREADS

Description	Reference
Hammering system	A9 09000028
SPT Core barrel EN ISO – Ball head – Split tube	A9 0100014
SPT Core barrel ball head - Right thread	A9 0200017
SPT Split tube - Right thread	A9 0300020
SPT Shoe	A9 0900018
SPT Cone on rod or core barrel	A9 0900022
SPT Basket core lifter	A9 0900020
SPT Core barrel ø600mm (old english standard)	A9 09000029