



MEGA Pole

Forepoling / Canopy Tubes / Tube Umbrella Systems



Description



For advanced geotechnical drilling, MEGAPole's case advancing systems offer solutions for a variety of construction techniques, including forepoling, well drilling, and anchoring. MEGAPole's drilling system consists of casing tubes which are drilled through the overburden as an umbrella and filled with grouting. The casing system allows easy driving of the casing tubes into the ground with low torque demand.

Argentium offers a wide range of solutions that are designed to perform in weak ground conditions using either top-hammer jumbos or DTH drill rigs. MEGAPole delivers full package of forepoling tools for drilling: pilots, ring bits, tubes, starter casings, drill rods, grouting plugs & shanks. Our systems are applicable for both permanent and temporary casing.

Applications

MEGAPole Casing Systems can be used in all major ground drilling applications including:

- ❖ Forepoling
- ❖ Anchoring
- ❖ Piling and Underpinning
- ❖ Water and thermal well drilling
- ❖ Site investigation
- ❖ Horizontal Drilling

Unique Features

Operational Benefits

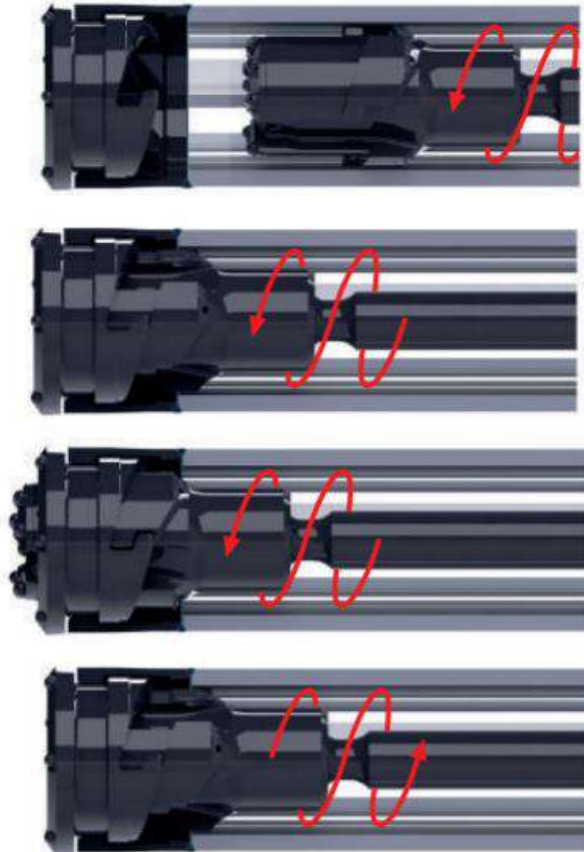
- ❖ Fast drilling and easy handling
- ❖ Carefree drilling
- ❖ Straight holes
- ❖ No unnecessary flushing to soil

Economic Benefits

- ❖ Low investment and running cost
- ❖ More holes in time unit
- ❖ Low set-up times
- ❖ Long pilot bit lifetime

Technological Features

MEGA Pole casing systems uses locking system to avoid damage or disruption in complex ground conditions or existing foundations, thus leading to safer drilling. Our systems operate by:








1. A pilot bit is driven through the casing tube.

2. The tube is then rotated to locked position with the ring bit.

3. The casing system is ready to drill.

4. To finish drilling the pilot bit is rotated in the opposite direction and pulled out.

Technical Specification

Specification						Pilot bit thread type
	Outer Diameter	Casing max wall	Ring bit ID	Ring bit OD	Pilot bit OD	
	mm	mm	mm	mm	mm	
M76	76.1	8	40	82	58	R32
M89	88.9	8	52	94.5	70.9	T38
M114	114.3	10	70	120	92	T38
M140	139.7	10	94	148	116.7	T45



MEGAPole SYSTEM (114 as illustration)

- ① **M114 pilot bit C38**
- ② **M114 ring bit assembly & starter casing**
 - Steel casing 114 including M114 ring bit assembly
 - 1 side male threaded, L=3000mm with grouting holes + valves
- ③ **Extension Casing**
 - Steel casing
 - 2 side male-female threaded, L = 3000mm
- ④ **Extension M/F Rod C38 – round 39 C38, L=3050mm or 3660 mm**

Optional,

- ⑤ **Grouting Plug (end cap)**
- ⑥ **Shank adapter for needed rig/drift**