



drilling & geotechnical

MINI BORE PILE

Benefits

- **High Support Capacity:** Capable of withstanding enormous loads, suitable for large buildings and structures.
- **Stability:** Provides high stability in a variety of soil conditions, including soft and watery soils.
- **Adaptability:** Can be adapted to various types of projects and soil conditions.



What is Mini Bore Pile?

A mini bore pile is a type of deep foundation system used in construction to transfer structural loads to deeper, more stable soil or rock layers beneath the ground surface. Our installation capabilities range from 350 mm to 600 mm in diameter. This work can be performed using portable machinery, making it ideal for confined spaces or projects with restricted access.

Our specialised mini bore pile uses the wash boring method by utilising water pressure to break up soil and flush it out of the borehole. The pile is reinforced by using deformed steel rebars and is filled by concrete using a tremie pipe.

Applications

- **High-rise Buildings:** Provides strong foundation support for high-rise buildings.
- **Bridges:** Used as foundations for bridges and other large structures.
- **Heavy Infrastructure:** Suitable for projects that require very strong and stable foundations, such as power plants, towers, and dams.

Equipment Highlight

We use compact hydraulic drilling machines designed for low-clearance workspaces, allowing pile installation with high precision even in challenging environments

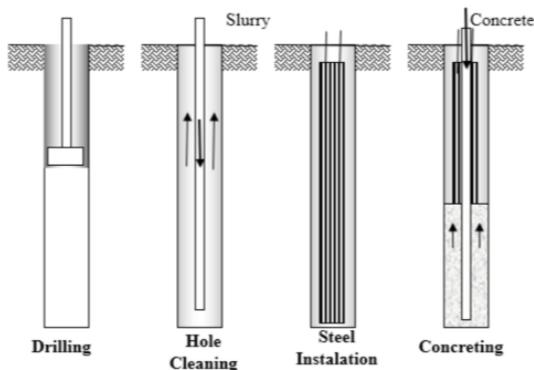


Technical Specification

- Diameter range 350 mm - 600 mm
- Depth: up to 40 meters (soil dependent)
- Drilling method: Rotary or auger
- Reinforcement: Steel rebar cages
- Grouting: Tremie pipe method

Execution Process

1. Site preparation and rig mobilisation
2. Drilling to required depth
3. Placement of reinforcement
4. Concreting using tremie method
5. Quality assurance and cleanup



Why Choose Geonusa Utama?

- 15+ years of experience in geotechnical solutions
- Proven track record in infrastructure and private sector
- Committed to safety and quality
- Experienced team and in-house equipment

Our Projects



Bore Pile Installation at RDMP Balikpapan Refinery (2022-2023)



Bore Pile Installation at PLTU Lontar, Tangerang (2021)

Contact Us:

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