

Multifunctional Soil Reinforcement Drilling Machine

The HDG series multi-function drilling machine is designed for soft soil reinforcement using the SMW method. It features a robust frame and is mounted on a tracked chassis for mobility across various terrains.



Overview

Versatile Soil Reinforcement Solution

The HDG series multi-function drilling machine is an advanced equipment solution designed for soft soil reinforcement using the SMW method. Ideal for large-scale construction engineering, it supports soil-retaining, anti-seepage, and diaphragm wall construction for high-rise buildings, subway stations, and basements. Its robust design also makes it highly effective for consolidated subsoil work in riverbank and water conservancy projects.

Technical Specifications

Model Configuration Comparison

Feature	HDG80-650	HDG100-850	HDG150-1050
Leader Column Length	29m	39m	59m
Leader Column Diameter	630mm	920mm	1220mm
Traveling Motion	Foot-step/Crawler	Foot-step/Crawler	Foot-step/Crawler

Drilling Capabilities

Long Spiral Drilling Specs

25 m Max Depth (HDG80)	35 m Max Depth (HDG100)	55 m Max Depth (HDG150)
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SMW Method Power

45 kW Main Power (HDG80)	75 kW Main Power (HDG100)	90 kW Main Power (HDG150)
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Drilling Pipe Connection

Hexagonal

Construction Applications

Primary Applications

Soil-retaining, Anti-seepage, Diaphragm wall construction, Subway station construction, Consolidated subsoil, Riverbank projects