

Robit® DTH NOVA for demanding water and geothermal well drilling projects

Robit has versatile casing system solutions, which are centered around well drilling but offer excellent choices for also other operations. Robit® DTH Nova – integrated ring bit system is designed for challenging conditions. Well drilling systems are optimized for thin wall casing offering maximal drill-through diameter.

Suitable applications:

- Water well drilling
- Geothermal well drilling
- Micropiling
- Dam and port projects



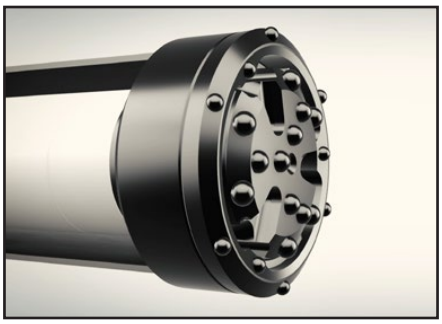
Robit offers also wide range of other casing system products, DTH hammers (conventional & tubeless) & bits, drill pipes, shock absorbers and accessories; subs, check valves, adapters, hammer sleeves, air hoses & chain keys and hammer oil.

System set-up and drilling method

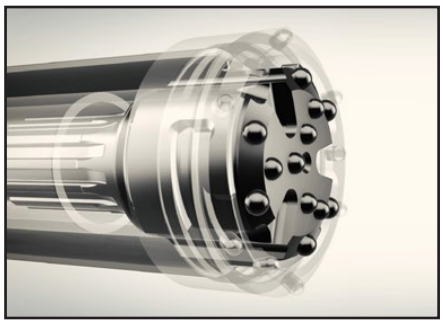
System set-up



1. Weld the ring bit assembly to the casing.



2. Drive the pilot bit with the hammer into the ring bit assembly.



3. Lock the pilot bit with unique spiral locking system to the ring bit assembly.

Drilling process



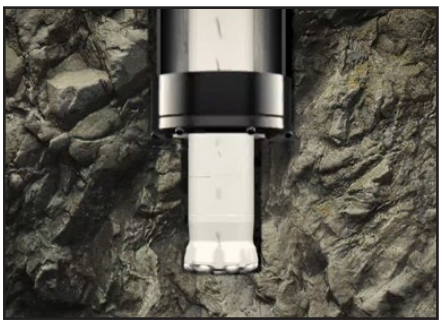
1. Drill the casing through the overburden soil.



2. Continue drilling the casing until the bedrock and some feets in it.



3. Unlock the pilot bit from the ring bit assembly and lift the drill string up.



4. Continue drilling with the DTH bit through the ring bit assembly to the needed depth.



Robit® DTH Nova innovative features:

- **Controlled flushing properties**
  - – Robit® Flow Control* – No unwanted flushing into the surrounding soil
  - – Robit® Direct Flush – Keeps impact area clean to avoid wear
  - – Operates in all ground conditions
- **Optimized face design**
  - – Faster penetration rate
- **Robust structure**
  - – Durable, heavy-duty design guarantees longevity

Watch the drilling video:

*Robit® Flow Control

