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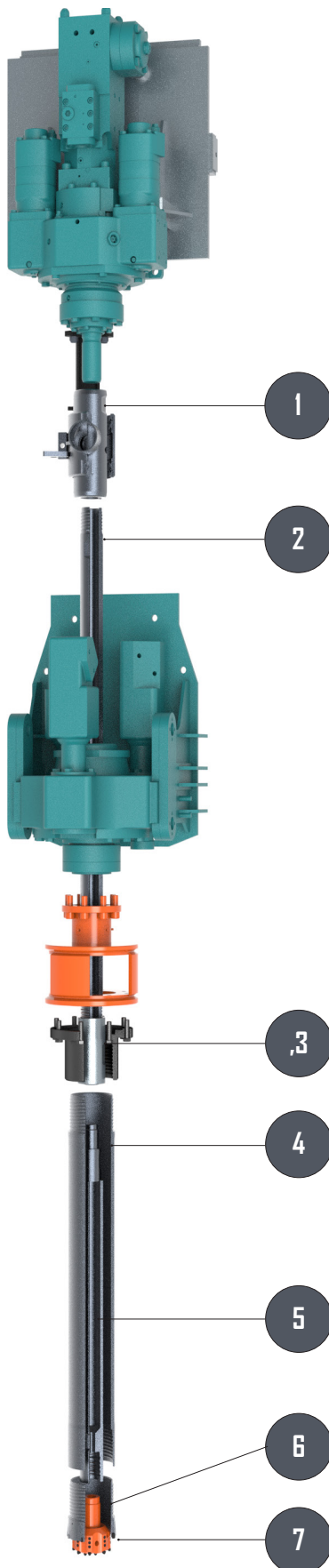
OVERBURDEN TOOLING

DOUBLE HEAD DRILLING- ROTARY/PERCUSSIVE

03/2026



DHD- DRILLING SYSTEM



Drill head:	Rotary head (casing) and hydraulic drifter (inner string)
Flushing:	Air, water, mud within casing
Casing:	Rotary, friction welded
Inner drill rod:	Friction welded rod or percussive drill steel
Casing crown:	Tungsten carbide ring bit
Inner bit:	Full face percussive or cross blades
Typical thread direction:	Right (casing), left (inner rod)
Diameter offering:	114.3 mm to 177.8 mm (casing diameter)

GROUND CONDITIONS

All ground conditions

SYSTEM FEATURES

- Dual string drilling system with internal flushing
- Independent control of casing and inner string
- Control of inner bit relative to casing crown
- Low hole deviation compared to other drilling methods
- Highly flexible drilling system for varied ground conditions
- Can be sealed against pressurized water
- Faster than rotary/rotary drilling

FLUSHING HEAD (1)

The flushing head in rotary percussive systems is mounted below the hydraulic drifter.

BALANCE ROD (2)

The balance rod provides the link between the drifter with flushing head and the inner drill string.

CASING FLANGE AND EJECTION BELL (3)

The casing flange connects the casing to the lower rotary head and provides an exit point for the flushing medium through the ejection bell.

CASING (4)

Male/female friction welded double-start rotary percussive casing. Rotary percussive single and triple-start casing can also be used.

INNER DRILL ROD (5)

Friction welded rotary percussive rods or Twin Drive™ inner drill rods.

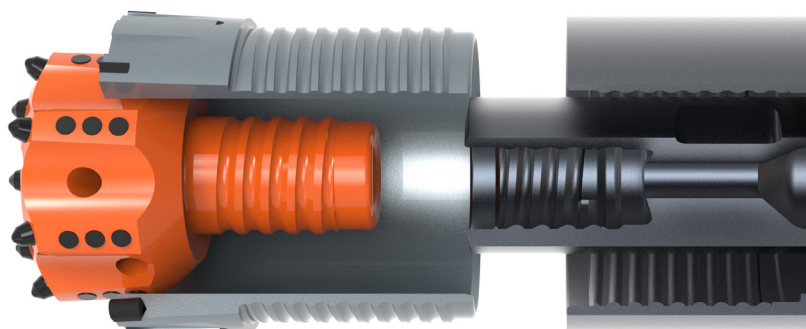
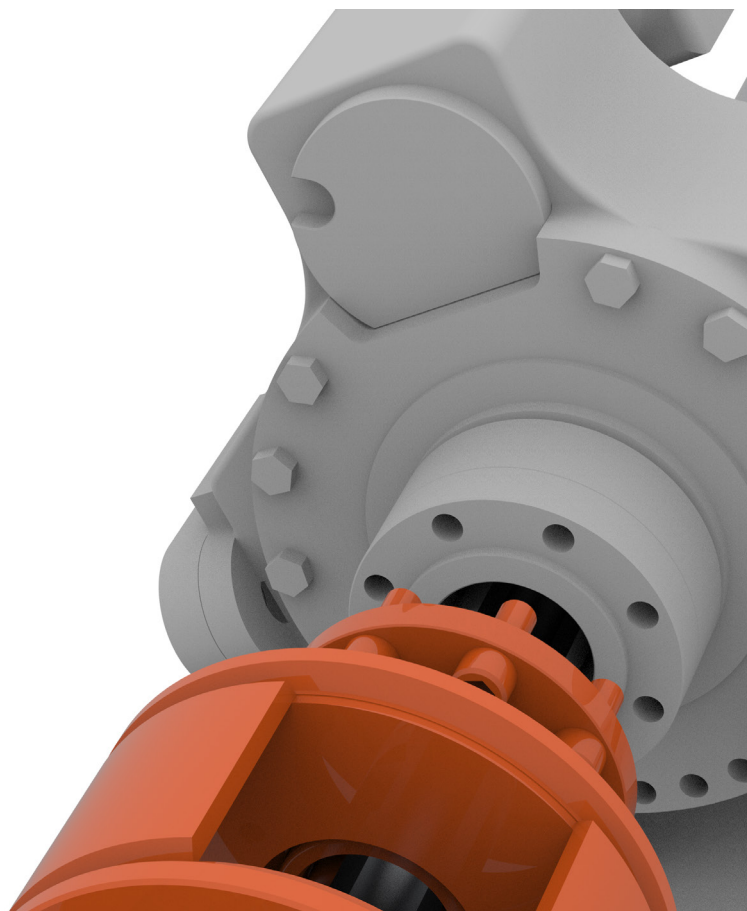
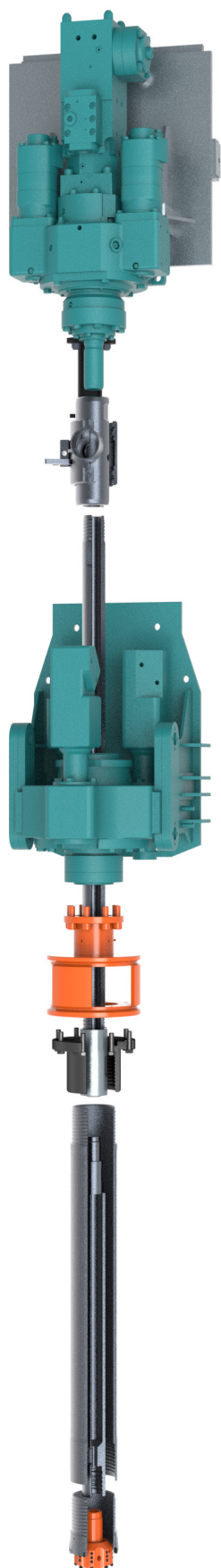
CASING BIT (6)

Ring bits with tungsten carbide inserts.

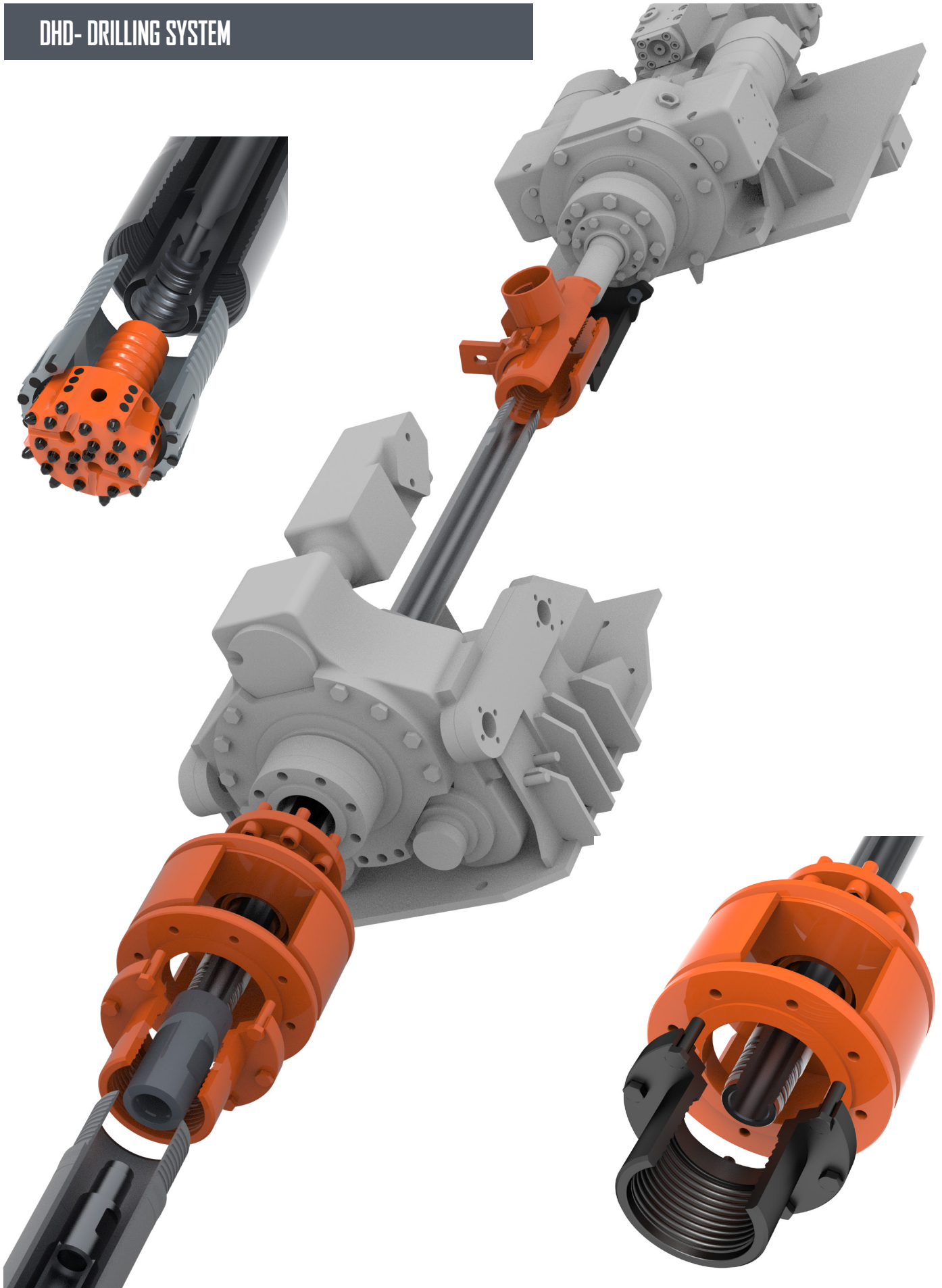
INNER STRING BIT (7)

Typically utilizes a full face percussive bit with tungsten carbide inserts.

DHD- DRILLING SYSTEM



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