



MH-3R REPLACEABLE HDD ROLLER BIT

PREMIUM FEATURE

•IMPROVED INTEGRAL HOLDER

To increase the bits drilling stability and times of replacing, holder is designed in integral one part, and doubled bottom thickness to support the bits.

Making the bits truly replaceable.

•FLAT THICK LEG BODY:

- 1.Easy & Quick for welding.
- 2.Extra thick leg body can bear more than 6.5 ton drilling weight for one single bit.
- 3.High torque and drilling weight capability ensure the maxium drilling penetration rate

•FULL CLOTHED INSERT CUTTING STRUCTURE:

More than 2.3kg tungsten inserts in one cutter, more abrasive & impact resistance ensure longer working hours.

•IMPROVED GREASE SYSTEM:

Vacuum 0.6MPA constant grease compensation pressure solve the low pressure working situation on piling and HDD. Bearing last more than 30% longer.

DESIGN PATENTED



SPECIFICATION

- SIZE: 8-1/2"
- INSERT: Ballistic
- BEARING: Journal bearing
- SEALING: O ring rubber sealing
- GREASE: 0.6MPA consistant oil pressure
- IADC CODE: 517 to 717
- INSERT SHAPE: Chisel, Conical, Ballistic, Spherical
- FORMATION: Medium hard formation, upto 100-250MPA.



INSERTS LAYOUT & DRAWING

INSERTS LAYOUT

Chisel



SOFT

100-120 Mpa

Conical



MEDIUM

120-140 Mpa

Ballistic



HARD

130-180 Mpa

Spherical



ULTRA-HARD

150-250 Mpa

DRAWING

