

# PENOTRATOR™

## Reamer Shoe



### Product

The PENOTRATOR reamer shoe has been specifically designed to aid with the installation of any casing, liner or screen application where the operator has concerns over potential difficult wellbore conditions such as swelling shales, ledges and washed out areas within the wellbore.

### Features

- Casing friendly tungsten carbide cutting structure
- Anti-aggressive left-hand blades minimize torque
- 360° cutting structure facilitates reaming past obstructions with or without rotation
- Wellbore seeking eccentric guide nose negotiates troublesome formations
- EZI-Drill® aluminum guide nose to aid drill-out without compromising nose strength
- Flow ports offering 360° flow area
- Slick body design helps reduce ECD
- One-piece milled steel body

### Options

- Ball deflector / ball catcher options available
- All API and premium connections available
- All material casing grades available