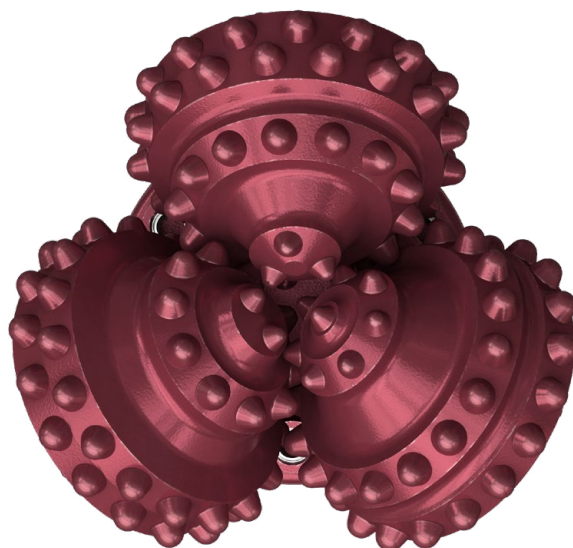


Roller cone bit

9 7/8" 250,8.622



Application.

The bit is designed for drilling of medium-hard abrasive rock formations, e.g. hard limestone and shale, dolomite, magnesite, ferrous quartzite, diorite, quartzeous porphyry, solicated shale, fine-grained skarn, weak pegmatite, martite ore and metamorphic granite rocks, most frequently found in gold, granite and copper mines.

Recommended drilling parameters for maximum efficiency of the bit: low and medium rotation speed (60-115 RPM) and axial load from 100 to 210 kN.

Rock strength range - 24 000-44 000 PSI.



Specification

| | |
|-----------------------------|---|
| Bearing support type | Open rolling bearing support with air blow-through |
| Bearing/cooling type | Roller - Ball - Roller / Air cooling |
| Shirrtail protection | 2/3 Shirrtail protection with TCIs and wear-resistant hardmetal surfacing |
| Blow-through type | Side (center) air blow-through |
| IADC code | 622Y |
| Connection thread | 4 1/2 FH |
| Nozzle diameter, mm | 16(installed)+ spare nozzles 14,18 |
| Bit weight, kg | Net - 45,3 / Gross - 49,0 kg |
| Cutting structure | Tungsten carbide inserts |
| Inner and nose TCIs | Conical (86 TCIs) |
| Gauge row TCIs | Conical (52 TCIs) |
| Gauge bevel TCIs | Spherical (52 TCIs) |