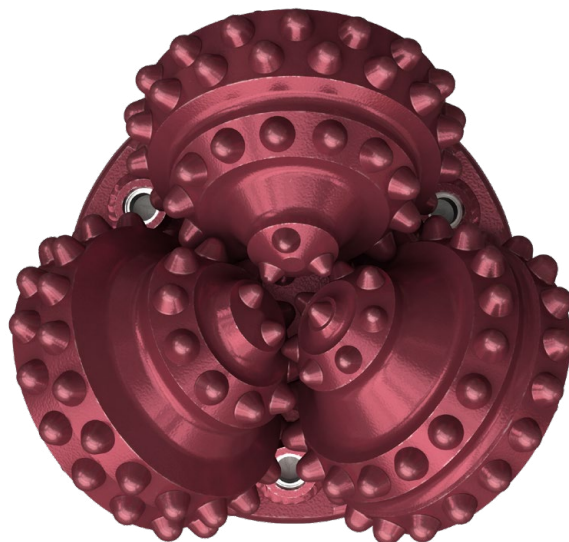
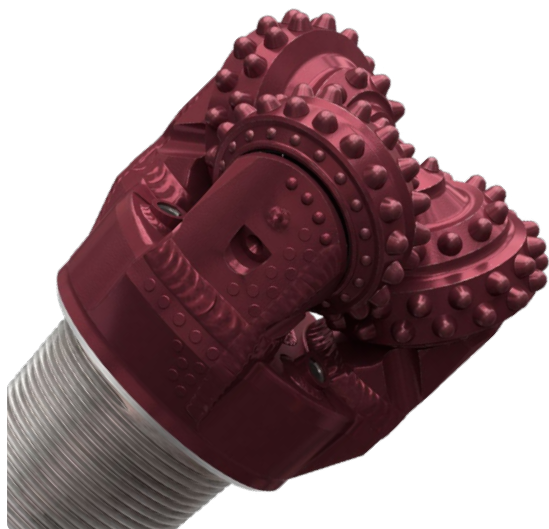


# Roller cone bit

## 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, solicted 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	6 7/8 REG
Nozzle diameter, mm	16(installed)+ spare nozzles 14,18
Bit weight, kg	Net - 57,7 / Gross - 61,4 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)