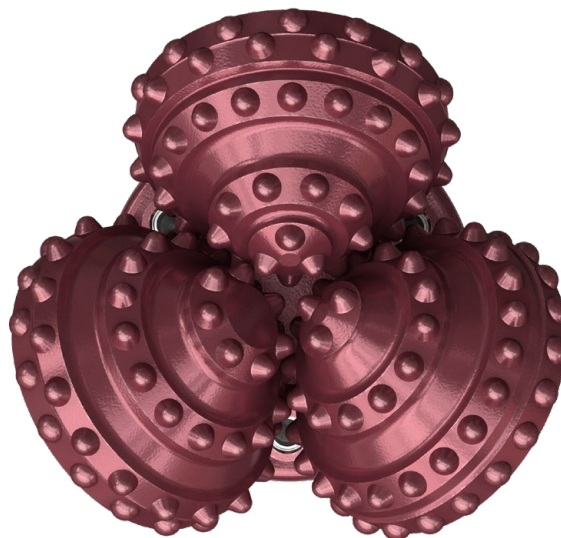
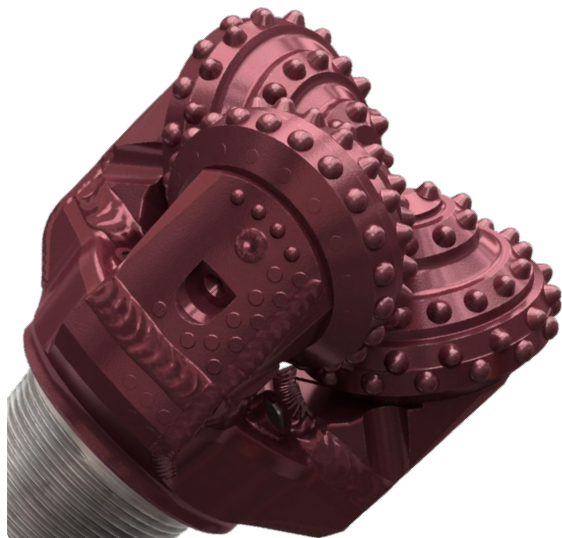


# Roller cone bit

## 9 5/8" 244,5.712



### Application.

The bit is designed for drilling of hard abrasive rock formations, e.g. granite-porphry, silicized limestone, magnetite and hematite-magnetite hard ore, ferrous, monolithic and thick quartzite, medium-grained diorite, thick garnet skarn, quartzeous gneiss, diabase and basalt, emery chlorite ore, weak pegmatite and quartzeous magnesite, most frequently found in gold, iron and granite mines.

Recommended drilling parameters for maximum efficiency of the bit: low and medium rotation speed (60-115 RPM) and axial load from 110 to 220 kN.

Rock strength range - from 38 000 to 60 000 PSI.



### Specification

Bearing support type	Open rolling bearing support with air blow-through
Bearing/cooling type	Roller - Ball - Roller / Air cooling
Shirttail protection	2/3 Shirttail protection with TCIs and wear-resistant hardmetal surfacing
Blow-through type	Side (center) air blow-through
IADC code	712Y
Connection thread	4 1/2 FH
Nozzle diameter, mm	16(installed)+ spare nozzles 18
Bit weight, kg	Net - 43,0 / Gross - 46,5 kg
Cutting structure	Tungsten carbide inserts
Inner and nose TCIs	Conical (120 TCIs)
Gauge row TCIs	Spherical (53 TCIs)
Gauge bevel TCIs	Flat (51 TCIs)