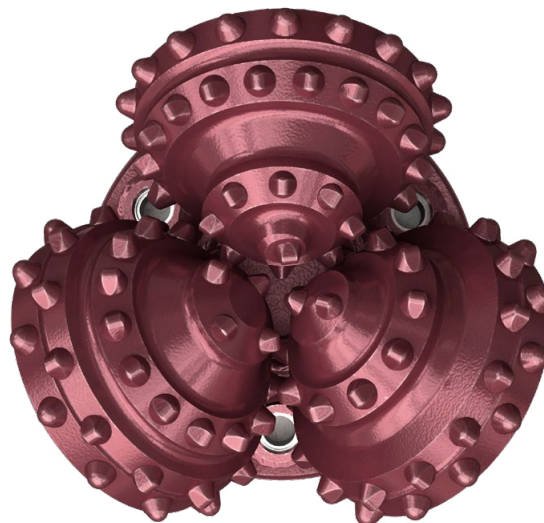


Roller cone bit

8 ½" 215,9.612



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 60 to 170 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	612X
Connection thread	4 ½ REG
Nozzle diameter, mm	16 (installed) + spare nozzles 14, 18
Bit weight, kg	Net - 33,9 / Gross - 36,9 kg
Cutting structure	Tungsten carbide inserts
Inner and nose TCIs	Chisel (82 TCIs)
Gauge row TCIs	Conical (43 TCIs)
Gauge bevel TCIs	Flat (57 TCIs)