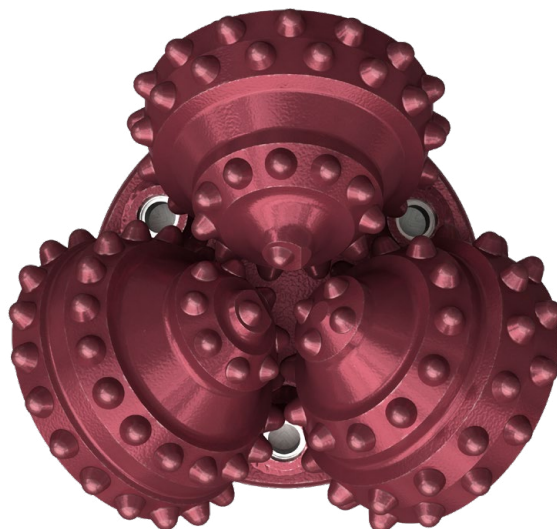
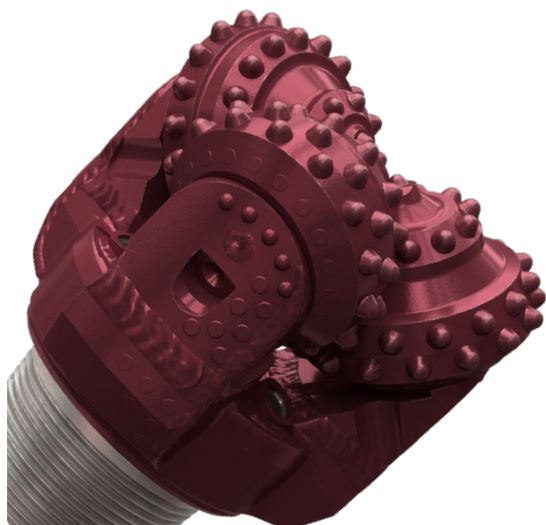


Roller cone bit

8 ½" 215,9.632



Application.

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

Recommended drilling parameters for maximum efficiency of the bit: low and medium rotation speed (60-115 RPM) and axial load from 70 to 180 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	632Y
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	Conical (83 TCIs)
Gauge row TCIs	Conical (48 TCIs)
Gauge bevel TCIs	Flat (57 TCIs)