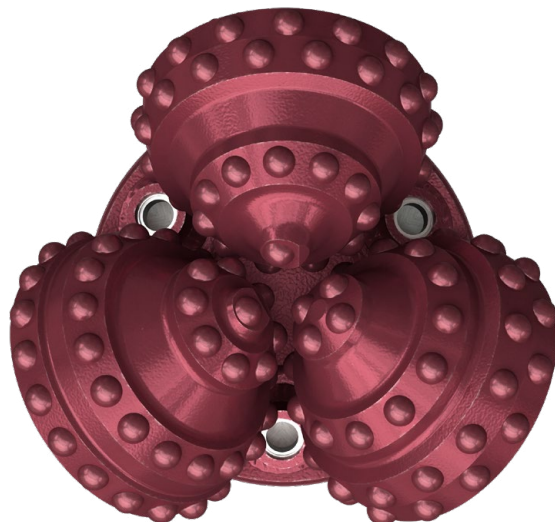
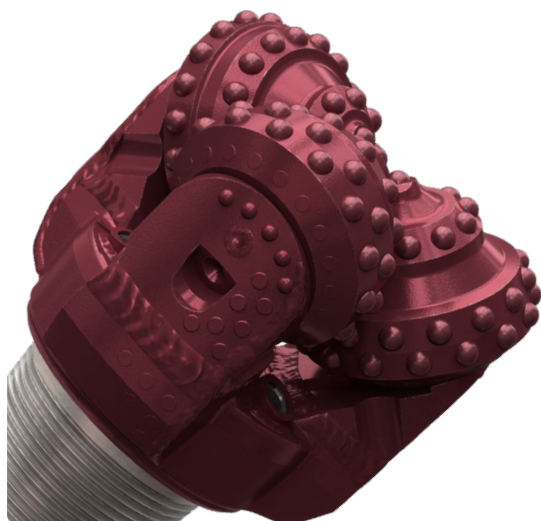


Roller cone bit

8 ½" 215,9.832



Application.

The bit is designed for drilling of extra hard abrasive rock formations, e.g. thick quartzite, extra hard siliceous shale, metabasalt of basalt group, granite-porphry, massive porphyrite, corundum ore, nephrite and titanium-magnetite coherent rocks, and also pyriteous massive hornfels, 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 90 to 200 kN.

Rock strength range - from 55 000 to 66 000 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	832Z
Connection thread	4 ½ REG
Nozzle diameter, mm	16(installed)+ spare nozzles 14,18
Bit weight, kg	Net - 33,8 / Gross - 36,8 kg
Cutting structure	Tungsten carbide inserts
Inner and nose TCIs	Spherical (83 TCIs)
Gauge row TCIs	Spherical (48 TCIs)
Gauge bevel TCIs	Flat (57 TCIs)

