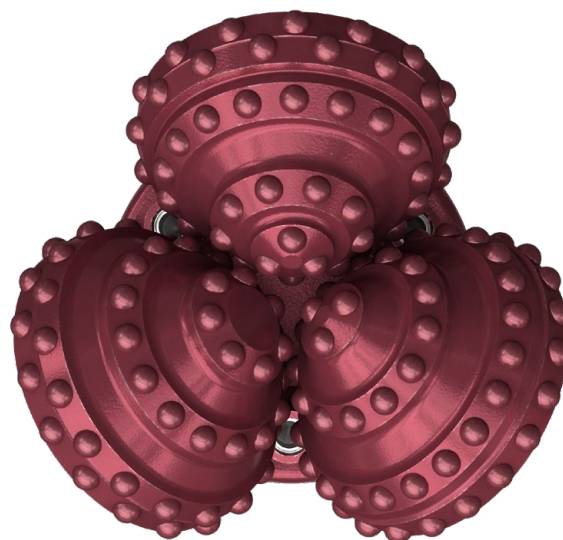
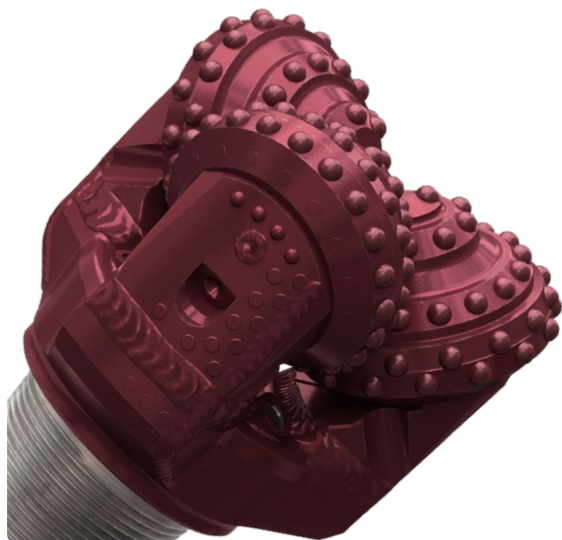


Roller cone bit

9 5/8" 244,5.822



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 120 to 230 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
Shirrtail protection	2/3 Shirrtail protection with TCIs and wear-resistant hardmetal surfacing
Blow-through type	Side (center) air blow-through
IADC code	822Z
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	Spherical (120 TCIs)
Gauge row TCIs	Spherical (53 TCIs)
Gauge bevel TCIs	Flat (51 TCIs)