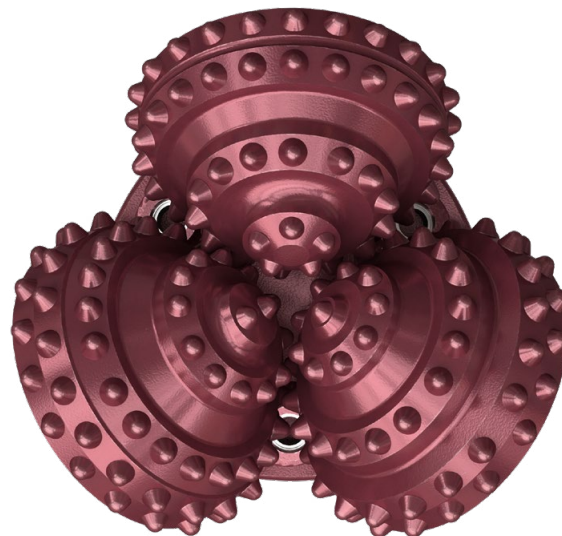
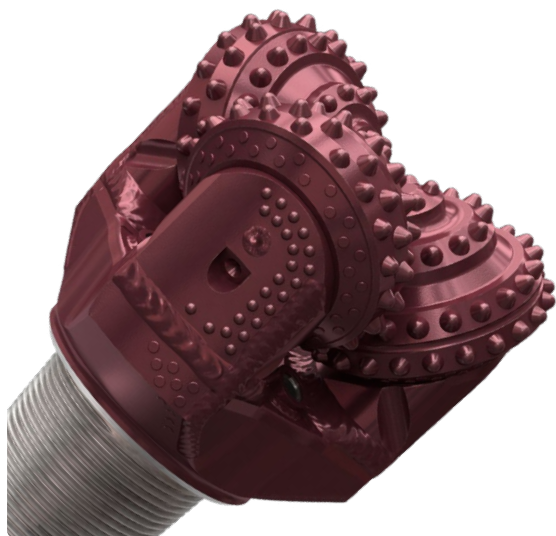


Roller cone bit

12 ¼" 311,1.632



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 140 to 250 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
Shirttail protection	2/3 Shirttail protection with TCIs and wear-resistant hardmetal surfacing
Blow-through type	Side (center) air blow-through
IADC code	632Y
Connection thread	6 ⅝ REG
Nozzle diameter, mm	22 (installed)+ spare nozzles 20,25
Bit weight, kg	Net - 89,7 / Gross - 94,2 kg
Cutting structure	Tungsten carbide inserts
Inner and nose TCIs	Conical (140 TCIs)
Gauge row TCIs	Conical (61 TCIs)
Gauge bevel TCIs	Flat (122 TCIs)