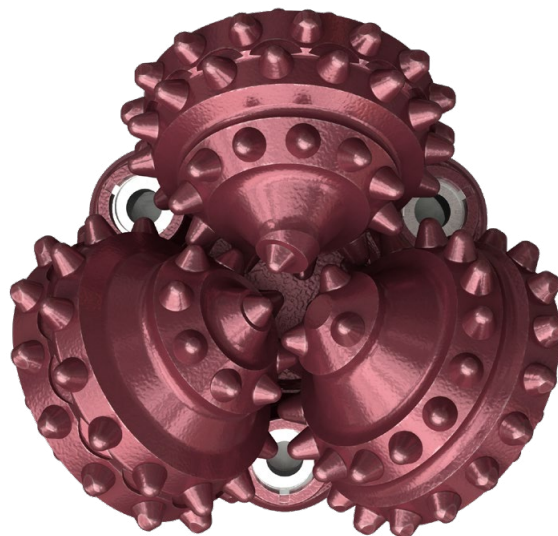
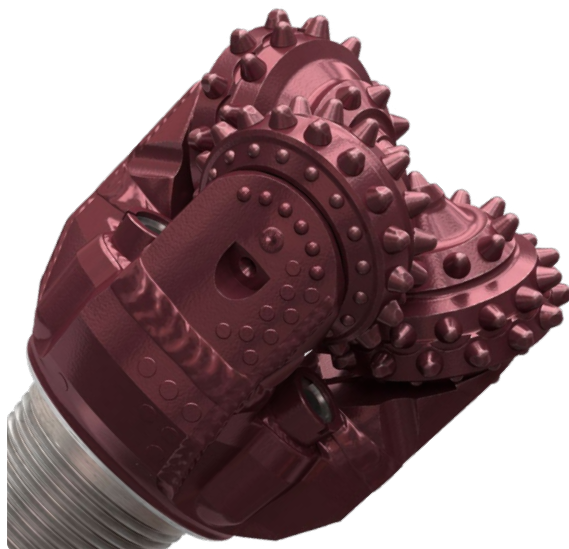


Roller cone bit

6 ¾" 171,4.522



Application.

The bit is designed for drilling of soft and medium-soft abrasive rock formations, e.g. coarse grained mineralized marble, sandstone with clay-sericitic porous carbonate cement, quartzeous, micaceous and hard carbonaceous shale, phosphorite with phosphate cement, siderite and serpentinite, most frequently found in coal and shale mines.

Recommended drilling parameters for maximum efficiency of the bit: low and medium rotation speed (60-115 RPM) and axial load from 30 to 120 kN.

Rock strength range - from 6 000 to 24 000 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	522X
Connection thread	3 ½ REG
Nozzle diameter, mm	12 (installed) + spare nozzles 14
Bit weight, kg	Net - 18,5 / Gross - 20,0 kg
Cutting structure	Tungsten carbide inserts
Inner and nose TCIs	Conical (67 TCIs)
Gauge row TCIs	Chisel (45 TCIs)
Gauge bevel TCIs	Flat (45 TCIs)