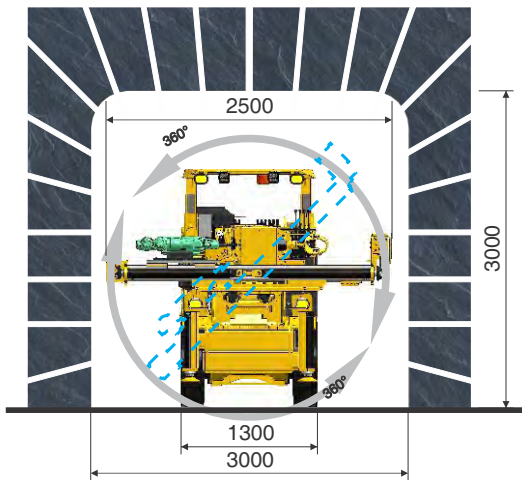


RAPTOR 44

Production Long Hole rigs



CARRIER

- 4WD Heavy duty carrier, articulated, rear Axle oscillating 12°
- FOPS / ROPS Canopy certified
- Deutz engine BF4L914, 73 kW, air cooled
- Exhaust gas Catalytic Neutralizer
- POCLAIN Hydrostatic Transmission, 4 wheel motors and 1 Pump
- Service brakethrough same hydrostatic system
- Parking brake SAHR
- Electric box Ip64, 575/440/380 volts, 60/50 Hz, Allen Bradley components
- Star Delta Slow for main electric motor
- Battery Charger
- Manual fill pump for oil tank
- Four (4) tires 8.25 x R15
- Four (4) hydraulic jacks
- Cable Reel - 80m
- ANSUL fire suppressor system
- SKF Central Lubrication System, 10 ports

DISPLACEMENT

- Horizontal : maximum speed 11kph
- Ramps 15% : maximum speed 6kph

DRILLING SYSTEM

- 1 x HC 95, 22 kW Montabert drifter
- 1 x 8000 series Long Hole Feed, total length 3.10m (for 5 FT drill) (Available also for 4 and 6 Ft MF drilling rods, R32, T38 and T45)
- 1 x 4AP Boom model, parallel holding, Unit rotation 360° and 0.50 m boom extension
- 1 x 75 kW Power Pack, ABB motor; Pumps: Bosch Rexroth A10VO100 plus Parker 18gpm
- BARYCENTER SYSTEM which synchronizes both drilling and rotation of the feed axes.
- Parker manual directional valves for drilling control
- Pressure compensated hydraulic system, pumps unloaded at start
- Anti-jamming function and Rotation Pressure control Feed
- Reaming bit system valve for feed and RPM control
- Grundfoos Water pump CR5-90, hydraulic motor driven
- LER7-10 Atlas Copco compressor hydraulic motor driven for drifter lubrication
- SKF Autolube for drifter lubrication
- Laser alignment device

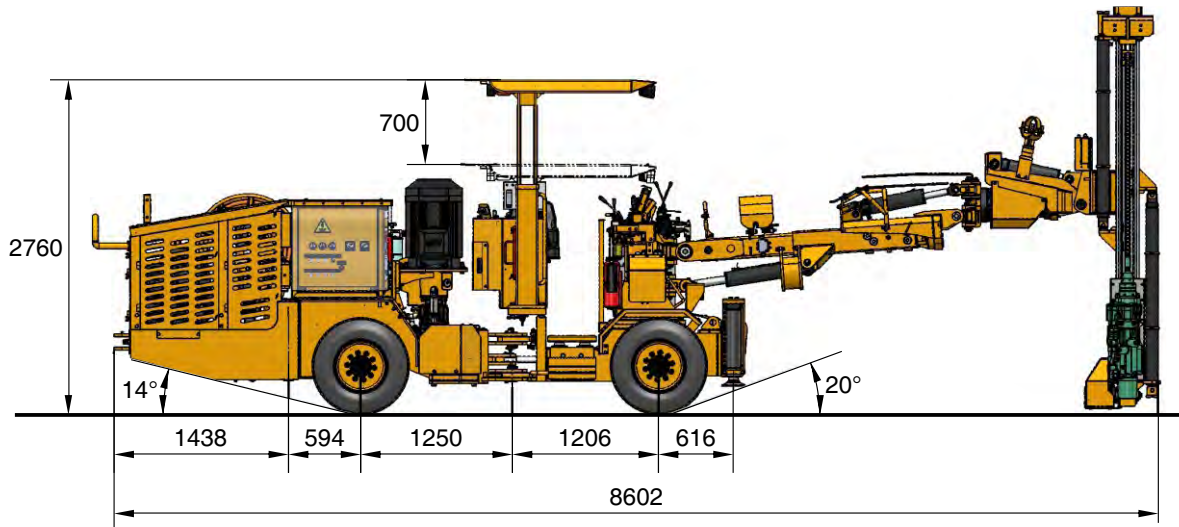
DIMENSIONS

- Width : 1.30 m
- Height : 1.88 m (minimum on transport)
- Length : 9.80 m
- Weight : 11,500 kg

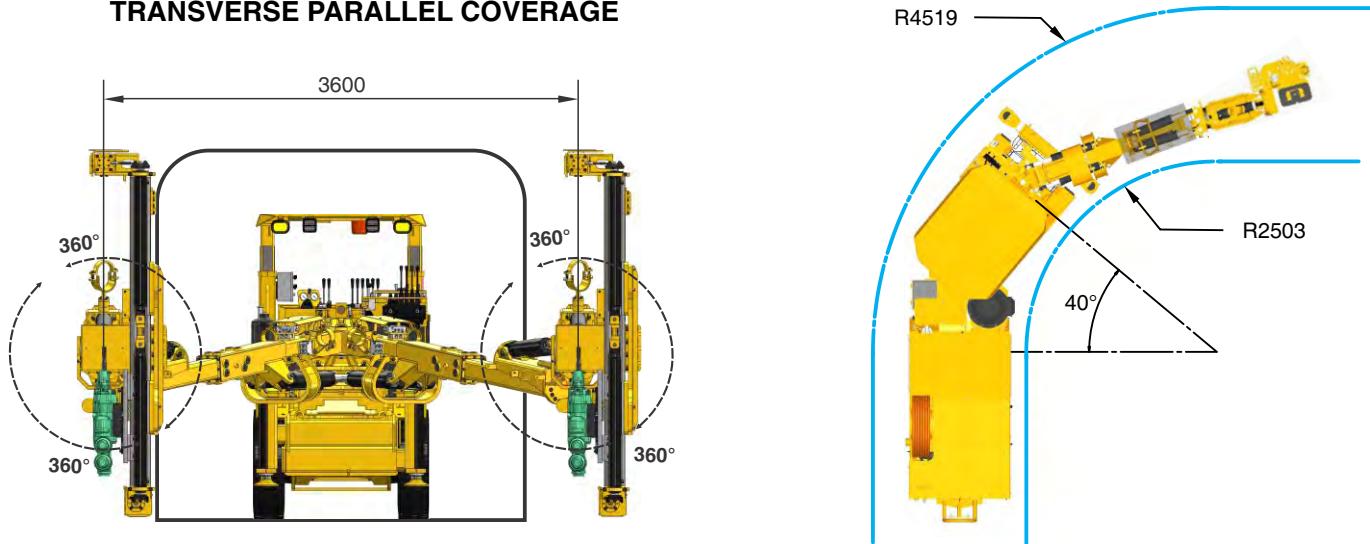


CAPABILITIES AND APPLICATIONS

- Diameters 51 up to 89 mm, Reaming up to 127 mm, Lengths up to 30 m
- Radial 360° and Fan drilling keeping the Barycenter all the time
- Transverse parallel holding coverage up to 3.00 m
- String R32, T38, T45
- Sub Level, Sub Level Caving and Benching methods
- Productivity up to 15,000 m/month depending on other factors like quality of mining services, water, power, planning, etc.



TRANSVERSE PARALLEL COVERAGE

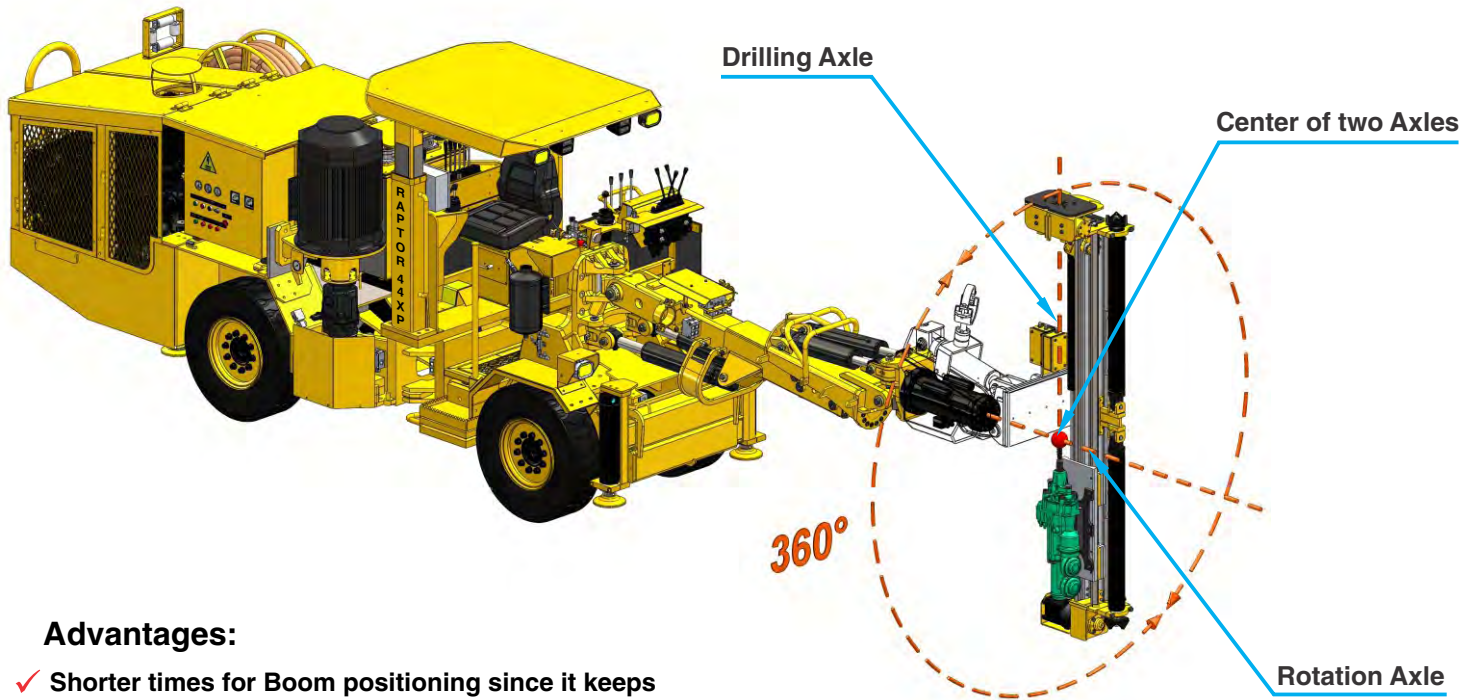


Option with GA-22 Atlas Copco Compressor



Barycenter System

“Both Drilling Axle and Rotation Axle are synchronized”



Advantages:

- ✓ Shorter times for Boom positioning since it keeps the Barycenter for radial and fan holes.
- ✓ Only rotation of the Drilling Feed is required.
- ✓ Enables to use only two Transducers for Digital Inclinator instead of five from competitors.
- ✓ Speeds up the operation and productivity of the machine.

