

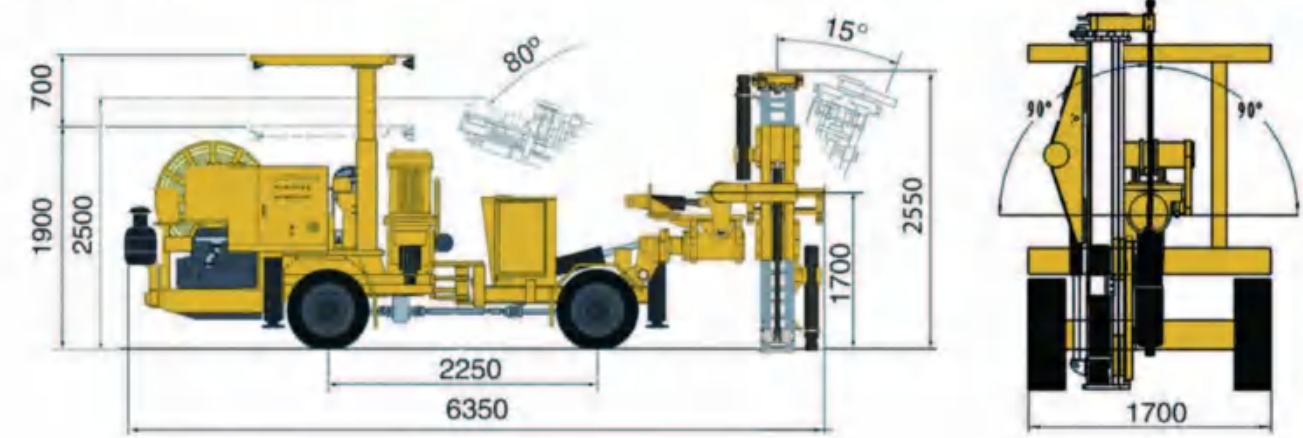


FKDR64Y Remote-control Underground Long-hole Production Drilling Rig is suitable for the minimum 2.6 meters (width) x 2.8 meters (height) tunnel application. The rig is equipped with patent HYG hydraulic rock drilling machine and related mining control system. It can be used for hole diameter range of 45mm-64mm.

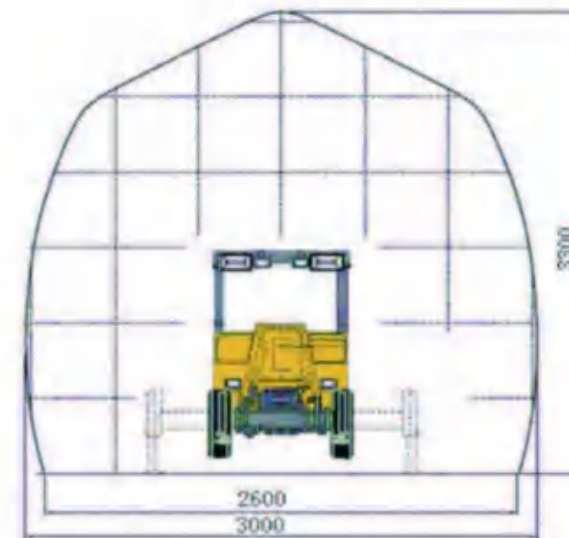
Standard Features

- Hydraulic rock drill: Patent hydraulic rock drill FOCOR550
- Drilling unit: Two-stage hydraulic pushing cylinder; the pendulum arm made of alloy steel with hollows-out structure, providing a high bending and torsional resistance for a long time durability; Rod-handling system with drilling guidance; Forward and backward stringer on the end
- Control system: 30 meters-distance remote control system; anti-jamming control system
- Carrier: Hinge steering and four-wheel drive, suitable for small-size tunnel
- General: Cable reel with different choice, high-quality hydraulic components.

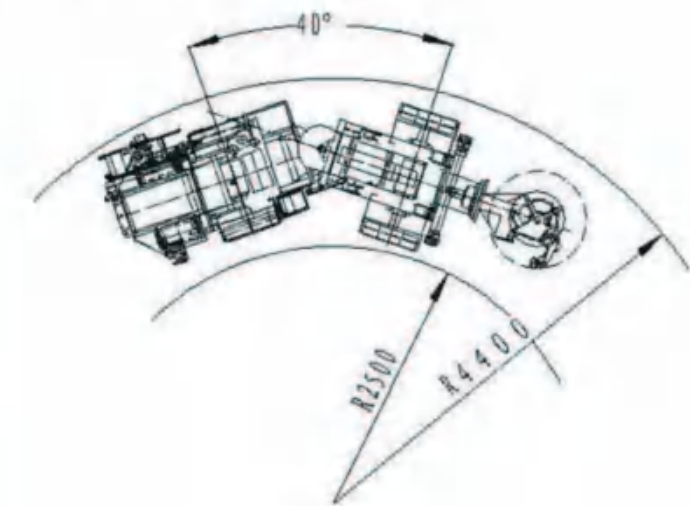
Side View



Coverage area



Turning Radius



Technical Specifications

» Rock Drill

- FOCOR550
- Shank adapter R32 R38 T38
- Hole diameter 45–76mm
- Impact power 24kW
- Impact rate 60–75 Hz
- Hydraulic pressure, max 230bar
- Rotation motors: Separate rotation
- Rotation speed 0–300 rpm
- Lub. air consumption (3 bar) 5L/s
- Water consumption 50L/min
- Weight 190 kg

» Feed

- HYTL
- Total length: 2550mm
- Drill rod length: 1200mm

» Drilling unit

- Adaptable to 1.0m or 1.2m rods
- Adaptable to R32, R38, T38 Speedrods

» Positioning system

- Feed extension (with 1.0m/1.2m drill steel) ... 650mm
- Rotary Acurator HYZX 76 for 360°
- Stringer backward on feed HYXD 050
- Stringer forward on feed HYSO 050
- Feed dump, drilling +15° forward and -80° backward

» Control system

- Electrical Direct System, EDS
- Basic functions such as anti-jamming included

» Power pack

- Hydraulic pump for percussion
- Hydraulic pump for rotation, positioning, feed
- Pump unloaded at start
- System pressure, max 200 bar
- Hydraulic oil tank, volume max 165L
- Low oil level indicator including shut down
- Oil temperature gauge on oil tank, electronically supervised
- Electric oil filling pump
- Filtration 10 um
- Oil filter indicator
- Water cooled oil cooler in stainless container
- Mineral hydraulic oil

» Electrical system

- Total installed power 68kW
- Main motors 55kW
- Voltage 380–1000V
- Frequency 50–60 Hz
- Starting method star/delta (380V–690V) direct (1000V)
- Thermal overload protection for electric motor
- Percussion hour meter on operator display
- Digital voltmeter / amperage meter in electric cabinet

- Phase sequence indicator/ Earth fault indicator/ Battery charger
- Transformer 4kVA
- Working lights 2 x 200W, 24V
- Cable reel, inner / outer diameter, mm ∅ 660/ 1195 mm

» Air system

- Compressor Good quality
- Capacity at 10 bar 10 L/s
- Hole blowing kit with external air

» Water system

- Electric water boost pump
- Capacity at 10bar boost max 200L/min
- Min water inlet pressure 2 bar
- Water pressure gauge / water flow guard

» Carrier

- Diesel engine Deutz D914L04
- Power rating at 2200 rpm 58kW
- Torque at 1500 rpm 258 Nm
- Fixed seat for tramping with safety belt
- Articulated steering ± 41°
- Four-wheel drive
- FOPS-approved protective roof
- Hydrostatic power steering system
- Front axle Chinese brand
- Rear axle Chinese brand, ± 8° oscillation
- Front axle Automatic differential lock, limited slip
- Tyres 8.25x R15

- Clearance outside axles 15°
- Hydraulic jacks, front 2 extendable
- Hydraulic jacks, rear 2
- Service brakes 2 separate circuits (hydraulically applied, fully enclosed wet disc. brakes)
- Emergency and parking brakes SAHR
- Fuel tank, volume 60L
- Electric system 24V
- Batteries 2x70 Ah
- Tramming lights 8 x 70 W
- Illuminated stairs for platform/ brake lights
- Central lubrication system
- Catalyser, silencer, spirit levels
- Gradeability at max load on drive wheels ... 1:4
- Traming speed on flat ground >10km/h
- Traming speed on incline 1:8 >4km/h
- Horn, beacon, and reverse alarm
- Outlet for communication radio 12V