

Surface DTH Rig

Simple & Easy Control



HPV 32

Hole diameter

90-95 mm (3 1/2'' - 3,74'')

Easy to maneuver.
Quick interchangeability
Exact positioning
Easy to maintain

Simple & Robust

Gemsa model HPV drill rigs are designed for high operational efficiency with easy handling and mostly suitable for blast-hole production drilling in quarries, open-pit mining and construction work.

It is based on proven and tried technology with simple design, which ensures continuous and uninterrupted operation, even in the harshest conditions.

Benefits include;

- * Rig allows greater flexibility in positioning.
- * Simple: Low maintenance costs and operator friendly
- * Ergonomic design operator panel with manually operated hydraulic control valves
- * Proven: High productivity in the field, reliable and durable, long service life.





Basic facts

Main application:

Blast hole, construction work

Drilling method:

Down the hole

Hole diameter / depth:

90-95 mm (3,5 - 3,74 in) / 40m (130ft)

Engine power:

DEUTZ Air cooled diesel engine.
23kW@2800 rpm
90Nm@1700 rpm

Hydraulic system:

Parker open circuit gear pump .
Walvoil or Hydro control valves

Machine control:

Manual controllers

Drill mast & Feed:

U profile ST 52-3
Feeding: Negative Brake Planetary
Gearbox with Hydraulic Motor
Feeding Stroke: 4m (13,12ft)
Fast feed, pull-back:30m/min(98,43ft/min)
Pull-back force: 25kN (5.620lbf)

Drill head:

Gemsa model drill head 2 3/8"API spindle
Driven by radial piston motor
Power/ Torque:33kW (45hp) / 1.072Nm
(791 lbf ft)
Rotation speed 90rpm
Make up / Break out at 150 bar (2175 psi)

Air line lubricator:

Venturi system

Highest reliability in flexible drilling

Solid design gives superior performance and reliability even under the toughest conditions.

Most efficient power

The powerful DEUTZ diesel engine gives smooth and vibration-free operation with low noise level, featured with high torque.

Fine control of drilling functions.

Rig is equipped with high quality hydraulic components to get highest circuit efficiency and productivity.

Easy to maintain and service.

Rig is designed so all service points can be easily accessed and maintained. Daily service points are accessible without removing any panel.

Benefits

- Excellent overview of the drill site.
- Easily accessible service points.
- Best cold starting properties even under extreme conditions.
- Powerful & rigid mast.
- Improved safety and secure drilling.
- Great flexibility with extensive range of standard features and options.
- Easy to learn and operate.
- Worldwide after-sales support

Features

- Smallest dimensions
- With or without canopy
- Robust connections
- Highest quality hydraulics
- Highest possible circuit efficiency
- Fine control of drilling functions

Optional equipment

Water pump & tank:

Pneumatic control water pump

Rig lighting:

Led lights

Drill Rig Color:

Standard Color : Yellow – Black
(Customer's choice is Optional)

