



JKS VEG air-powered diamond drill, manual chuck.

Drills rated to 396 m (1300 ft) horizontal capacity or 213 m (700 ft) vertical capacity with EW rods and single rod puller. Utilizes model BVRG-94P (vane-type) 20 kW (27 hp) air motor and two variations of basic EG screwfeed swivelhead to provide performance features to meet varied drilling requirements.

Features

VEG DRILL

Utilizes EG Swivelhead. Left hand thread feedscrew and 2-jaw chuck. Speeds up to 3000 rpm.

VEGRC DRILL

Utilizes EGRC Swivelhead. Right hand thread feedscrew and 2-jaw chuck. With reversible motor, feedscrew can be rotated in either direction for rapid advancement or retraction. Jacking wheel had hand brake, providing friction feed for drilling soft formations. Right hand feedscrew minimizes tendency to withdraw off bottom when feed is in neutral position. Versatile drill for diamond core drilling.

SWIVELHEAD FEATURES

- Four feed rates can be selected without stopping by moving shifter handle
- Easily replaceable chuck jaws.
- Neoprene bumper prevents metal-to-metal contact when retracting chuck; prevents jamming swivelhead.
- Jacking wheel on feednut permits manual advancement or retraction of feedscrew.
- Swivelhead firmly mounted on hinge-pin; can be quickly swung out of the way to handle rods.
- Speeds to 3000 rpm.

BVRG-94P AIR MOTOR

- 20 kW (27 hp) at 3600 rpm.
- Smooth running, constant torque characteristics; 300 to 3600 rpm operating range.
- Vane-type motor with spring-loaded plunger under each blade to insure blades contact liner at all times; high starting torque.
- Combination throttle and directional control valve; gated handle for forward, stop and reverse positions.
- Chrome-plated, precision ground liner.
- O.D. and I.D. of liner and end plates concentric to facilitate regrinding and refacing.
- Vane wear can be visually checked through exhaust port.

ROD PULLER

- 152 mm (6 in) lightweight rod puller; provided with quick acting Puller Dogs.

BAR MOUNTING

- Rigid bar mountings to fit either 89 mm (3 1/2 in) or 114 mm (4 1/2 in) mine columns.



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SPECIFICATIONS

Capacity

(EW Rods)	
VEG-94P, VEGRC-94P	
† Vertical	213 m (700 ft)
Horizontal	396 m (1300 ft)

Swivelhead — 360° Range

VEG-94P	
Feedscrew Thread	Left Hand
Feedscrew I.D.	38 mm (1 1/2 in)
Max Rod through Feedscrew	EW
Feed Travel	610 mm (24 in)
Manual 2-Jaw Chuck	Yes
Feedscrew Guard	Yes
Feedscrew Lock	No
VEGRC-94P	
Feedscrew Thread	Right Hand
Feedscrew I.D.	37 mm (1 7/16 in)
Max Rod through Feedscrew	EW
Feed Travel	610 mm (24 in)
Manual 2-Jaw Chuck	Yes
Feed Screw Guard	Yes
Feed Screw Lock	Yes

*Feed Gears

VEG-94P	
Number	4
Feeds-Soft Formations	102, 140, 207, 307
Feeds-Medium Formations	140, 207, 307, 421
Feeds-Hard Formations	207, 307, 420, 644
Friction Feed (4 Revs/in)	No
VEGRC-94P	
Number	4
Feeds-Soft Formations	102, 148, 229, 364
Feeds-Medium Formations	148, 229, 364, 531
Feeds-Hard Formations	229, 364, 531, 700
Friction Feed (4 Revs/in)	Yes

(Revolutions per 25 mm (1 in) advance. Hard Formation Supplied unless otherwise specified.)

*Chuck Speed

Bevel Gears	
	@ 3600 Motor rpm
Standard 1.8:1	2000 rpm
Option High 1.29:1	2790 rpm
Option 1st Low 2.33:1	1540 rpm
Option 2nd Low 3.06:1	1175 rpm

Jacking Wheel

VEG-94P	Jacking Wheel
VEGRC-94P	Jacking Wheel Jacking Wheel Brake

Swivelhead

Swivelhead Weight	VEG-94P	61 kg (135 lbs)
	VEGRC-94P	61 kg (135 lbs)
Swivelring Weight	VEG-94P	11 kg (25 lbs)
	VEGRC-94P	11 kg (25 lbs)

Air Motor — BVRG-94P

Horsepower	20 kW (27 hp) @ 3600 rpm
Operating Range	300 to 3600 rpm
Air Consumption	0.5 to 0.6 m ³ (18 to 20 m ³) Free air per minute per hp
Air Hose Fitting Size	(1 1/2 in) NPT
Muffler Kit	Optional
Motor Weight	29 kg (64 lbs)
Dimensions - Length	432 mm (17 in)
- Width	191 mm (7 1/2 in)

Rod Puller

Piston Diameter	152 mm (6 in)
Pulling Capacity - EW Rods	Vertical 213 m (700 ft) Horizontal 396 m (1300 ft)
Length of Stroke	826 mm (32 1/2 in)
Weight	52 kg (114 lbs)

Rigid Bar Mounting

89 mm (3 1/2 in) Column	15 kg (33 lbs)
114 mm (4 1/2 in) Column	27 kg (60 lbs)

Weights with 3 1/2 in Mount

VEG-94P, VEGRC-94P	
Less Rod Puller	117 kg (257 lbs)
With Rod Puller	168 kg (371 lbs)

† Capacities shown with single 152 mm (6 in) rod puller.
* Indicates options; when ordering, please specify selection.