

**JKS VAG** air-powered diamond drill

Drill rated to 290 m (950 ft) horizontal capacity and 155 m (510 ft) vertical capacity with AW rods and single rod puller. Utilizes model BVRG-94P (vane-type) 20 kW (27 hp) air motor. Model 12 AG Swivelhead provides features to assure fast, efficient core drilling. Drill can be dismantled quickly and easily into lightweight components for transporting underground.

Features

12 AG SCREWFEEED SWIVELHEAD

- Will take AW and AWL rods, and AX equipment through the feedscrew.
- "Safety"-type chuck balanced for high speeds.
- Chuck jaws, chuck bolts and bushings are made of tough, heat-treated alloy steel for long life; easily replaceable.
- Range of chuck jaw sizes from E to AW are available.
- Four easily selected feeds to cover wide range of penetration rates.
- Jacking wheel simplifies manual advance or retraction of feedscrew.
- Thrust indicator tells when bit makes contact with hole bottom.
- Standard feed gears at 200 to 770 revolutions per 25mm (1 in) advance of feedscrew; other options and reverse feeds available.

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 up to BW rod size.
- Special dogs for larger rod sizes also available.

BAR MOUNTING

- Rigid cast steel mounting to fit either 89 mm (3 1/2 in) or 114 mm (4 1/2 in) mine columns, horizontal or vertical. Loosening two nuts permits rotation of swivelhead to any drilling angle in the vertical plane parallel to the mine column.

**PARTS HEADQUARTERS INC.**

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SPECIFICATIONS

Capacity

(AW Rods)	
† Vertical	155 m (510 ft)
Horizontal	290 m (950 ft)

Swivelhead - 360° Range

Feedscrew Thread	Left Hand
Feedscrew I.D.	46 mm (1 13/16 in)
Max Rod through Feedscrew	AW/AWL
Feed Travel	559 mm (22 in)
Safety Chuck	2-Jaw Chuck
Feedscrew Guard	Standard

*Feed Gears

Number	4
Feeds-Soft Formations	150, 200, 300, 500
Feeds-Medium to Hard Formations	200, 300, 400, 770
Feeds-Hard Formations	300, 400, 500, 770

(Revolutions per 25 mm (1 in) advance. Medium to hard formation supplied unless otherwise specified)

*Chuck Speed

Bevel Gears	
	@ 3600 Motor rpm
Standard 2.65:1	1360 rpm
Optional 2.04:1	1770 rpm

Jacking Wheel

Standard on VAG

Swivelhead

Swivelhead Weight	101 kg (222 lbs)
Swivelring Weight	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 ft 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 - AW Rods	Vertical 155 m (510 ft) Horizontal 290 m (950 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

Less Rod Puller	- 3 1/2 in Column	156 kg (344 lbs)
	- 4 1/2 in Column	168 kg (371 lbs)
With Rod Puller	- 3 1/2 in Column	208 kg (458 lbs)
	- 4 1/2 in Column	220 kg (485 lbs)

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