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The JKS Winkie Drill is a small, man-portable gas powered diamond drill which has been one of the diamond core drills of choice in all remote locations of the world for over 40 years. At only 180 lbs this lightweight and compact dill is particularly suited to drilling in the most remote locations: high mountains, deserts, arctic tundra, and dense jungles. It can be transported in a pick-up truck, on mule back, in a helicopter or light plane and two men can carry the assembled drill into the most difficult terrain.

With lightweight aluminum drill rods, it has the capacity to drill 475 feet using E size tools. Operating this time-proven design has minimal environmental impact. It will operate from sea-level to high altitudes. Variable drilling speeds, using a two-speed transmission, allow the Winkie Drill to operate efficiently. This is the lightest gear-shift diamond drill in operation today. The Winkie tripod with its winch helps to increase the production rate and results in lowered fatigue for the drill crew.

The original lightweight exploration drill was designed by Fred Wink and sold by JKS Smit. JKS Smit was sold to JKS Boyles and purchased in turn by Atlas Copco. Atlas Copco sold the JKS product line to Parts HeadQuarters In 2001. This time-proven design makes minimal environmental impact and has performed well in all parts of the world.

Powered by an efficient 10 hp, 2 cycle, air-cooled gasoline engine, the Winkie Drill has been used for surface exploration for many years in remote locations worldwide. It operates from sea-level to high altitudes.

Variable drilling speeds, achieved by a two-speed transmission, help to make the Winkie operate efficiently. The Winkie Drill is the lightest portable diamond coring drill employing a gear shift that is in operation today.

The Unipress frame enables the driller to exert a steady pressure with a minimum of physical exertion and a tripod with a winch helps to increase the speed of core drilling and the results in much less fatigue for the driller.

Aluminum rods can be transported to the drill site easier and also facilitates hoisting from the hole. Steel rods are available however aluminum rods save 30 to 40% of the weight, and increase depth capacity of the Winkie.

ASSEMBLED DRILL

• **Power Unit**	Gasoline, 2 cycle, air cooled engine
• **Horsepower**	10 hp @ 8400 rpm
• **Gear Transmission**	Oil Bath
• **Spindle Output**	3:1 252 (28nm) 7:1 568 (34nm)
• **Type of Feed**	Unipress hand feed
• **Clutch**	Centrifugal
• **Max Bit Speed**	High Speed - 2800 rpm Low Speed - 1200 rpm
• **Weight**	Winkie Drill - 85 lbs Unipress - 100 lbs

Core Barrel Size	Core Diameter	Hole Diameter	Depth Capacity
E Size Thin Kerf IEWS	1"/23mm	1-1/2"/38mm	425-475'/130-145m
A Size Thin Kerf IAWS	1.39"/35.3mm	1.89"/48mm	350'-400'/105-120m

- **Rated Drilling Capabilities - Aluminum Drill Rods.**
- **Drilling Capabilities using steel rods is 30% less.**
- **Depth rating varies in formations and conditions.**

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