

# 3-Speed Diamond Core Drill DK 32

*Oil-Bath Lubrication with Oil Pump  
High-Duty Overload Clutch*



*Motor Protection and Softstart  
By means of Intellitronic  
Antifriction-Element*

Technical Data:	Type	DK 32	DK 32 S
Nominal Power	W	3200	3200
Output Power	W	2300	2300
Nominal Speed (Full Load)	1/min	230/460/720	300/590/930
Total Length without handle	mm	488	488
Weight	kg	11,9	11,9
Drilling Ø in Concrete c.	mm	55 - 350	35 - 250
Tool Fixture		1 1/4" UNC	1 1/4" UNC
Foot fastening		Standard 4xM8 with groove 10 x 4,3	

Diamond  
Core Drills

**WEKA**

Diamond  
Saws

The DK32 from WEKA combines the successful, and in the line of business well known features of the DK22 with an increase of the **output power to 2300 W**, as well as an increase of operators comfort and working safety.

The DK 32 offers a maximum in economy. She corresponds to a high quality standard and is suitable for a continual and professional operation.

The excellent efficiency from motor and gear guarantees an unusual working capacity.

The DK 32 possesses apart from the mentioned characteristics on the whole following features:

**3 - speed change gearing** - Large drilling range (s. techn. Data) with favourable adapting of the speed to the respective drilling diameter.

**Oil-bath lubrication** - Optimal gear lubrication for high efficiency, high durability and less maintenance. The new and high effective oil pump takes care for an optimal lubrication for the first fast step of gear even in vertical operation.

**Overload clutch** - This novel multiple disk clutch protects operator, machine and tool against high mechanical overload. The bigger number of friction surfaces guarantees a nearly constant release torque even after many hundreds of release cycles of the clutch.

At proper use consequently a readjustment between the usual intervalls of maintenance is not longer required.

**Intellitronic** - the new electronic system starts the motor by means of a microcontroller soft and thus avoids a too high start current.

When exceeding the overcurrent threshold the electronic is showing this by a pulsating of the motor. If the operator now decreases the feed power, the motor works normal again. If the operator does not decrease the feed power the electronic switches the motor off after some seconds. After this action the motor can be started immediately. It is not required to wait a time period before starting again like on a thermal motor overload switch.

Moreover the Intellitronic is registering the motor temperature and decreases the overload threshold when exceeding the operating temperature.

Thus the Intellitronic avoids reliable overload conditions and increases safety, the operators comfort and the motors life time.

**Start current limiter** - Two-stage start of the motor takes care for a reliable operation even with quick-action main fuses (for 230 V version only).

**DC-coated drill spindle with protective sleeves** - Sleeves on the spindle made from stainless steel in addition with a high quality surface treatment take care for a maximum protection against rust and abrasion of the running surface under the rotary shaft seals.

**Antifriction-Element** - This smart ring fixed on the drill spindle is able to reduce the release torque for loosening the drill bit considerably.

**Metal casing** - Motor and gearbox are made from aluminum. This makes the DK 32 mechanically and thermally stable and durable contrary to plastics cases.

**WEKA and environment** - WEKA electric tools are mainly made of aluminum and steel. Plastics are only used if it is unavoidable. WEKA electric tools are durable. Scrap-mature machines will be taken apart completely and separated materially.

Thereby WEKA machines are 90% recyclable.

**Electrical safety** - The DK 32 corresponds to the European safety directives.

According to these documents this machine is constituted with double insulation and an additional earth wire which protects the operator when drilling through an electric lead, as well as a fitted PRCD (portable residual current device) between the cord.

**Threefold electrical protection: Double insulation + Earth wire + Ground fault current interrupter (PRCD)**

#### **WEKA Elektrowerkzeuge**

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