

Diamond Core Drill DK 11



*high speed - 6500 1/min
motor protection and softstart
by means of Intellitronic*

*special spindle arrest
flexible water connection
oil-bath lubrication*

Technical Data:	Type	DK 11	
	Nominal power	W	1600
	Output power	W	1100
	Rated speed	1/min	6500
	Total length (with handle)	mm	400
	Weight without cable	kg	5,5
	Drilling Ø in concrete c.	mm	15 - 30
	Tool fixture		M33/3
	Mounting neck Ø	mm	60
	Drill guide with water collecting ring	WR 10	
	Total length	mm	480
	Drilling tool length	mm	200
	Drilling tool Ø	mm	35

The DK11 is a diamond core drill which is preferably used in the fixing technique. Besides the high efficiency which is accustomed with WEKA, the DK11 shows following features:

Tool fixture - The DK11 is mainly used with the M33/3 tool fixture. This new three-way thread enables the user the easy loosening of the tool. As a rule in doing so, no tools are required. Most of all in drilling small diameters the core breaks very often and can therefore be removed over the jut out of the segments only very hardly. A drill bit with M 33/3 can be screwed off in shortest time, since the aperture is thread sides 30 mm wide. Cores up to a diameter of 29 mm can easily be toppled over. After that the drill bit is screwed on again.

However, the new thread is a relatively simple to manufacture solution which is more cost-effective than special quick-change tool fixtures and which can be offered by leading manufacturers.

Special spindle arrest - by a lateral button (opposite of the water connection) in the gear box the spindle can be arrested without any tools. Therefore an easy loosening of the drill bit without any further tools is guaranteed.

Springy water collecting ring (accessories) - The water collecting ring is preferably used in combination with a usual water vacuum cleaner for sucking and draining the rinsing water. Moreover it also serves as a start drilling aid since by the lateral fixed buffer in combination with the gas spring a stable fixation on the surface which is to be drilled is possible.



High spindle speed - Especially for small diameters of 10 - 30 mm, like they occur in the general fixing technique.

Oil bath lubrication - Optimal gear lubrication for high efficiency and durability.

Overload clutch - protects operator, machine and tool against high mechanical overloads. An indispensable safety element for hand operated core drills.

Intellitronic - the new electronic system starts the motor by means of a microcontroller softly 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.

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

Levelling assistance - By two integrated levels an exact horizontal and vertical working positioning is possible.

Metal Casing - WEKA motor and gear cases are not made of plastics, but of aluminum. Therefore they are mechanical and thermal very stable.

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

Moreover the machines are up to 90% recyclable.

The DK11 is supplied with a complete tool set in a practical suitcase in which there is still room for a few drill bits.

Electrical Safety - WEKA diamond core drills correspond to the newest European regulations. The most important features are double insulation with an additional ground wire, that protects most of all against external voltage - drilling into a live line - and a residual-current-operated protective device (RCD) in the cord.

Threefold electrical protection - safety insulation + earth wire + protective switch

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