



FAITHFULL Diamond Core Drills

Please observe the following guidelines to ensure a long working life for your Faithfull diamond core drill.

Faithfull diamond core drills are suitable for cutting breeze block, brick and soft concrete. They are not designed to cut extremely dense concrete or abrasive materials because doing so may damage or reduce the working life of your core drill.

Diamond core drills must always be used with power drills rated at between 850 to 1,000 watts, which are equipped with a safety clutch and a variable speed function.

Always use the drill at the recommended rotational speed for the size of core drill being used. Speeds of between 1,000 and 2,500 rpm are normal for the correct operation of diamond core drills.

Always ensure that the core drill is rotating when entering and exiting the material being cut.

Never use "hammer" action when using a diamond core drill, as this is likely to cause damage to both the core bit and to your drill.

Never attempt to cut metal or reinforced concrete as damage to the core drill is likely to occur.

Never allow the core drill to become excessively hot while cutting, and allow a cooling down time between cutting applications.

Please refer to your manufacturers instruction as to the maximum core diameter that can be safely used with your machine.

DO NOT USE DIAMOND CORES LARGER THAN 90mm IN DIAMETER WITH SDS PLUS DRILLS AS THIS MAY RESULT IN DAMAGE TO THE MACHINE OR THE SDS ADAPTOR.

Operation Instructions

Diamond core drills can be used with or without a pilot drill.

A) WITH A PILOT DRILL

(Applies to 32mm core drill and larger sizes)

- (i) Push the pilot drill into the Hex or SDS adaptor.
- (ii) After marking out, drill until the diamond core drill is at least 5mm into the material.
- (iii) Withdraw from the material, disconnect the power, and remove the pilot drill using the drift key.
- (iv) Restart drilling

B) WITHOUT A PILOT DRILL

(Experienced operatives may use the following procedure)

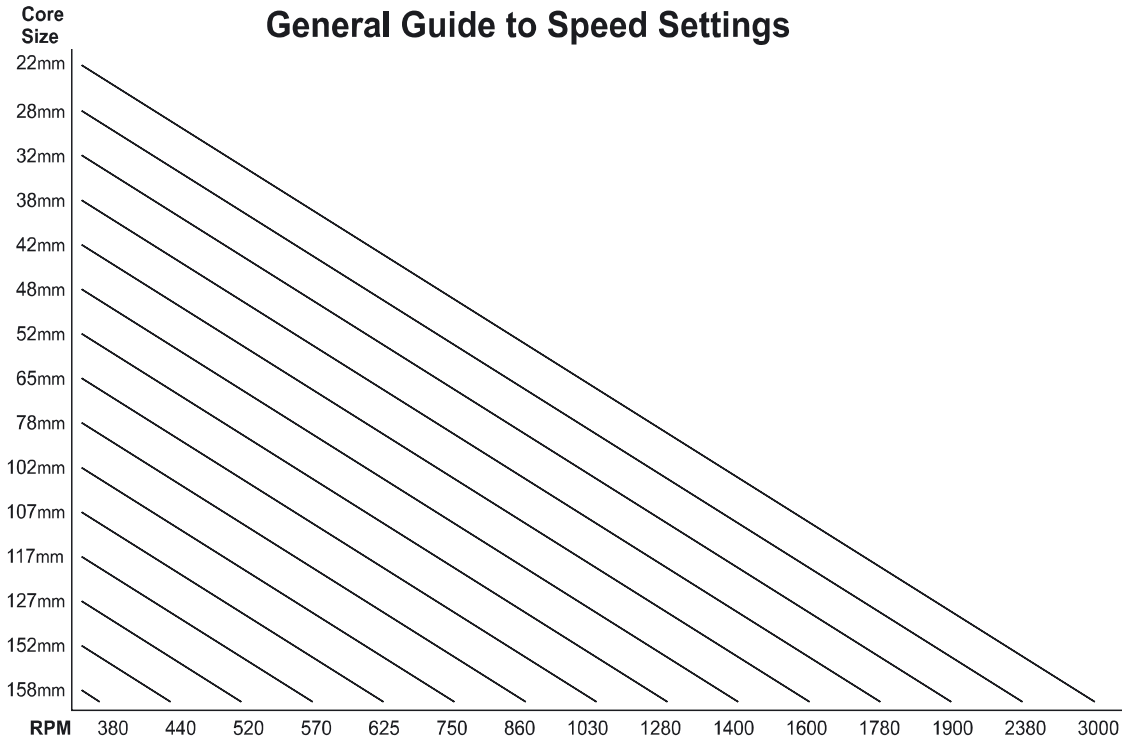
- (i) With the core drill running, apply the cutting edge to the surface of the material to be cut, with the drill at an angle of approximately 15°.
- (ii) As the teeth bite, gradually move the core bit towards a 90° angle to the surface of the material, while continuing to apply pressure.

Please note that this procedure should not damage the core drill bit.

Operation Hints

- 1 Although a soft or abrasive material will cut easily, it will also cause rapid wear to the cutting edge of the diamond core drill bit. With such materials, increased drilling speed (rpm) will extend the life of the core drill bit.
- 2 Conversely, for harder materials, the drilling speed should be decreased.
- 3 If a diamond core drill becomes polished (blunt) make a shallow cut in a soft building brick or block to refresh the diamond segment cutting edge.
- 4 Only use diamond core drills with the machine set to the "rotary" option.
- 5 Regularly check your core drill bit for damage and signs of uneven wear.
- 6 All core drill bits are supplied with a 1/2" BSP female thread.

General Guide to Speed Settings



GENERAL SAFETY ADVICE

Always wear eye protection to BS 2092 Grade1, EN166B.

Always wear the correct respirator or dust mask for the material being cut.

Always drill with gentle pressure and ensure that excess dust is cleared away.

Always ensure that your power tool is disconnected from its power source when removing and fitting core drill bits.

Always hold the drill with both hands when cutting materials with core drill bits.

Never drill above head height, or in a position that is uncomfortable.

PLEASE NOTE FAITHFULL PRODUCE TWO RANGES OF DIAMOND CORE BITS WITH DIFFERENT THREADS

1) STANDARD RANGE CORES (YELLOW): ½" BSP THREAD

2) PROFESSIONAL RANGE CORES (RED): M16 THREAD

Using the "Professional" range of core bits with standard range accessories will require a FAI DC12BSPF adaptor, available from your local Faithfull stockist or ordered on-line from www.toolbank.com

Faithfull Core Bits and Accessories

Faithfull offer a comprehensive range of Contract core bits and accessories, all designed to increase the versatility of your core bit set.

STOCK NO	DIAMETER	LENGTH	STOCK NO	DESCRIPTION
FAI DC28C	28mm	300mm	FAI DCEXTBSP	EXTENSION 300mm 1/2in BSP
FAI DC38C	38mm	150mm	FAI DCHEXBSP	ADAPTOR HEX x 1/2in BSP
FAI DC52C	52mm	150mm	FAI DCSDSBSP	ADAPTOR SDS x 1/2in BSP
FAI DC65C	65mm	150mm	FAI DCDP	SPARE DRIFT PIN
FAI DC78C	78mm	150mm	FAI DCMD	TAPER WEDGE DRILL 200mm
FAI DC107C	107mm	150mm	FAI DCM18BSP	ADAPTOR M18 FEMALE x 1/2in BSP MALE
FAI DC117C	117mm	150mm	FAI DCUNFBSP	ADAPTOR 16UNF FEMALE x 1/2in BSP MALE
FAI DC127C	127mm	150mm		
FAI DC152C	152mm	150mm		