

ACUDRILL PLUS

Universal drilling machine for threaded and flanged branches



The **AcuDrill Plus** drilling machine is especially designed to drill on mains, under pressure or pressureless, on any type of material: gray-iron casting, ductile casting, PVC, PE, PP, asbestos cement, polyester, clay, steel, etc.

For drilling mains under pressure, the maximum allowable pressure is **16 bar** (for water mains).

The **Acudrill Plus** drilling machine is universal: it can be used for any threaded or flanged saddle or fitting. Its range is from 2" to DN200: 2", 2 1/2" and 3" onto threaded outlets and DN65, DN80, DN100, DN125, DN150 and DN200 flange connections (PN10/PN16).

As an option, it can be operated using an electric or pneumatic actuator.

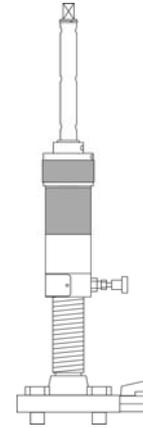
It is supplied in a carrying case that includes the necessary tools.



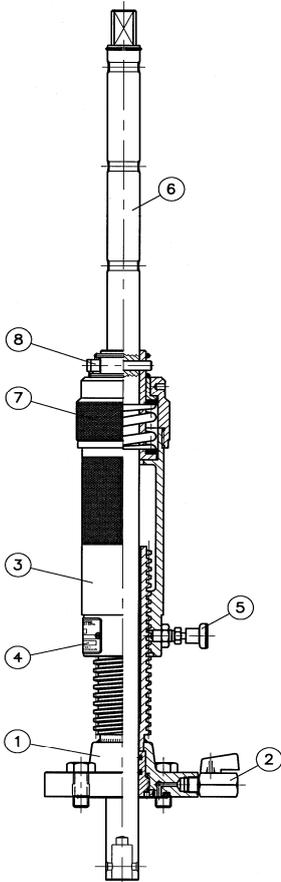
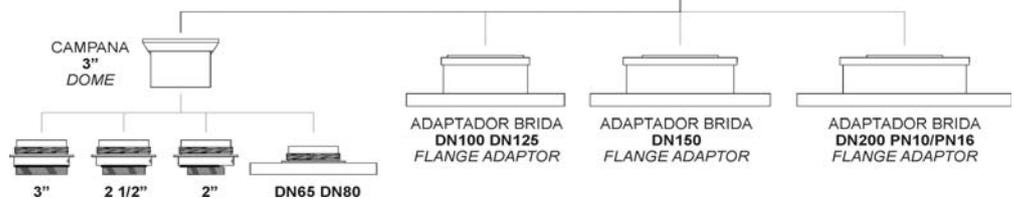
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TECHNICAL CHARACTERISTICS

Body:	Carbon steel, dichromated.
Chuckshaft:	Carbon steel, chrome-hardened
Adaptors:	Carbon steel, dichromated.
	· male threaded of 2", 2½" and 3" BSP, with seal included.
	· flanges from DN65 to DN200 (PN10/PN16).
Hole saw arbor with drill:	Universal modified (≥32 mm including pilot drill with coupon retainer).
Hole saw:	Standard high-speed steel, tungsten carbide, etc., from 32 mm.
Maximum working pressure:	MOP 16 bar (water).
Application:	Underpressure drilling of main pipes from steel, cast iron, ductile iron, asbestos cement, clay, polyester, PVC, PE, PP, etc.
Maximum boring bar travel :	396 mm
Operation:	Manual, by means of 3/4" ratchet wrench. Optionally by means of an electric drive.



CONNECTIONS SCHEME



- 1 Connecting flange with spindle**
Includes four lossless screws and a front o-ring for the 3" dome and flange adapters tightness.
- 2 Venting valve**
PN16 valve for depressurizing and pressurizing test operations.
- 3 Machine body**
Includes end travel mechanism and absorbing mechanism to optimize drilling power.
- 4 CE identification plate**
Marking pursuant to Machinery Safety Directive.
- 5 End travel mechanism**
Blocks the machine's end travel but allows a manual release through the retractable handle.
- 6 Chuckshaft**
Features four fastening openings to select the most appropriate length for drilling.
- 7 Absorbing mechanism**
Assembly which includes the absorbing mechanism.
- 8 Chuckshaft fastening mechanism**
This allows quick and safe fastening of the chuckshaft to the fastening bush. In case of carrying out an automatic drilling through an electric actuator, this fastening mechanism should be replaced by an adapter.



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