

# Technical Diving Equipment



## DOA HD12 HYDRAULIC HAMMER DRILL



HD 12 is a middleweight hammer drill for concrete, masonry and natural stones. Powerful and light, its use is ideal in all drilling and small demolition works where are needed high performances and maneuverability. The hydraulic functioning assures safety and reduces maintenance and noise that are associated with the common electric and pneumatic drills. The bit rotation can be excluded maintaining the percussion only, in this mode HD 12 becomes a chipping hammer ideal for light demolition and finishing works.

The absence of an open exhaust allows using the tool even in complete water immersion without possibility of electric shocks for the operators. The spark free operations avoid risks of explosions when working in ambient saturated by gas or in other dangerous conditions.

Another advantage of HD 12 is its quietness, a lot lower of other type of tools.

For all these characteristics the HD 12 is often irreplaceable in the maintenance of gas and water networks, in the underwater works and in the constructions in general.

### TYPICAL USERS:

GAS AND WATER COMPANIES - UNDER WATER WORKS - RENTAL  
MINING AND WORKS IN TUNNELS OR IN EXPLOSIVE ATMOSPHERES - RESCUE CIVIL  
PROTECTION  
DEFENCE MILITARY SECTOR - WORKS IN CRITICAL SITUATIONS.

- maximum operators safety - high power-reliability - rugged construction
- quietness - immergibility in water without problems
- anti vibration upper handle - adjustable side handle
- the integrated flow limiter valve protects against detrimental excess of flow
- uses standard Kango type bit attachment
- HD 12 is available on request with bit attachment type Bosch - Spline

### WEIGHT AND DIMENSIONS

WEIGHT ( w.o. Bits )	: 12 Kg
HEIGHT	: 52 cm
LENGTH	: 27 cm
WIDTH	: 16 cm

### HYDRAULIC CHARACTERISTICS

FLOW MIN-MAX	: 15 - 40 l/min
IDEAL FLOW	: 20 l/min
MAX PRESSURE	: 150 bar
TOLERABLE BACK PRESSURE	: MAX 10 bar
ON/OFF CONTROL VALVE TYPE	: Open center
EHTMA GROUP	: C - D

### CHARACTERISTICS AND PERFORMANCES

BIT ATTACHMENT TYPE	: Kango hex
BIT ROTATION SPEED	: 250 rpm
PERCUSSIONS PER MINUTE	: 2100 x min
MINIMUM DRILLING CAPACITY	: Ø 16 mm
MAXIMUM DRILLING CAPACITY	: Ø 50 mm
IDEAL DRILLING RANGE	: Ø 19 - 32 mm
STD DEPTH DRILLING CAPACITY	: 450 mm