



Fabryka Maszyn i Urządzeń „OMAG” Sp. z o.o.
Brzezinka ul. Górnicza 8 32-610 Oświęcim Polska

Underground Hydraulic Drilling Rig **WD-06H**

Telephone: +48 33 843 00 81
Fax: +48 33 843 15 14

Website: www.omag.pl
Email: omag@omag.pl

The WD-06H Drilling Rig is designed for geological testing drilling and drilling blast, anchor, engineering and protection holes with diameters between 36 mm and 160 mm in soft and medium hard rock using the rotary method. The rig is equipped with a through-spindle and clamping head, which allows the use of pipe rods with a diameter of $\phi 32$ or $\phi 42$ mm.

TYPE	Unit	WD-06H
Marking	-	CE I M2 X
Medium	-	Oil-water emulsion or hydraulic oil
Drilling depth	m	do 60
Borehole diameter	mm	$\phi 95$
Full section drilling diameters	mm	$\phi 36 - 160$
Motor power	kW	7,5
Max. torque	Nm	640
Spindle rotation	rev/min	112 - 357
Holding down pressure	kN	0 – 14,7
Advance speed	m/min	0 – 2,14
Diameter of rods used	mm	$\phi 32$ lub $\phi 42$
Working travel distance	mm	900 lub 600*
Drilling angle	-	360°
Type of drive	-	hydraulic
Supply pressure	MPa	32/14 (emulsion) 10 (hydraulic oil)
Rig dimensions	mm	1500 (1200**) x 460 x 550
Weight of drilling rig excluding support structure	kg	105 (100**)

* On special order

** For spindle length of 600mm

The standard version is mounted on a support structure which allows for drilling in all directions from one single mounting position. Customized versions can be also supplied with an extendable support structure and both standard and extra length articulated saddle-type support structures. The drilling rig can be also mounted onto pit props with diameters of $\phi 100$, $\phi 118$, $\phi 149$ and $\phi 159$ mm. The standard version of the drilling rig includes a support structure with a feed of 900 mm.

The design and materials used to make the drilling rig allow it to be operated in non-methane and methane areas in workings classified as "a", "b" or "c" methane explosion hazard zones and in workings classified as class "A" or "B" coal dust explosion hazard zones. The WD-06H Drilling Rig is classified as Group 1 Category M2 equipment according to the Decree of the Minister of Economy of 22 December 2005 on essential requirements for protective systems and equipment intended for use in potentially explosive atmospheres (Dz. U. /Journal of Laws/ No. 263 of 2005, pos. 2203) and also meets the requirements of the Decree of the Minister of Economy of 21 October 2008 on essential requirements for machinery (Dz. U. /Journal of Laws/ No. 199 of 2008, pos. 1228).