



Underground Hydraulic Drilling Rig WD-06H



| TYPE | Unit | WD-06H |
|--|---------|--|
| Marking | - | CE I M2 |
| Medium | - | Oil-water emulsion or hydraulic oil |
| Drilling depth | m | up to 60 |
| Borehole diameter | mm | Ø 95 |
| Full section drilling diameters | mm | Ø 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 | Ø32 or Ø42 |
| Długość skoku roboczego | mm | 900 or 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 **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 Ø32 or Ø42 mm.

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 Ø100, Ø118, Ø149 and Ø159 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 I Category M2 equipment according to the Polish Regulation of the Minister of Development dated 6 June 2016 and concerning the requirements for equipment and protective systems intended for operation in zones of explosion hazard, implementing Directive ATEX 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).



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