



Underground Hydraulic Drilling Rig WDH-3.1



TYPE	Unit	WDH-3
Marking	-	CE IM2
Medium	-	Hydraulic oil
Drilling depth	m	up to 300
Full section drilling diameter	mm	Ø 59 - 153
Diameter of rods used	mm	Ø51 or Ø60,3 or Ø76
Max. rod length	mm	1500
Drilling angle	-	±90°
Type of rod threa	-	N42 or N51 or 2 ^{3/8} WP
Max.torque	Nm	2250 or 1120
Rotation- rod drive	rev/min	0-78 or 0-156
Holding down pressure	kN	0-75
Working advance speed	m/min	0 - 4,7
Weight	kg	1020 (drilling rig) 145(steering unit)
Dimensions of the drilling rig	mm	3100 x 1300 x 760
Steering unit dimensions	mm	1005 x 450 x 1136

The **WDH-3.1** Underground Hydraulic Drilling Rig is designed for geological prospecting drilling and drilling water drainage, methane drainage, engineering and protection holes with diameters between 59 mm and 153 mm in rocks of different hardness using the rotary method. The drilling rig has a hydraulic drive and is powered with hydraulic oil supplied by a hydraulic power supply unit.

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 WDH-3.1 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).

