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Underground Hydraulic Drilling Rig WWH-5

The WWH-5 Underground Hydraulic Drilling Rig is designed for geological drilling and drilling water drainage, methane drainage, engineering and protection holes with diameters BQ, NQ and HQ 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.

TYPE	Unit	WWH-5
Marking	-	CE I M2 X
Medium	-	L-HL 46 or L-HL 68 hydraulic oil
Drilling depth	m	up to 1000
Borehole diameter	mm	HQ Ø88,9
Diameter of rods used	mm	BQ Ø55,6 NQ Ø69,9 HQ Ø88,9
Size of the feed	mm	1700
Drilling angle	-	±90°
Supply pressure (rotation)	bar	315
Max. torque	Nm	2300
Rotation - rod drive	rev /min	0-1200
Holding down pressure	kN	0-100
Working advance speed	m/s	0,2
Weight	kg	2950 (drilling rig) 370 (control panel)
Rig dimensions	mm	3500 x 1430 x 1860
Control panel dimension	mm	1165 x 1150 x 1150

The whole operation of the drilling rig is controlled remotely from a control panel.

To ensure optimal working conditions we recommend connecting the rig to our own AZH3-200 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 WWH-5 Drilling Rig 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).

