

HYDRAULIC DRILLING MACHINE

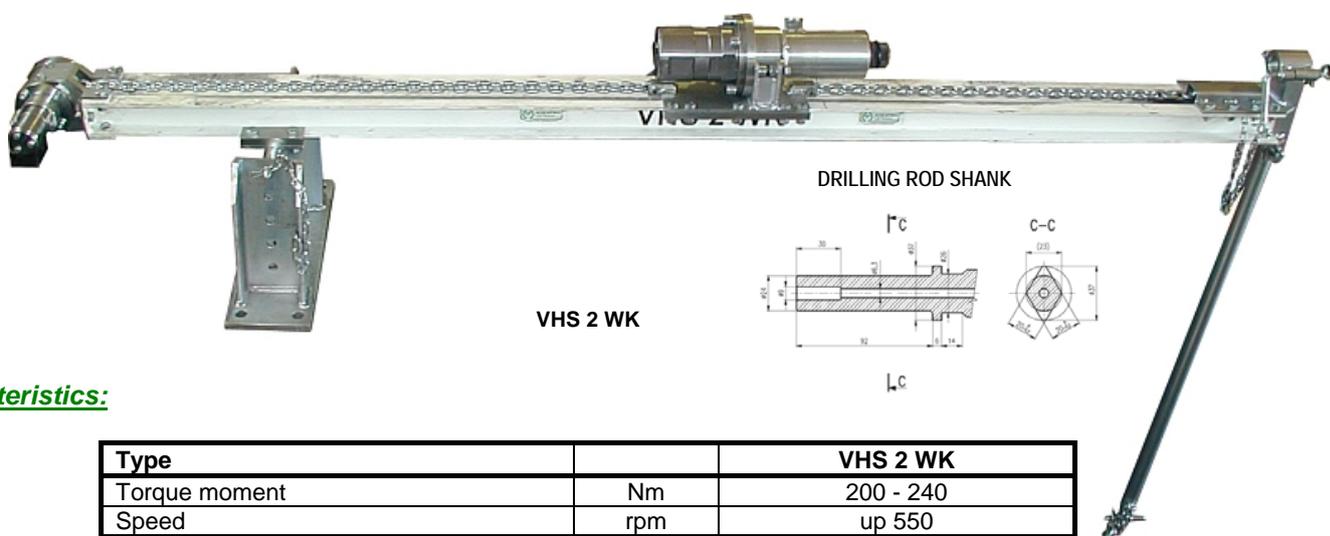
VHS 2 WK (EMULSION DRIVE)

Use and description:

Hydraulic drilling machine **VHS 2 WK** is intended for drilling of holes with diameter up to 200 mm in coal for the positioning of the support parts necessary for the roof stabilisation based on the requirements of the extraction technology or for anchoring. Using the special console (it is not part of delivery – individual manufacture) the drilling machine is fastened to the steady structure, for example to the working face conveyor or to the cutter loader arm.

The drilling machine consists of the welded frame, on which the driving unit with the drilling rod and the spindle are shifted. There is the water flushing of the drilling bit. The spindle is equipped with a sleeve for ensuring the drilling rod with a rhombic shank. The shifting action of the sleeve is due to endless chain going on two return pulleys, the one of which is driven by the hydraulic motor. In the frame front part there is the drilling rod guiding part. The spindle rotation and shifting are ensured with two hydraulic motors designed for the working medium- water emulsion HFA (min. 1.5%).

The control is through the hydraulic control cube consisting of two independent distributors. This cube is connected to the drilling machine with four 5 meters long high pressure DN 10. The cube is connected to the mine distribution system of the water emulsion HFA (min 1.5%).



Characteristics:

Type		VHS 2 WK
Torque moment	Nm	200 - 240
Speed	rpm	up 550
Max. stroke	mm	1 720
Shifting speed without load	m.s ⁻¹	up 0.85
Thrust force	kN	5
Operation pressure	MPa	28
Max. pressure	MPa	32
Flow rate at 300 rpm	dm ³ .min ⁻¹	55
Working medium	emulsion HFA with min. 1.5% concentration	
Dimensions w x h x l	mm	261x271x2 379
Weight (without special console)	kg	80.0

Type marking: **VHS 2 WK**
 VHS HYDRAULIC DRILLING MACHINE
 2 type
 WK water emulsion drive

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC-ATEX of the European Parliament and of the Council and meets the requirements for using in areas "hazardous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all employer's national regulations are fulfilled.

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