
HWGS HYDRAULIC MINING DRILLS FOR FITTER WORK



Device description:

Hydraulic mining drills of the HWGS type are designed for drilling holes in steel and wood. The driving element of this type of drills are hydraulic satellite motors adapted to be fed with water-oil emulsion type HFA possible to obtain from emulsion hydraulic buses of mechanized casings. Oil supply from other hydraulic power sources is also possible.

We offer two types of drilling machines for fitter works differing in the size of the motor and the method of fixing the drill.

- Hydraulic mining drill HWGS/SM 0,5/25 - for fitter work with less power equipped with a chuck for fixing cylindrical drills with shank diameter up to 16 mm,
- Hydraulic mining drill HWGS/SMW 0,7/25 - for fitter work with increased power equipped with a MK2 type chuck.

In both cases, the control is carried out with the help of a handle, which allows the drill to start smoothly and safely

MANUFACTURE AND SERVICE

Grupa SM Hydro

ul. Karolinki 10B, 40-467 Katowice

tel.: +48 (32) 353 03 75

e-mail: biuro@smhydro.com.pl

www.smhydro.com.pl

Drive unit description :

Hydraulic mining drills for fitter work of HWGS type are driven by SM and SMW type hydraulic satellite motors developed and manufactured by SM Hydro company. These motors are distinguished by their simple and compact design and high torque combined with high efficiency. The special advantages of SM and SMW type hydraulic satellite motors are due to the precision and quality of manufacture measured in microns, based on the state-of-the-art construction materials with high durability, including the use of sintered carbide.

The use of hydraulic satellite motors in mining is most often associated with the use of water-oil emulsion type HFA, but oil supply is also possible. Hydraulic satellite motors of the SM and SMW types that drive drilling machines vary in size and torque, making it possible to select a tool with the right power to achieve a specific purpose while ensuring the desired performance.

***HWGS type Hydraulic mining drills for fitter work
can work in explosive atmospheres.***



MANUFACTURE AND SERVICE

Grupa SM Hydro

ul. Karolinki 10B, 40-467 Katowice

tel.: +48 (32) 353 03 75

e-mail: biuro@smhydro.com.pl

www.smhydro.com.pl

Technical characteristics of the HWGS hydraulic mining drills:

#	Parameter	Unit	HWGS/SM 0,5	HWGS/SMW 0,7
1.	Motor type		SM 0,5/25	SMW 0,7/25
2.	Geometrical displacement	cm ³ /rev.	14,5	32,9
3.	Nominal pressure*	MPa	22	
4.	Nominal torque	Nm	45	100
5.	Optimal drilling speed	rev/min	do 1500	do 800
6.	Noise level	dB/(A)	<70	
7.	Filtration	μm	100	
8.	Weight	kg	4,2	6,4
9.	Feed liquid	water-oil emulsion HFA, hydraulic oil		

* When fed with low-percentage HFA emulsion, continuous operation at pressures higher than nominal will result in accelerated wear of the toothed working mechanism of the motor. Pressures higher than nominal in continuous operation are recommended only when fed with hydraulic oils.

All SM-type and SMW-type motors are suitable for operation on HFA water-oil emulsion. They can also be operated with hydraulic and also vegetable oils.

Detailed information on motors range can be found at www.smhydro.com.pl

MANUFACTURE AND SERVICE

Grupa SM Hydro

ul. Karolinki 10B, 40-467 Katowice

tel.: +48 (32) 353 03 75

e-mail: biuro@smhydro.com.pl

www.smhydro.com.pl