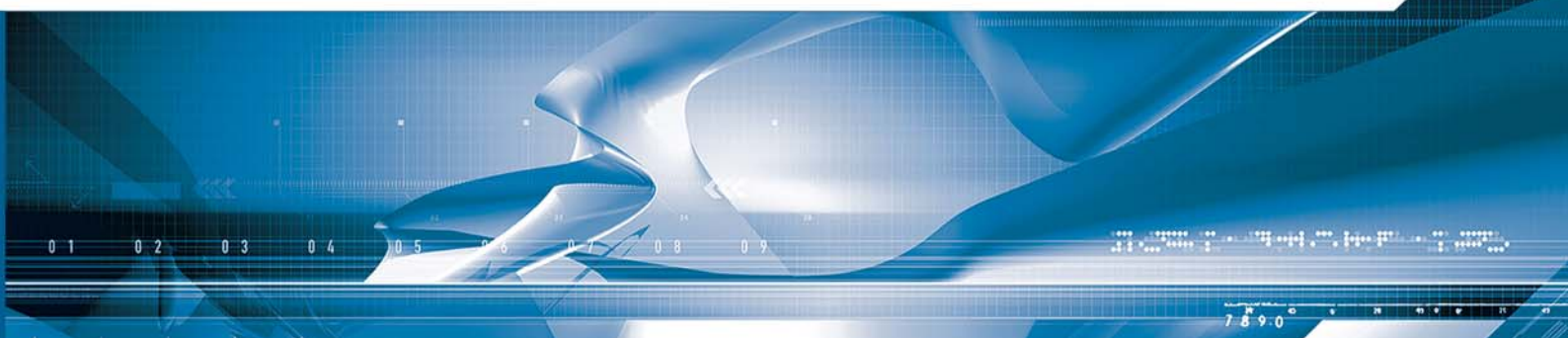


# 多功能全液压挖掘机钻机

Multi-functional Hydraulic Excavator Drill





## 公司简介 Company Profile

保定宏业工程机械制造有限公司是一家集研发、制造、销售、服务为一体的专业化高新技术企业。其母公司—保定宏业石油物探机械制造有限责任公司是中国最大的地震勘探钻机生产企业，成立于1964年。

公司拥有地震勘探钻孔行业资深的研发经验，研发的多功能全液压挖掘机钻机为国内首创，扩展了挖掘机的功能，一机多用，实现了工程钻孔“切削、冲击”，“挖掘”等多功能。该系列产品已成功申请国家专利，专利号201020554983.0。

Baoding Hongye Construction Equipment Co., Ltd., is high-tech company with capability of development, production, sales, service. The mother company is Baoding Hongye Petroleum Prospecting Machinery Manufacturing Co. Ltd., Which was set up in 1964. With rich experience in developing drill rigs, the excavator drill attachment has the most advanced technology in mechanical and auto-control system. The drill attachment has enlarged the function of excavator. The drill attachment has air flush rotation drilling function as well as the air hammer impacting function. Hongye Construction Equipment Co. is the No.1 in development the excavator drill attachment in China. The patent no. is 201020554983.0.

## 多功能全液压挖掘机钻机

### Multi-functional Hydraulic Control Excavator Drill

HY-W系列挖掘机钻机以挖掘机为载体，挖掘机的挖斗和钻机机身可以快捷互换，真正实现一机两用。挖掘机钻机可用于基础土建工程、采矿、采石、筑路、边坡灾害治理等领域的高效钻孔作业要求。

HY-W series excavator drill attachment can be mounted in different models of excavators after modifications. Excavator drill attachment is complete exchangeable with the bucket. Excavator drill can be used in mine, road constructions, slope founding projects, and other construction projects which need shot hole equipment.





## Main Specification

## 技术参数

型号	HY-W20	HY-W30
挖掘机 (Excavator capability)	12-15 ton	20-30 ton
钻孔方法 (Drilling method)	空气钻孔 (Air drilling)	
钻孔方式 (Cutting method)	切削、冲击 (Air flush, air hammer)	
钻孔深度 (Max. Drilling depth)	50m	80m
钻孔直径 (Diameter range)	80-150mm	90-171mm
最大扭矩 (Max. torque):	2000N. m	3000N. m
最大转速 (Max. Speed):	220 r/min	280 r/min
钻架摆动角度 (Mast oscillation angle):	±20°	±15°



## 产品特点 Main Features

不必移动整机就可在挖掘机工作范围内任意位置钻孔。全液压顶驱的先进钻孔技术，钻孔效率高。特殊的钻机结构设计，结构紧凑，配合挖掘机特有的操控性能，极大的增强了钻机的适应能力。人性化驾驶室，轻松在驾驶室完成冲击、切削转换，压力、转速调整，适合在恶劣的工况下作业。真正体现效益最大化，切削成孔油耗仅相当于中、高压冲击钻机的60%~70%。真正切削冲击兼备，软岩层可替代液压切削钻机，硬岩层可替代中、高压冲击钻机。可选装一体式空压机或移动式空压机，满足更多作业环境要求。

Mounted on excavator, drilling can be done in any place within the radius of excavator arm, without moving the excavator. So the non-drilling time has been greatly reduced. The automatic controlling system integrated the hydraulic system and electrical system, has reduced the labor of man power greatly.

In soft working condition, air flushing driving the rotation of drill bits will have higher economy. In hard rocks, high air pressure air hammer will be used for higher efficiency.

Air compressor can be mounted on the excavator or mounted on the trailer.

With human-oriented design, the driller can only use the handle inside the cabin to complete the impacting, cutting, feeding, hoisting, and speed adjustment of drilling. It is idea working conditions of driller.



# 空气管线 Compressed Air Hose

原装进口压缩空气管线（原产于欧洲），由合成橡胶、聚亚安酯和高强度加强纤维制成，用于低风压、中风压、高风压压缩空气的输送。

主要特点：

轻便，耐磨，耐压，寿命长。

耐油污，耐寒，耐热， $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$ 。

可折叠，可弯曲，便于携带和运输。

可弯曲，可拐弯，便于不同地形的放置。



The compressed air hose is lightweight, but rugged and hardwearing. The hose is mainly used for compressed air and has longer life span.

Thanks to the jacket being circular woven and not just spun, the hose does not stretch when pulled and has a very high pressure rating versus wall thickness. The low weight combined with a high pressure rating make the hose popular and easy to use.

The hose can safely be used in ambient temperatures from  $-30^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$ .

内直径 (Inner Diameter)		壁厚 (Wall Thickness)	重量 (Weight)	爆破压力 (Burst Pressure)	拉伸强度 (Tensile Strength)
Inch	mm	mm	Kg/m	bar	kg
1	25.4+1.6	2.5	0.28	100	2300
1 1/2	38.0+1.6	2.5	0.38	70	3500
2	51.0+2.0	2.5	0.53	60	4700
2(90 bar)	51.0+2.0	2.9	0.65	90	7900

*To obtain maximum lifetime for the hose, it is recommended that actual Working Pressure and/or Working Tensile Stress do not exceed 1/3 of the above listed values*



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