



HR系列潜孔冲击器是一种有阀低风压冲击器，属于单活塞、板阀、中心排气结构的冲击器，以压缩空气为动力。为防止粉尘污染，可在压缩空气中加入少量高压水，进行湿式凿岩。

主要有以下特点：

1. 单次冲击能大，破碎岩石的能耗低；
2. 活塞与钻头重量比接近，有效作用时间长，有利于提高岩石破碎效率和延长钻具的寿命；
3. 中心排气排渣效果好，减少了岩石的重复破碎；
4. 冲击器带有逆止阀装置，可在水中钻凿炮孔。

HR系列潜孔冲击器，广泛应用于能源、交通、冶金、建材等行业，是理想的穿孔设备。

HR Series DTH Hammer, a kind of valve-equipped Low-Air-Pressure hammer with a single piston、 a plate valve and a central exhaust structure. The compressed air is adopted as the driving force. To prevent dust pollution and get a better performance, some high-pressure water may be added into the air for wet rock drilling.

It is mainly featured in:

- 1、 The strong energy of single impact and the low energy consumption in rock crushing;
- 2、 The weight ratio of Piston and Bit almost reaches 1:1 to provide long effective acting time, which leads to the improved efficiency in rock crushing and the extended service life of the drilling tool;
- 3、 A good performance in central air exhaust and cuttings discharge, which reduces the repeated crushing of rock;
- 4、 A check valve device is available to drill holes under water.

The HR Series DTH Hammer, an ideal drilling tool, is widely used in such industries relating to energy, transportation, metallurgy, building etc.

低风压冲击器名称解释

Explanation of Low air pressure DTH Hammer code

例: HR 90

R—可与CIR钻头相配

90—表示冲击器的公称尺寸

For example: HR90

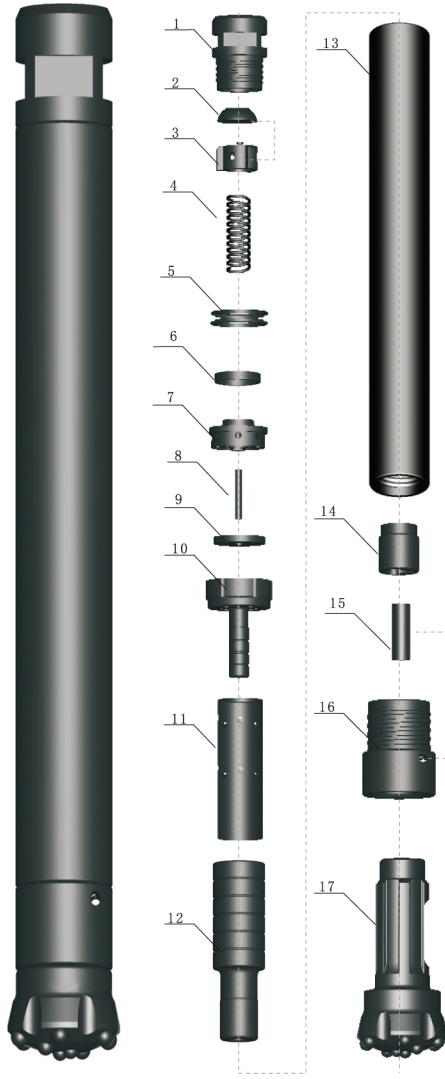
R—CIR Bit Shank

90—Nominal Bit Size



HR90 潜孔冲击器 HR90 DTH HAMMER

低风压冲击器系列
Low Air Pressure DTH Hammers



Item Description (零部件名称)		Weight (重量) Kg	Part Number (零部件 代号)
1、接 头	Top Sub	2.80	HR9001
2、顶 头	Valve Seal	0.01	HR9002
3、逆止阀	Check Valve	0.02	HR9003
4、弹 簧	Spring	0.01	HR9004
5、承压垫	Compression Buffer	0.01	HR9005
6、胶 圈	“O” Ring	0.01	HR9006
7、阀 盖	Valve cover	0.60	HR9007
8、导向管	Guide Tube	0.01	HR9008
9、阀 片	Valve	0.01	HR9009
10、阀 座	Air Distributor	0.60	HR9010
11、内 缸	Internal Cylinder	2.00	HR9011
12、活 塞	Piston	4.00	HR9012
13、外 缸	External Cylinder	5.80	HR9013
14、衬 套	Guided Sleeve	1.20	HR9014
15、挡 柱	Stop Ring	0.01	HR9015
16、卡钎套	Drive Chuck	1.60	HR9016
17、钻 头	Drill Bit	3.50	HR9017

技 术 参 数 Technical Data

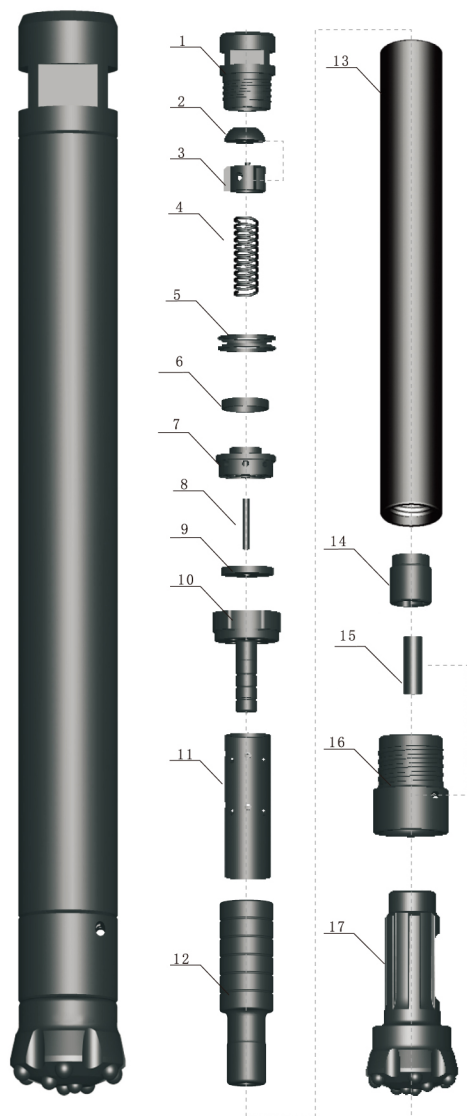
总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
800mm	19.00Kg	Φ80mm	CIR90	Φ85—Φ110	T48x10x2
可用工作风压 Working Pressure	在0.5Mpa时的冲击频率 Impact rate at 0.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.5Mpa	0.7Mpa	
0.5—0.7Mpa	14HZ	25—40r/min	6.5m³/min	8m³/min	



HR110 潜孔冲击器

HR110 DTH HAMMER

低风压冲击器系列
Low Air Pressure DTH Hammers



Item Description (零部件名称)			Weight (重量) Kg	Part Number (零部件 代号)
1、	接 头	Top Sub	5.00	HR11001
2、	顶 头	Valve Seal	0.01	HR11002
3、	逆止阀	Check Valve	0.02	HR11003
4、	弹 簧	Spring	0.005	HR11004
5、	承压垫	Compression Buffer	0.015	HR11005
6、	胶 圈	“O” Ring	0.01	HR11006
7、	阀 盖	Valve Cover	0.80	HR11007
8、	导向管	Guide Tube	0.01	HR11008
9、	阀 片	Valve	0.015	HR11009
10、	阀 座	Air Distributor	1.00	HR11010
11、	内 缸	Internal Cylinder	2.80	HR11011
12、	活 塞	Piston	7.00	HR11012
13、	外 缸	External Cylinder	8.80	HR11013
14、	衬 套	Guided Sleeve	1.40	HR11014
15、	挡 柱	Stop Ring	0.01	HR11015
16、	卡钎套	Drive Chuck	3.80	HR11016
17、	钻 头	Drill Bit	6.40	HR11017

技 术 参 数

Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
839mm	32.00Kg	Φ98mm	CIR110	Φ110—Φ135	API 2 $\frac{3}{8}$ " Reg Box
可用工作风压 Working Pressure	在0.5Mpa时的冲击频率 Impact rate at 0.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.5Mpabar	0.7Mpa	
0.5—0.7Mpa	14HZ	25—40r/min	9.5m ³ /min	11m ³ /min	



HR150 潜孔冲击器 HR150 DTH HAMMER

低风压冲击器系列
Low Air Pressure DTH Hammers

Item Description (零部件名称)		Weight (重量) Kg	Part Number (零部件 代号)
1、接 头	Top Sub	10.40	HR15001
2、顶 头	Valve Seal	0.03	HR15002
3、逆止阀	Check Valve	0.035	HR15003
4、弹 簧	Spring	0.015	HR15004
5、承压垫	Compression Buffer	0.06	HR15005
6、胶 圈	"O" Ring	0.035	HR15006
7、阀 盖	Valve Cover	2.00	HR15007
8、导向管	Guide Tube	0.02	HR15008
9、阀 片	Valve	0.05	HR15009
10、阀 座	Air Distributor	2.60	HR15010
11、内 缸	Internal Cylinder	5.40	HR15011
12、活 塞	Piston	14.00	HR15012
13、外 缸	External Cylinder	22.20	HR15013
14、衬 套	Guided Sleeve	3.20	HR15014
15、挡 柱	Stop Ring	0.025	HR15015
16、卡钎套	Drive Chuck	8.20	HR15016
17、钻 头	Drill Bit	12.50	HR15017

技 术 参 数 Technical Data

总长 (不含钻头) Length(Less bit)	总重 (不含钻头) Weight(Less bit)	冲击器外径 External diameter	可配钻头钎柄 Bit Shank	钻孔范围 Hole Range	后接头螺纹 Connection Thread
908mm	69.00Kg	Φ137mm	CIR150	Φ155—Φ178	T75x10x2.5 Box
可用工作风压 Working Pressure	在0.5Mpa时的冲击频率 Impact rate at 0.5Mpa	推荐转速 Recommended rotation speed	耗风量 Air consumption		
			0.5Mpa	0.7Mpa	
0.5—0.7Mpa	13HZ	25—40r/min	15m³/min	17m³/min	