



Groundwork

HAND HELD ROCK SPLITTER



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Handheld rock splitters are powerful and costeffective alternatives to other traditional demolition tools. It is especially suitable for narrow areas where large machines cannot work and places with strict restrictions on noise and dust. The whole machine is light and flexible, easy to operate, easy to transport, and can be operated by only one person, so it can be used without any problem in confined spaces or places where large machinery is difficult to access, and can even work underwater.

No noise no vibration and flying stones when working. Over the years, our hand-held splitters have achieved great success worldwide for their high quality, high performance, long service life, and very competitive price, playing a huge role in the global demolition field.

A complete Rock and Concrete Splitter consists of three components:

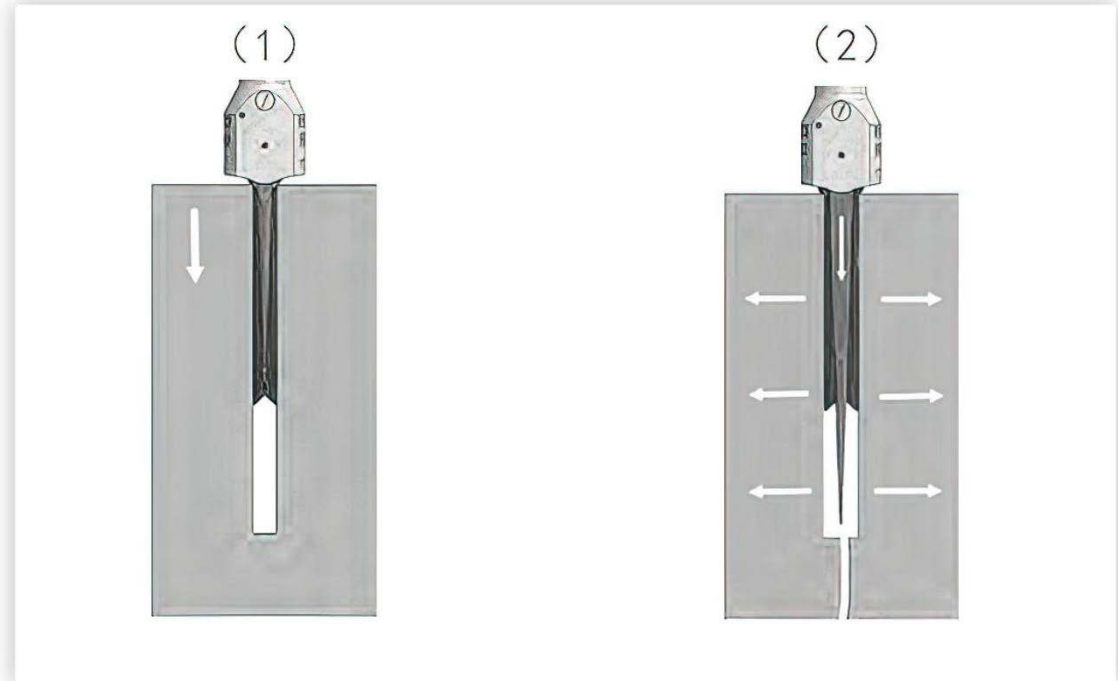
1. Splitters
2. Hydraulic Power Unit
3. Hydraulic Hoses



HOW IT WORKS

First, drill a hole of the appropriate depth and diameter.

Next, insert the wedge of the rock splitter into it and align it to determine the direction of splitting. Start the hydraulic power unit, and the hydraulic power unit outputs a pressure of 60Mpa to the rock splitter. The hydraulic cylinder in the rock splitter pushes the wedge pack to expand sideways with a force of hundreds of tons, breaking the structure of rock or concrete from within.



- Enormous splitting force up to 600 t
- Nearly noise free
- Low dust and low vibration
- Splitting direction can be set
- Ideal for confined spaces
- Easy to use
- Easy to transport
- Can be used anywhere
- Splits in seconds
- Controlled demolition



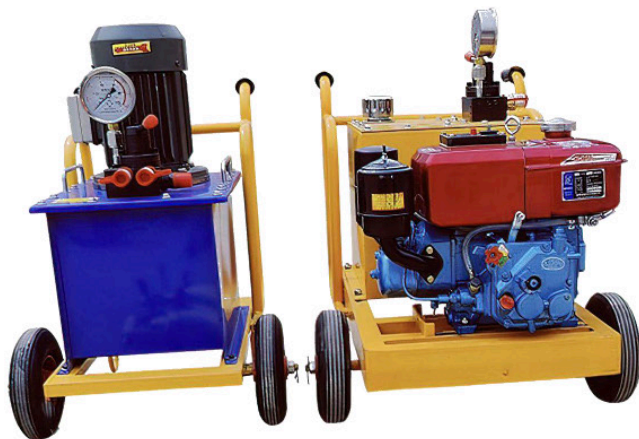
SPLITTER SPECIFICATIONS

MODEL	DRILL HOLE DIAMETER	PISTON DIAMETER	MINIMUM DRILL HOLE DEPTH	LENGTH WEDGE	SPLITTING DISTANCE	SPLITTING TIME	SPLITTING FORCE THEORETICAL	SPLITTING FORCE EFFECTIVE	WEIGHT
	MM	MM	MM	MM	MM	S	TON	TON	KG
RL-250	42	90	≥450	250	10-40	5-15	720	630	32
RL-350	45	90	≥600	350	10-40	5-15	780	690	34



HYDRAULIC POWER UNIT SPECIFICATIONS

ENGINE TYPE	ENGINE POWER	FUEL TANK CAPACITY	WORKING MEDIUM	WORKING PRESSURE	WORK FLOW	CONFIGURABLE SPLITTERS NUMBER	SPECIFICATIONS	WEIGHT
		L		Mpa	L/Min		MM	KG
Electric Type	4KW	30	46 or 68 anti-wear hydraulic oil	55-60	2-13	1-6	384*280*260	75
Diesel Type	4.2KW	40	46 or 68 anti-wear hydraulic oil	55-60	2-13	1-6	1150*1180*940	120
Gasoline Type	7.5HP	40	46 or 68 anti-wear hydraulic oil	55-60	2-13	1-6	1200*1170*800	100
Pneumatic Type	4.04 KW 5.5HP	40	46 or 68 anti-wear hydraulic oil	55-60	2-13	1-6	364*280*620	100



ADVANTAGES

SAFETY

The hydraulic rock and concrete splitting machine can work in a controlled environment, and will not produce some dangerous hidden dangers like blasting and other impact demolition and rock drilling equipment; there is no need to take complicated safety measures.

ENVIRONMENTAL FRIENDLINESS

When working, there will be no vibration, impact, noise, dust, flying chips, etc. The surrounding environment is not affected, even in densely populated areas or indoors, and next to precision equipment, it can work without interruption.

ECONOMIC EFFICIENCY

The splitting process can be completed in seconds and can work continuously without interruption, with high efficiency, low operating and maintenance costs, and without the isolation measures required by blasting operations or other time-consuming and expensive safety procedures.

ACCURACY

Different from most of the demolition methods and equipment of flow transfer, the hydraulic rock and concrete splitter can accurately determine the splitting direction and splitting shape in advance.

FLEXIBILITY

Humanized shape design and durable structure design ensure that its use method is simple and easy to learn, requiring only one person to operate, convenient maintenance and long service life; the splitter and hydraulic device are very convenient to carry.

CASES

