

ALTIKA

Hydro rock splitter

HRS is a power unit of a hole type to split a rock/concrete mass in the required direction. The power unit is a high-pressure hydraulic device with punches to apply a splitting force in a plane to split. The effective location of the hydraulic punches allows to develop a power per unit weight of the splitter mass 5 to 10 times higher than that of other similar splitters. A small capacity of the hydraulic system reduces the working cycle duration to 10-20 seconds, thus a small hand-operated hydropump can be used too. The power unit does not require the reverse stroke of punches in the hydrosystem that are put into the stating position by elastic elements.



HRS is in readiness...



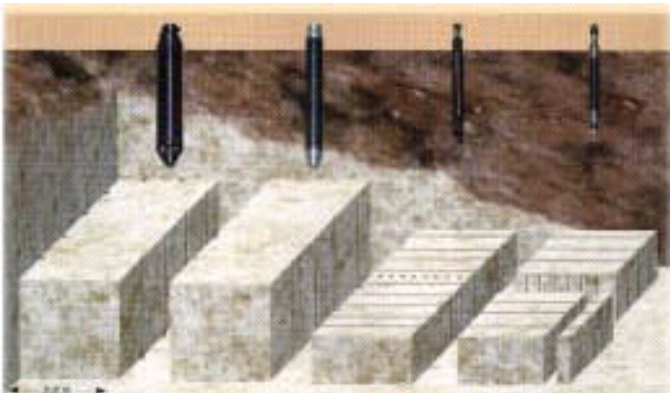
and in action



Technical specification	HRS-	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS-33
	100	-97	-60	-56	-45	-40	-33	-30	mini
Weight, kg	25	24	8	7	5	3	1,5	1,2	0,8
Unit diameter, mm	100	97	60	56	45	40	33	30	33
Unit length, mm	585	585	556	525	425	355	325	295	175
Punch stroke length, mm	20	18	14	12	9	8	6	6	6
Hydrosystem capacity, milliliter	670	670	320	200	150	80	50	16	18
Working pressure, ? ??	125	125	100	100	100	100	70	60	70
Splitting force, ton	850	850	400	350	220	180	100	70	30

HRS is:

- a high splitting force at a small weight and hydrosystem capacity;
- a small bulk structure;
- a high productivity: a rock massif splitting lasts less than a minute;
- a longevity of at least 2000 working cycles;
- an extremely adaptable technology of application:
 - the units can be connected in parallel, in series or in a combination of the both;
 - the units can be placed in ordinary blast-holes of any spacial orientation at any depth;
 - the splitting plane can be of any desired orientation;
 - the natural rock structural features can be used when splitting;
 - the units can be used either at the surface, underground or underwater;
 - the units can be combined with different mining equipment (rock cutters, rope saws, etc.);
- ecologically clean: no noise, no dust;
- safe for the workers;
- simple in operation and maintenance;
- economic efficiency;
- low energy consuming: 1000 times less than other splitters.



For more information, contact:
 Lars Harrison, CEO, Altika
 6325-9 Falls of Neuse Rd., Suite 193, Raleigh, NC 27615-6809, USA
 Phone: 919-878-8166, Cellular: 919-523-1770, Efax: 509-692-8101
lharrison@altika.com www.altika.com

Program code: 303