

# Darda Rock Splitter



## How the Splitter Works

The hydraulic splitter is powered by a 10,000 P.S.I. pump. The cylinder contains a control valve and a piston that moves a plug between two feathers. The plug and feather end is placed into a drilled hole. The plug moves down between the two feathers forcing them against the wall of the hole. When the tension increases beyond the tensile strength of the material, a split will occur. The entire operation of the cylinder is controlled by a single lever on top of the tool. The plug can be advanced and retracted with this lever. An automatic built-in valve reduces pressure after break.

## Three Types of Power

Power units are available in three types – air, gas, and electric. Job conditions usually determine the type of power for the hydraulic pump.

**AIR** – Used in most applications, produces no exhaust gases and is not affected by water.

**GAS** – When all available air must be used for drilling, or when compressor is moved prior to spitting, a gas-powered unit is advantageous.

**ELECTRIC** – Quiet, no exhaust gases, useful inside buildings, crusher installations, etc.

## Controlled Demolition

Hydraulic splitting means controlled demolition. As the direction of breaks can be determined, concrete can be cut in sections as large as your equipment can handle. Hydraulic splitting eliminates both shocks and vibrations associated with large impact tools.

Engineered for heavy duty work, hydraulic splitters will out perform even large mounted impact machines. It can break large pieces of concrete or rock many times faster than with paving breakers. Years of research and the use of hydraulic splitting on hundreds of job sites has proved this new method to be one of the most practical tools for demolition of concrete and rock.

## Applications

The cylinder's short size and the excellent ratio between the enormous splitting force and the reduced weight makes this splitter an ideal tool for a variety of demolition jobs such as



bridge decks, abutments, retaining walls, concrete walls, tunnelling and mining, floor slabs, foundations, wall openings, reinforced concrete, rock and brick walls, locks, dams, culverts, road barriers, and underwater demolition of concrete and rock.



*The Darda Rock Splitter divides a rock into manageable pieces instead of chipping it away bit by bit.*



## Breaking vs. Splitting

Paving breakers and large mounted impact rams are limited to breaking rock or concrete in small pieces. Noisy impact demolition requires more energy, time and is usually more expensive. Using a Splitter, pieces of concrete are broken in seconds for removal. Working with this method can increase production and reduce costs. With a hydraulic splitter, the operator now has a very powerful tool at his command.