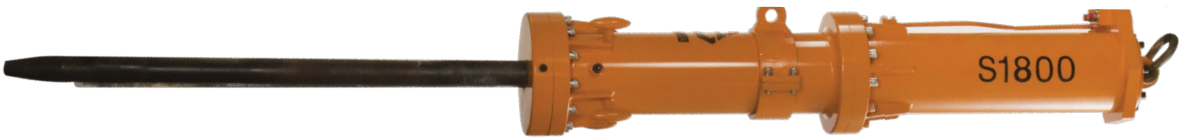
SMART
SHEPL INDIA

S1800 EXTRA LARGE HYDRAULIC ROCK SPLITTER

Conquer Rocks With Precision Engineering & Unmatched Power with S1800 Extra Large Hydraulic Rock Splitter



Model	Drill Hole Diameter mm	Drill Hole Depth mm	Splitting Force kn\ton	Wedge Diameter mm	Wedge Length mm	Length of Splitter mm	Cylinder Length mm	Hydraulic Pressure bar min/max	Weight Kg
S1800	128-140	3000	53936/5500	123-130	1958	4500	2550	300/500	1750

WORKING OF S-1800:

- Insert the wedge set into a pre-drilled hole with a diameter of 128–140 mm and a depth of 3000 mm.
- The S1800 cylinder pushes the center wedge between two counter wedges.
- The splitter applies a massive 5500 tons of splitting force to the side wall of the hole in the rock.
- This splitting force results in efficient rock splitting with no noise or vibrations.
- The splitting operation time required for one hole is 180 seconds.
- The S1800 splitter can be mounted on an excavator ranging from 20 tons to 40 tons.
- The open-face-to-hole distance should be maintained between 850 mm and 1 meter, depending on the strata.
- The hole-to-hole distance should be maintained between 1 meter and 1.5 meters, depending on the strata.



Output:

The S1800 produces an output of 10 to 12 tons per hole, though this may increase depending on the rock strata.

Use:

Primarily used for mining operations or large excavations where the open face is extensive.

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