



LONGWALL FACE DRILL - SHEARER MOUNTED

LFD - SM



This rig utilises the existing Rambor Longwall Face Drill, modified to install bolts into the takeoff face for the safe recovery of the longwall components.

The unit as shown utilises the Hilti One-Step resin anchor bolt system combined with Heusker mesh to generate a very stable face for optimum safety during the longwall recovery phase. The machine can also be configured for a conventional drill steel system.

The LFD rig is mounted on a custom chassis which allows the rig to be attached to the ranging arm of the shearer. The shearer requires no modifications to accommodate the machine.

The rig can be manipulated to allow safe bolt reloads and high or low bolts to be installed in the face.

All functions are powered pneumatically, allowing simple connection from the services present in the longwall.

This machine can be broken down into several components, which can be jibbed into place through a recovery chute, or carried to the shearer by hand.

With a machine mounted on each ranging arm, two crews can install bolts in a simple pattern at a rate of around 100 bolts per shift.

The unit shown may change in specification as a result of Rambor's ongoing research and development program.



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<u>Technical Specifications</u>	
Weight	360 kg (all components)
Dimensions	Length 3000 mm Height 800 mm (not including ranging arm) Width 900 mm
Working Stroke	2100 mm
Air requirements	Minimum - 7 Bar / 100 psi
Air consumption	Nominal - 3400 lpm / 120 cfm
Water requirements	Minimum - 7 Bar / 100 psi
Water consumption	Nominal - 40 lpm
Motor torque	250 Nm @ 7 Bar / 100 psi
Motor RPM	850 - 900 rpm

