



### Description

The DOSCO 2000DL (Drill Loader) replaces the need for separate drilling and loading machines. The machine is of modular and robust design allowing for quick assembly/dismantling, providing simple maintenance and low running costs.

Optional equipment is available for a number of tasks. The 2000DL can be supplied with a rotary percussive or pure rotary drilling unit. Stroke lengths and drilling diameters can be varied as required.

The feed mechanism for the drill head is used to power the mast onto the front carrying bracket, where it is secured with two pins when drilling, or onto the parking bracket to allow the loading bucket to be used. The time to return the mast to the parking bracket and attach the loading bucket or vice versa is approximately three minutes.

The total machine weight is 18500kg.

### Movements

The movements available to the drill mast ensure any drilling pattern can be achieved including roof, floor or side drilling:-

- **Orientation:-** the mast can be slewed through 90° once in position on the top of the carrying bracket.
- **Sump:-** gives horizontal movement of 0.6m.
- **Slew:-** 68° allows cutting head to work outside the track width.
- **Rotation:-** unique 345° rotating boom.
- **Crowd:-** the carrying bracket can be tilted through 85°.
- **Lift/Lower:-** the boom allows horizontal drilling of up to 4.5m in height to be achieved.
- **Dozer Blade:-** the blade has been added in to give greater stability and to ensure that the ground in front of the tracks remains clear.

### Electrics

Electrical specification can be adjusted to suit requirements. Standard machine fitted with:-

- Machine isolation.
- Junction box.
- Foot switch.
- Stop/start switch.
- 2 rear emergency stops.
- 2 side emergency stops.
- 2 front lights.
- 2 rear lights.
- Oil level switch.
- Oil temperature switch.

### Hydraulics

The hydraulic functions are supplied from a three stage gear pump powered from a 112kW electric motor, the voltage and/or phase of the motor can be varied to suit.

- All rams are fitted with anti drop/load control valves.
- Hydraulic blast cooler, water cooler, pressure line filters and return line filters incorporated into circuit.
- Mineral oil or water/oil emulsions can be used.
- Track units hydraulically operated with hydraulic tension unit and spring recoil (forward/reverse speed 2.21km/hr).

