PRODUCTLINE MINING AND CONSTRUCTION MACHINERY

SERVICE INSTRUCTIONS
SPARE PARTS LIST

Pneumatic Rock Drills

PLB 24 DI
PLB 24 K

SWISS INDUSTRIAL COMPANY (AUSTRALIA) PTY LTD.

READ THIS!

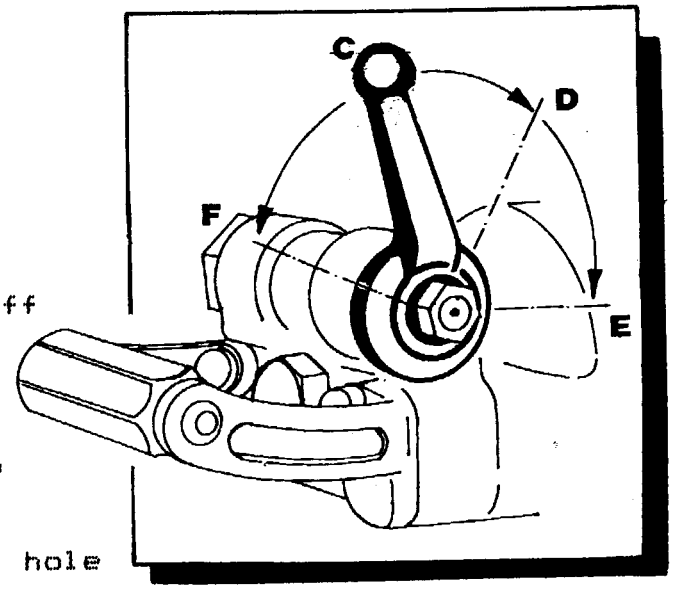
These instructions have been written to help you!
Please read them carefully and observe the information they contain.

This will save you unnecessary work and expenditure on spares.

PLB 24 DI SPECIFICATIONS

DIMENSIONS:	Weight	25 kg
	Length	650 mm
	Piston diameter	80 mm
	Piston stroke	60 mm
CONNECTIONS:	Air	3/4" BSP
	Water	1/2" Hosetail
DRIVE:	Optimum operating pressure	5 - 6 bar
	Air consumption at 6 bar	4.0 m^3/min
FLUSHING WATER:	Water pressure in all cases, to be at least 0.5 bar lower than operating air pressure.	
	Minimum throughput for 2.4m drill rod	8.8 litres/min
TOOL CHUCKS:	Normal	7/8" x 108 mm
	Alternative	1" x 108 mm

OPERATION



OPERATING POSITIONS

C	AIR OFF	Compressed air to rock drill shut off
D	WATER ON	Flushing water feed on.
E	AIR ON	Compressed air to rock drill on
F	BLOW OUT	Blow out of drill hole

NOTE Position F is also the assembling position for changing the throttle valve and blowing out the water valve during maintenance.

POINTS FOR PROPER OPERATION

1. GOOD AIR & WATER SUPPLY
2. ROCK DRILL LUBRICATION
3. GOOD CONDITION OF DRILL STEEL TOOLS

1. GOOD AIR & FLUSHING WATER SUPPLY

Compressed air must be clean and dry

Internal diam of compressed air hose to be a minimum of 25mm

Blow out compressed air hoses BEFORE connecting to rockdrill

Internal diam of flushing water hose to be a minimum of 13mm

Flush out water hoses BEFORE connecting them to rock drill

Flushing water pressure must always be 0.5 bar lower than operating air pressure.

2 LUBRICATING THE ROCK DRILL

When working, always fit the automatic line oiler PLO 20 or POB 15 in the compressed air feed line, at a maximum of 3-4 metres, (10-12ft), from the Rock Drill.

Check that oil oozes out of the chuck.

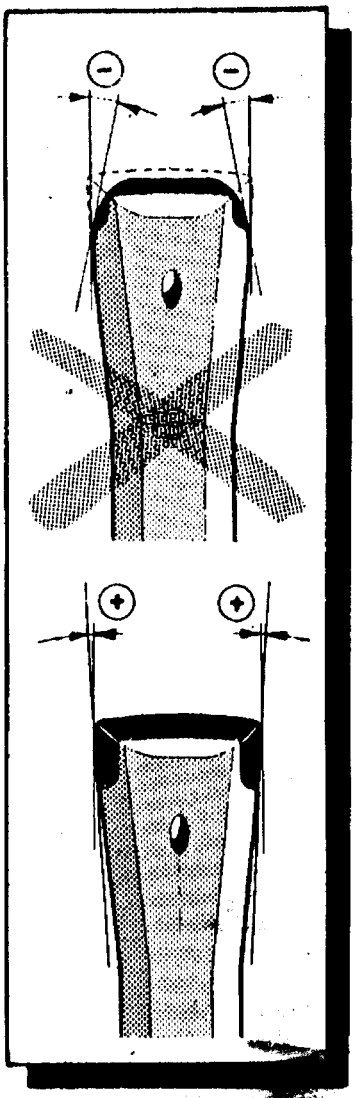
The tool collar must be covered with oil.
Adjust the quantity of oil required for this purpose by using the regulating screw on the line oiler.

NOTE The line oiler interrupts the air supply to the rock drill in the following cases:

(a) When it does not contain any more oil.

(b) When a leak occurs on the compressed air line between the line oiler and the rock drill.

Care should be taken to select the correct grade of oil depending on local conditions. Recommended oils include the MOBIL ALMO and SHELL TORCULA series.



3. TOOLS

DRILL STEELS

The shanks must be clean and Intact

Impact surfaces must be flat and perfectly square to the axis of the drill steel

Flushing holes must not be clogged

BITS

Must be properly ground
(No counter taper)

Flushing holes must be clean.