



**DOSCO OVERSEAS ENGINEERING LIMITED**

# DOSCO MULTIDRILL

**A QUICK AND COST EFFECTIVE SOLUTION FOR THE INSTALLATION OF  
STRAIGHT-LINE UNDERGROUND PIPES UP TO 610MM DIAMETER AND 100M IN LENGTH**



*The Dosco Multidrill Machine showing Bulroc HY181 DTH hammer for installing 610 mm diameter pipes*

## **FEATURES**

- No surface disruption makes it ideal for through hole drilling and setting of casings under roads, buildings, rivers, railways etc.
- The ingenious design of the Multidrill means it can excavate through a wide range of grounds including boulders, hard rock, flints etc.
- Able to dig straight pipelines of up to 100m length
- Compact design means only a small launch pit is required
- Simple to set up and operate.
- Custom made to suit your requirements.

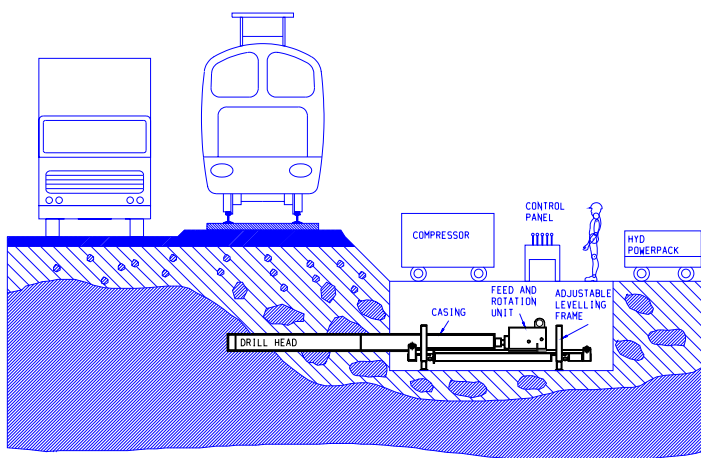


***YOUR PARTNER  
FOR ALL ROUND QUALITY AND RELIABILITY***





*The Dosco Multidrill Machine*



*Section through a typical drilling application*

#### **APPLICATIONS include**

- *Through hole drilling and setting of casings under motorways, paved areas, buildings, rivers, railways, etc.*
- *Sewage and other pipeline replacement by simultaneously drilling out the old pipe and setting new.*
- *Work in environmentally sensitive areas*
- *Pile and anchor drilling*
- *Ground stabilisation and slope control*
- *Casing of oil and water well holes*

## **General Description**

The Dosco Multidrill machine comprises of a hydraulically operated frame which initially launches the percussive hammer. Pipe lengths of 3 or 6 metre long are welded (in the case of steel) to the previous pipe. The maximum length of finished pipe is 100 metres.

The lifting and lateral positioning cylinders allow the hammer to be pointed in the correct direction and position. A hydraulic motor and gearbox within the launch frame rotates the drill head via an auger which removes material from the face.

The drill head consists of a ring bit system which is chucked to a percussive air hammer using conventional air flushing.

The Dosco Multidrill ensures that the face is fully supported at all times (except in the presence of a void filled with running sand silt or water) thus almost eliminating the possibility of collapse.

A big advantage is its compact size which means only a small launch pit is required. No thrust wall is needed as the percussive air hammer pulls the casing forward even in overburden conditions.

The Dosco Multidrill comprises of the following components:

- a) Launch frame
- b) Drill head
- c) Drill Rods or Augers
- d) Control Console
- e) Powerpack

Also required for operation are an electrical supply and compressed air supply (not supplied).

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**PLEASE NOTE – Data is intended as a guide only as machines may vary according to specification requirements.**



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