



TM1800

SERIES

MIXED GROUND TUNNELLERS



TM1800 series fitted with loading arm and face rams

TM1800 OUTLINE DATA	TYPICAL SPECIFICATION
Outside Diameter	From 2.2 m to over 5 m
Total Power (Standard Machine)	From 160 kW
Power on Cutting Boom (Standard Machine)	From 60 kW
Hydraulic System Working Pressure	345 bar

- ADVANTAGES**
- *Open face, allowing access*
 - *Ability to selectively excavate varying strata*
 - *An in-built loading arm for ease of gathering cut material*
 - *Various tunnel lining methods can be used*

Excavated material is transported from the work face by a conveyor. This conveyor commences in the toe of the tunnel shield, passes beneath the excavator and is then elevated to the roof of the tunnel where it passes over the segment transporter and muck skips. The conveyor overlap can be designed to allow a train of segments, grout and muck skips, sufficient for one cycle of advance.



YOUR PARTNER
FOR ALL ROUND QUALITY AND RELIABILITY





TM1800 being installed

OPTIONS include:

- **Profile Control Guidance Systems** - Electronic control of profile cut eliminating overbreak and reducing driver fatigue.
- **Dust Extractor** – on board equipment to remove dust from heading
- **Cutting Head Choice** – various designs to suit strata conditions
- **Ring/Segment Erector**
- **Grouting Equipment**
- **Closed Water Cooling System**
- **Gas Detection Systems**



TM1800 at work



TM1800 with underslung boom



TM1800 back-up system testing

The back-up system is mounted on sledges which are towed behind the excavation unit. These sledges carry the conveyor supports, power pack, electrical control equipment, boost pump and rail tracks for transportation of debris/materials.

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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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