

Slurry Shield TBM
MTS 3000
FOR SALE



Description :

For sale TBM Slurry Shield - Boring Diameter 3140 mm

Manufacturer:	MTS, Germany
Type:	Mixed Ground
Model:	MTS3000 TBM - Slurry 30C
Year of Manufacture:	2010
Excavation Mode	Slurry
Outside Diameter (OD):	3090 mm
Length:	75 m
<u>Main Drive</u>	
Type of Main Drive	Hydraulic driven
Motor:	1
Installed Power:	300 kW
Constant Torque:	780 kN
<u>Cutter Head</u>	
Cutter Head Revolution:	0 - 11 RPM
Turn Direction:	Left / Right
cutting tools type for mixed ground	Cone Crusher, Disk Cutter, Knife, Scraper
Excavation Diameter	3140 mm
Maximum Capacity Per Tool	150 kN
<u>Thrust System</u>	
Number of Main Cylinder	12
Maximum Thrust of Main Cylinder	10.200 kN @ 340 bar
Number of Steering Cylinder	3
Maximum Thrust of Steering Cylinder	7.238 kN @ 300 bar

Shield

Outer Diameter of Front Shield	3090 mm
Outer Diameter of Outer Middle Shield	3090 mm
Outer Diameter of Tail Shield	3080 mm

Muck Transportation

Slurry Pump:	Warman Gravel Pump
Slurry Line :	8"
Type:	Electric drive, variable speed, reversible
Electrical Power of Muck Conveyor:	160 KW

Electrical System

Number of Transformers :	1
Total Installed power	650 kW
Primary Voltage :	20000 V

Prefabricated Concrete Segments

Segment Type:	Tetragonal
Outside Diameter	2840 mm
Inside Diameter	2440 m
Length	1000 mm
Configuration	5 + Key

Prefabricated Concrete Segments

Ring Erection Time:	15 min
Boring Stroke:	1 m
Maximum Advance Rates:	1 meters per hour
Gas Detection System:	Included
Guidance System:	Included
Compressed Air System:	Included
Ventilation System:	Included
Industrial Water System:	Included
Dewatering System:	Included
Grot Injection Pump:	Included