BM 400 - COST-EFFECTIVE SOLUTION FOR SMALL DIAMETER PIPEJACKING

DESCRIPTION

The BM 400 is an auger drilling rig for accurate installation of small diameter sewers (OD 279 mm, 368 mm, 419 mm and 560 mm are standard, OD_{max} is 620 mm) in displaceable soils out of circular shafts Ø 2000 mm ID.

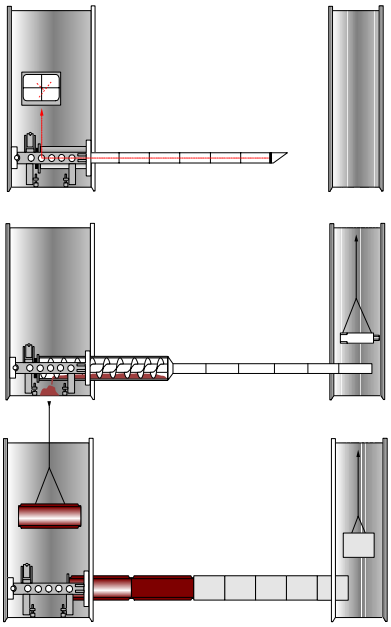
FEATURES:

- accurate drives up to 70 m
- short set-up time
- easy to use
- competitive - even with open cut
- optional groundwater equipment can handle 3 - 4 m water on top of the pipe
- can be operated from Ø 2000 mm launch shafts(1 m product pipes)
- frame extensions of 2 m and 3 m allow installation of pipes up to 6 m unit length
- steering principle: PILOT / GROUNDWATER PILOT

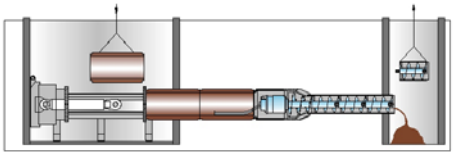
STANDARD METHOD OF OPERATION

Assisted by pilot pipes equipped with optical passage, pilot head, and theodolite with CCD camera and monitor, open-open directionally controlled drilling can be carried out in displaceable soil.

The pilot pipe is thrust through the ground and into the target hole. The direction and tilt are monitored throughout the process. Precision-targeted drilling oriented toward the pilot pipe by means of steel casings ensues, followed by follow-up insertion of the product pipes. Alternatively an extension kit with a direct engine will be connected. While jacking the product piping, soil excavated at the extension kit will be transported in to the target shaft by turning the auger in a counterclockwise direction.



Alternatively:



BM 400	TECHNICAL DATA
JACKING FORCE	1.000 kN
Pulling force	500 kN
TORQUE	12.000 Nm
SPEED	30/120 rpm
HYDRAULIC PRESSURE	up to 320 bar
STROKE	2 x 600 mm
WEIGHT	2.000 kg
DIMENSIONS (l/w)	2,0m / 1,20m
LAUNCH SHAFT	CIRCULAR Ø 2000 mm RECTANGULAR 2000 mm
DRIVE LENGTH	Up to 70 m
MAX. PIPE Ø (OD)	620 mm
STANDARD PIPE Ø (OD)	279 mm 368 mm 419 mm 560 mm