



## **SOFT GROUND MICROTUNNELING MACHINE FOR GUIDED & UN-GUIDED DRILLINGS BM400LS**



### **SPECIFICATIONS**

- Jacking Force: 150 (tons)
- Torque: 14,751.22 (lbf)
- Retraction force: 75 (tons)
- Augering Speed: 18 to 72 (rpm)
- Hydraulic stroke of Gearbox Movement: 9.8"
- Force of Gearbox Movement: 56,202.24 (lbf)
- Hydraulic Pressure: 4,641.20 (psi)
- Hydraulic Cylinder Stroke: 23.62"
- Weight of Unit: 6,380 (lbs)

### **DIMENSIONS of Frame**

- Length: 7.38' + the desired pipe length
- Width: 5'
- Launch Shafts size varies with pipe length

### **1. Main Application:**

- Line & Grade Accurate Auger Bores with guidance system, CCTV Monitored, Completed in three phase Procedure.

### **2. Machine Capabilities:**

- Installation Pipe Diameters (Max 36" OD)
- Capable Drive Lengths (up to 400'LF)

### **3. Ground and Water Conditions:**

#### **UN-GUIDED**

- Able to work in all soils conditions
- Able to work in rock up to consistency of FZ2 Class. FZ 2 according to DIN 18319

#### **GUIDED**

- Able to work in Displaceable Soils of the classes LNE 1 to 3, LNW 1 to 3, LBM 1 to 3 as well as LBO 1 to 3 According to DIN 18319. Also under ground water conditions.

### **4. Limitations:**

- Single Stones up to approximately 3.15" to 4.7" can be displaced by the pilot rod (if the surrounding Ground has a loose consistency) or can be transported while jacking.

