GRUNDOMAT®
HORIZONTAL BORING TOOL

Fast, Efficient, Effective Trenchless Technology

With Grundomat® piercing tools, crews can bore accurately from 50 to 150 feet in length, while pulling in a wide variety of new pipe materials. Twelve models of Grundomat piercing tools are available in sizes from 1 ³⁄₄ inches to 7 inches in diameter. All Grundomat piercing tools feature a reciprocating stepped head for superior accuracy. Save time, money and manpower with Grundomat piercing tools.

Add percussive force with a GRUNDOMAT piercing tool in combination with the GRUNDOTUGGER to help increase bursting power. Simply reverse the GRUNDOMAT tool to back it out of the pipe—a proven method since the early 1970’s.

GRUNDOMAT® Typical Setup

The Grundomat requires minimal operating space and is easily launched by hand or from a starting cradle.

GRUNDOMAT® Tool Specifications

- 45 P 1 3/4 GP0450032 07076917 07060417 39 20 12 580
- 55 P 2 GP0550031 07076920 07060120 43 32 18 480
- 65 PK 2 1/2 GKP0650030 07076924 07060424 41 40 23 640
- 65 P 2 1/2 GP0650030 07076926 07060426 52 55 25 460
- 75 PK 3 GKP0750031 07076929 07060429 49 62 28 460
- 75 P 3 GP0750031 07076930 07060430 57 75 32 400
- 85 PK 3 1/3 GKP0850028 07076933 07060433 53 88 25 480
- 85 P 3 1/3 GP0850030 07076934 07060434 61 101 32 390
- 95 P 3 3/4 GP0950030 07076937 07060437 68 143 53 320
- 95 PK 3 3/4 GKP0950030 07076939 07060439 60 123 46 360
- 100 P 4 GP1000025 07076940 07060440 68 148 53 320
- 110 P 4 1/4 GP1100030 07076943 07060443 66 212 64 325
- 130 P 5 GP1300028 07076950P 07060450P 69 258 92 340
- 145 P 5 3/4 GV1450030 07076957P 07060457P 78 370 120 310
- 160 P 6 1/4 GV1600030 07076960P 07060460P 79 437 159 320
- 180 P 7 GV1800030 07076970P 07060470P 87 573 159 280

GRUNDOTUGGER®
LATERAL PIPE BURSTING SYSTEM

Pipe bursting laterals has never been easier. The GRUNDOTUGGER® gives you the power to burst and replace laterals, up to 150 feet and more, in a package that’s portable and simple to use. Replace size for size or upsize! TT Technologies backs each GRUNDOTUGGER with over 45 years of trenchless experience.

THE PROFITABLE TRENCHLESS SYSTEM
GRUNDOTUGGER®
TRENCHLESS LATERAL REPLACEMENT

WITH THE NEW GRUNDOTUGGER YOU CAN:
• Replace laterals without costly trenches and restoration
• Negotiate turns and bends up to 45°
• Fuse pipe as you burst
• Burst using low pressure hydraulics

GRUNDOTUGGER EXCLUSIVE FEATURES:
• No component over 75 pounds
• Mini-excavator mounting system and power supply
• GRUNDOMAT® piercing tools can assist in difficult soils
• Quick-lock and bolt-on bursting heads easily installed
• Strongest cable-to-bursting head connection available
• No gripping teeth for longer cable life
• Superior field support

GRUNDOTUGGER EXCLUSIVE FEATURES:
• 4-inch and 6-inch Bursting Heads (IPS or DIPS)
• Combination 4-inch and 6-inch Fusion Equipment
• Grundotugger® Winch Unit
• 3/4-inch Winch Cable
• Extraction Cage
• 20HP to 27HP Gas Power Packs
• Special Bursting Heads
• Patented Low Pressure

TYPICAL SETUP
1. Only minimal excavations (launch and exit pits) are needed at each end of the lateral line to facilitate use of the Grundotugger Static bursting system.
2. Once the launch and exit pits are prepared, the Grundotugger unit is placed in the exit pit and connected to a hydraulic power pack.
3. At the launch pit, the winch cable is rodded through the existing line to the exit pit. The bursting head is attached to the new pipe and connected to the winch line.
4. The Grundotugger unit pulls winch line, the bursting head and new pipe through the existing lateral. This burrs the old lateral, forcing the fragments into the surrounding soil while pulling in the new pipe.
The GRUNDOTUGGER® system is ideal for 4-inch and 6-inch lateral upsize or replacement.

**System Components:**
- 4-inch and 6-inch Bursting Heads (IPS or DIPS)
- Combination 4-inch and 6-inch Fusion Equipment
- GRUNDOMAT® Winch Unit
- 3/4-inch Winch Cable

**Also Available:**
- Extraction Cage
- 20HP to 27HP Gas Power Packs
- Special Bursting Heads

**GRUNDOTUGGER® is Fast:**
- Flow Speed @ 3000 psi max.
  - 5 gpm = 3.0 ft/min
  - 10 gpm = 5.6 ft/min
  - 15 gpm = 8.0 ft/min

**Total Installed Weight is 301 lbs.**

**Low Pressure**
- Lower hydraulic pressure (3,000 psi max) adds safety and allows a skid steer or mini-excavator power supply.

**Patent Pending**
- Bursting Heads
  - Bursting heads for 4- and 6-inch IPS or DIPS pipe are included with each system. Bolt-on expanders and quick-lock grip style expanders available.

**Bursting Heads**
- Bursting heads for 4- and 6-inch IPS or DIPS pipe are included with each system. Bolt-on expanders and quick-lock grip style expanders available.

**Quick-lock Grip Expander**
- A non-serrated gripping system also protects the cable.

**Power Rocker**
- Pulling on a larger radius protects the cable from premature wear and ensures longer life.

**Stabilizer Plate**
- A bottom stabilizer plate eliminates additional blocking in soft soils.

**TYPICAL SETUP**

1. **HDPE Pipe**
   - Bursting Head
   - Extraction Cage
   - Old Pipe
   - GRUNDOTUGGER Assembly

2. **Power Pack**
   - HDPE Pipe
   - Bursting Head
   - Extraction Cage

3. **At the launch pit,**
   - The winch cable is rodded through the existing line to the exit pit.
   - The bursting head is attached to the new pipe and connected to the winch line.

4. **The Grandtugger unit pulls winch line,**
   - The bursting head and new pipe through the existing lateral.
   - This burrs the old lateral, forcing the fragments into the surrounding soil while pulling in the new pipe.
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With Grundomat® piercing tools, crews can bore accurately from 50 to 150 feet in length, while pulling in a wide variety of new pipe materials. Twelve models of Grundomat piercing tools are available in sizes from 1 ³⁄₈ inches to 7 inches in diameter. All Grundomat piercing tools feature a reciprocating stepped head for superior accuracy. Save time, money and manpower with Grundomat piercing tools.

**GRUNDOMAT Typical Setup**
- Gas Service Lines
- Water Services
- Irrigation Systems
- New Sewer Laterals
- Electrical Conduit
- Drainage Pipes
- Pipe Extraction

**GRUNDOMAT Tool Specifications**

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<th>Extension Packages</th>
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