VERSATILITY 
FOR ANY APPLICATION

Six models are available:

<table>
<thead>
<tr>
<th>Description</th>
<th>Diameter Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini-400G</td>
<td>4-inch &amp; 6-inch bursting</td>
</tr>
<tr>
<td>800G</td>
<td>6-inch &amp; 8-inch bursting</td>
</tr>
<tr>
<td>1225G</td>
<td>8-inch through 10-inch</td>
</tr>
<tr>
<td>1900G</td>
<td>10-inch through 12-inch</td>
</tr>
<tr>
<td>2500G</td>
<td>12-inch through 16-inch</td>
</tr>
</tbody>
</table>

Pipe Size Ranges 4”–48”

Specifications subject to change at any time.

GRUNDOBURST®
STATIC PIPE BURSTING SYSTEM

The GRUNDOBURST: Innovation & Power

With decades of pipe bursting experience, TT Technologies has produced the most advanced and capable line of static bursting equipment available today, the GRUNDOBURST. The self-contained, hydraulically operated GRUNDOBURST is extremely versatile with the capability to burst a wide range of host pipes, including ductile iron and steel. In addition, the GRUNDOBURST can install various product pipe materials such as ductile iron, fusible PVC, HDPE and clay.

The system’s innovative design features save time and money. The GRUNDOBURST is easy to set up and operate. Minimal crews can burst and replace substantial lengths of pipe in a short amount of time. And because the system is trenchless, considerable trench work and costly restoration can be avoided.

Pipe Size Ranges 4”–48”

Rig size L x W x H (in) 56 x 22 x 20 24 x 20 x 14 47 x 29 x 26 91 x 43 x 34 112 x 45 x 39

Weight (lbs) 1,735 441 6,960 7,379 8,059

Thrust at 250 bar (lbs) 61,002 24 x 20 x 14

Pull back at 250 bar (lbs) 89,924 170,878 288,867 427,137 573,263

Effective rod length (in) 28 18.5 29.5 66.9 86.8

Rod diameter (in) 2.13 2.13 2.95 3.94 4.72

Rod weight (lbs) 16.5 11 28.7 47.2 55.7

Grundoburst Specifications

Grundoburst 400G Grundoburst Mini-400G Grundoburst 800G Grundoburst 1250G Grundoburst 1900G Grundoburst 2500G

Data/Description Grundoburst Grundoburst Grundoburst Grundoburst Grundoburst Grundoburst

Pipe Size Ranges 4”–48”

Motor Diesel Diesel Diesel Diesel Diesel Diesel

Output 74 hp at 2300 rpm 74 hp at 2300 rpm 74 hp at 2300 rpm 74 hp at 2300 rpm 74 hp at 2300 rpm 74 hp at 2300 rpm

Hydraulic Pressure max. (psi) 3,626 3,626 3,626 3,626 3,626 3,626

Oil flow (gpm/min) 0 - 25 0 - 25 0 - 50 0 - 45 0 - 55 0 - 75

Effective rod length (in) 28 18.5 29.5 66.9 86.8 86.8

Rod diameter (in) 2.13 2.13 2.95 3.94 4.72 5.51

Rod weight (lbs) 16.5 11 28.7 47.2 55.7 55.7

Size L x W x H (in) 55 x 26 x 63 55 x 26 x 63 58 x 28 x 73 56 x 30 x 73 65 x 33 x 85 106 x 55 x 95

The system’s innovative design features save time and money. The GRUNDOBURST is easy to set up and operate. Minimal crews can burst and replace substantial lengths of pipe in a short amount of time. And because the system is trenchless, considerable trench work and costly restoration can be avoided.
THE STATIC METHOD

During the static bursting process, QuickLock® bursting rods are pushed through the host pipe with the GRUNDOBURST, until they reach the launch pit. Once at the launch pit, the bladed cutting rollers, bursting head, expander and new pipe are attached. The entire configuration is pulled back through the host pipe. The bladed cutting rollers split the existing line. The bursting head and expander displace the fragmented host pipe into the surrounding soil while the new pipe is pulled in simultaneously.

MULTIPLE PIPE OPTIONS, MULTIPLE APPLICATIONS

The GRUNDOBURST static pipe bursting system is having a tremendous impact on the water, sewer and gas industries. Its innovative design features help contractors save time and money. There are six models available ranging in pullback force from 100,000 lbs. to 600,000 lbs. GRUNDOBURST models are designed for bursting 4-inch through 48-inch diameter pipe and larger.

The Grundoburst has the ability to burst a wide range of host pipe materials. In addition it can install various product pipe materials such as ductile iron, flexible PVC, HDPE and clay. That versatility makes the Grundoburst ideal for multiple pipe replacement applications, as well as jobsite situations and specific requirements.

QuickLock Flexibility: An Added Capability

QuickLock Bursting Rods link together to form a flexible chain. This gives the configuration a minimum bend radius of almost 165 feet. This allows the GRUNDOBURST to work around offset pipe bends and joints where standard screw-together stem systems can’t.

QuickLock Bursting Rods

The unique cutting wheel/roller configuration is an essential part of the GRUNDOBURST’s success. The bladed wheels actually split the host pipe instead of ripping or tearing it like single fin-type static systems.

The bladed wheel system is a very “clean” process that requires less power than other static systems and helps prevent potential damage to the product pipe. Various bladed rollers are available to split a wide range of pipe types and diameters.

Flexible Guide Rod and Push Blade

The flexible guide rod helps ensure smooth installation of the QuickLock rods through the host pipe. For smaller diameter pipe, a pushing blade is used to split the host pipe first allowing the QuickLock bursting rods to be installed without resistance.
THE STATIC METHOD

During the static bursting process, QuickLock® bursting rods are pushed through the host pipe with the GRUNDOBURST, until they reach the launch pit. Once at the launch pit, the bladed cutting rollers, bursting head, expander and new pipe are attached. The entire configuration is pulled back through the host pipe. The bladed cutting rollers split the existing line. The bursting head and expander displace the fragmented host pipe into the surrounding soil while the new pipe is pulled in simultaneously.

The QuickLock bursting rods can be quickly removed one at a time at the exit as bursting is in operation, or, if the run is divided, the QuickLock rods can be installed into the next run as the first run is being completed.

MULTIPLE PIPE OPTIONS, MULTIPLE APPLICATIONS

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THE GRUNDOBURST SYSTEM

Patented QuickLock bursting rods offer distinct advantages over standard screw-together stem systems:

- Easy and secure connection
- Self-aligning rods
- Virtually no cleaning, lubricating or maintenance
- Faster connection than screw-type rods
- Less wear than screw-type rods

Loading of the bursting rods is significantly easier and safer than thread screw-together stems as well. The GRUNDOBURST system employs a non-slip braking system to keep the QuickLock rods stable and properly positioned at all times. Threaded systems utilize a jaw assembly that allows stems to slip and move without warning. Plus with a stem system there is always the danger of thread joint overload and excessive wear on the jaw assembly increases the chances for breakdown and maintenance.

QuickLock Flexibility: An Added Capability

QuickLock Bursting Rods link together to form a flexible chain. This gives the configuration a minimum bend radius of almost 165 feet. This allows the GRUNDOBURST to work around offset pipe bends and joints where standard screw-together stem systems can’t.

The unique bladed cutting wheel/roller configuration is an essential part of the GRUNDOBURST’s success. The bladed wheels actually split the host pipe instead of ripping or tearing it like single fin-type static systems.

The bladed wheel system is a very “clean” process that requires less power than other static systems and helps prevent potential damage to the product pipe. Various bladed rollers are available to split a wide range of pipe types and diameters.

THE STATIC METHOD

- Install a wide range of product pipes
- Burst ductile iron & steel pipes and more
- QuickLock bursting rods
- Shallow bursting possible
- Burst in both directions

Multiple Pipe Options, Multiple Applications

- No winch required
- Automatic thrust and pullback
- Fast set up
- Easily transported

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VERSATILITY FOR ANY APPLICATION

Six models are available:

**Mini-400G** 4-inch & 6-inch bursting

**400G** 4-inch & 6-inch bursting

**800G** 6-inch & 8-inch bursting

**1250G** 6-inch through 20-inch

**1900G** 10-inch through 32-inch

**2500G** 20-inch through 48-inch

Pipe Size Ranges 4”–48”


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### Specifications

- **Mini-400G**
  - Pipe size: 4” & 6”
  - Thrust: 110 lbs
  - Weight: 650 lbs

- **400G**
  - Pipe size: 4” & 6”
  - Thrust: 220 lbs
  - Weight: 1300 lbs

- **800G**
  - Pipe size: 6” & 8”
  - Thrust: 450 lbs
  - Weight: 2600 lbs

- **1250G**
  - Pipe size: 6” through 20”
  - Thrust: 1000 lbs
  - Weight: 5200 lbs

- **1900G**
  - Pipe size: 10” through 32”
  - Thrust: 2200 lbs
  - Weight: 7800 lbs

- **2500G**
  - Pipe size: 20” through 48”
  - Thrust: 4400 lbs
  - Weight: 15600 lbs

**Additional Specifications**

- **Motor**
  - Diesel
  - Output: 74 hp at 2300 rpm

- **Hydraulic Power Unit**
  - Output: 74 hp at 2300 rpm
  - Hydraulic pressure max. (psi): 3600
  - Oil flow (gal/min): 0.25
  - Oil tank capacity (gal): 24
  - Diesel tank capacity (gal): 12
  - Size L x W x H (in): 55 x 28 x 63

**Contact Information**

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