Company Overview

BurSpetsTekhnika LLC is a supplier of drilling solutions having a ten-year experience in manufacturing of special equipment. We have been producing exploration drilling rigs since 2005.

Our compact-size hydraulic and electric drilling rigs, mobile drilling machines, auger trucks, screw pile drivers and construction drilling equipment are designed for water drilling, construction, repair and maintenance of power transmission and communications lines, construction of pile foundations and associated works. Applications: power industry, gas and oil industry, road industry and public utilities, industrial and civil construction, construction of bridges and other structures in Extreme North, Far East and ever frost environment at extremely low temperatures.

BST qualified specialists are able to handle any technical challenges and offer unique engineering solutions tailored to ever-growing needs of the customers.

Reliability and high quality of machines have been proved by long-term operation experience in electric power systems of both Russia and foreign countries, at construction, oil and gas, road and public utilities facilities.

Innovations. Since 2008, high performance mobile drilling rigs intended for different pile foundation works have been added to our product range. We offer state-of-the-art engineering solutions that allow our clients to optimize their operating expenses and increase their competitive ability.

Trust of partners. Today, over 300 Russian and foreign companies are doing business with BST.

Delivery

BST supplies the drilling machines to clients throughout the world, including Africa, Asia, South and North America. Over the years, we have established strong and trust-based relationships both with freight companies and private carriers.

For shipment cost details, please contact our specialists by requesting a call or leaving an application at www.drive-rig.com.

You can calculate shipment costs using calculators of the following companies:

<table>
<thead>
<tr>
<th>DHL</th>
<th>INSTAR LOGISTICS</th>
<th>DPD</th>
</tr>
</thead>
</table>

If you have any shipment preferences, please let us know. We will do our best to offer you the most convenient delivery method.

## Contents:

- **Company Overview** .............. 2
- **Exploration Drilling Rigs**
  - URB-2A2 .......................... 3
  - URB-2D3 .......................... 3
  - URB-MTV .......................... 4
  - URB-MSN .......................... 4
  - PBU .......................... 5
  - CFA-800 .......................... 5
- **Self-propelled Drilling Rigs**
  - SBU URB MINI ...................... 6
  - SBU-60LS .......................... 6
  - SBU-80LS .......................... 7
  - SBU-24LS .......................... 7
- **Trailer Mounted Drilling Rigs**
  - GBU-60L ...................... 8
  - GBU-80L ...................... 8
  - GBU-24L ...................... 9
  - GBU-15L ...................... 9
- **Portable Drilling Rigs**
  - 24LP ........................ 10
  - 15LP ........................ 10
  - Electro-M1 ...................... 11
  - YAMOBUR-M2 ...................... 11
- **Construction Drilling Equipment**
  - SVAIKRUT-80LS ...................... 12
  - SVAIKRUT-24L ...................... 12
  - SVAIKRUT-4M ...................... 13
  - CPT Device ...................... 13
  - PPM-100 ...................... 14
  - WPM-100 ...................... 14
  - HDD-100 ...................... 15
  - HDD-300 ...................... 15

<table>
<thead>
<tr>
<th>Warranty &amp; free training</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Additional drilling equipment &amp; tools</strong></td>
<td>17</td>
</tr>
<tr>
<td><strong>Training</strong></td>
<td>18</td>
</tr>
<tr>
<td><strong>Clients Feedback</strong></td>
<td>20</td>
</tr>
</tbody>
</table>

## Exploration Drilling Rig URB-2A2

_Exploration Drilling Rig URB-2A2_

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

**Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz.**

This drilling machine is intended for rotary drilling of boreholes. Air drilling (compressor is installed), wet drilling (drill pump is installed), auger and combined drilling are also possible. Due to fast changeover between drilling modes, it is possible to operate in a combined mode (auger drilling followed by wet or air drilling).

### Specifications:

<table>
<thead>
<tr>
<th>Rig type</th>
<th>Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz and is driven by the truck engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque</td>
<td>4000 N·m</td>
</tr>
</tbody>
</table>
| Drilling depth | Wet drilling — 300 m  
Air drilling — 200 m  
Auger drilling — 45 m |
| Weight   | Up to 10,500 kg                                                                                  |
| Warranty | 1 year                                                                                           |

## Exploration Drilling Rig URB-2D3

_Exploration Drilling Rig URB-2D3_

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

**Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz.**

This drilling machine is intended for rotary drilling of boreholes. Air drilling (compressor is installed), wet drilling (drill pump is installed), auger and combined drilling are also possible. Due to fast changeover between drilling modes, it is possible to operate in a combined mode (auger drilling followed by wet or air drilling).

### Specifications:

<table>
<thead>
<tr>
<th>Rig type</th>
<th>Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz and is driven by the truck engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque</td>
<td>4000 N·m</td>
</tr>
</tbody>
</table>
| Drilling depth | Wet drilling — 300 m  
Air drilling — 200 m  
Auger drilling — 45 m |
| Weight   | Up to 10,500 kg                                                                                  |
| Warranty | 1 year                                                                                           |
**Exploration Drilling Rig URB-MTV**

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

Drilling rig is mounted on multipurpose towing vehicle chassis (MTV) and is driven by the MTV engine.

**Specifications:**
- **Rig type**: Drilling rig is mounted on multipurpose towing vehicle (MTV) and is driven by the MTV engine
- **Torque**: 2010 N·m
- **Drilling depth**: Wet drilling — 300 m
  Air drilling — 200 m
  Auger drilling — 30 m
- **Weight**: Up to 8,100 kg
- **Warranty**: 1 year

This drilling machine is intended for rotary drilling of boreholes. Air drilling (compressor is installed), wet drilling (drill pump is installed), auger and combined drilling are also possible. Due to fast changeover between drilling modes, it is possible to operate in a combined mode (auger drilling followed by wet or air drilling).

**Exploration Drilling Rig URB-MSN**

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

Drilling rig is mounted on track skidder MSN-10 and is driven by the MSN-10 engine.

This drilling machine is intended for rotary drilling of boreholes. Air drilling (compressor is installed), wet drilling (drill pump is installed), auger and combined drilling are also possible. Due to fast changeover between drilling modes, it is possible to operate in a combined mode (auger drilling followed by wet or air drilling).

**Specifications:**
- **Rig type**: Drilling rig is mounted on track skidder MSN-10 and is driven by the MSN-10 engine
- **Torque**: 2010 N·m
- **Drilling depth**: Wet drilling — 300 m
  Air drilling — 200 m
  Auger drilling — 30 m
- **Weight**: Up to 8,100 kg
- **Warranty**: 1 year

**Exploration Drilling Rig PBU**

Drilling rig PBU with the motor-driven sliding rotator is intended for cable-tool drilling with use of drive cups and core samplers, core and dry / fluid-circulation / air full-hole noncore drilling, percussion rotary drilling, auger drilling; also this drilling rig is used for cone penetration testing (CPT) and standard penetration testing (SPT).

Drilling rig is mounted on wheel bases - Ural, KamAZ, IVECO, MAN, Mercedes-Benz; tracked chassis - MTV, MSN-10; as well as on skid. The drive options - from the deck engine or from the transportation base.

**Specifications:**
- **Rig type**: Drilling rig is mounted on wheel bases - Ural, KamAZ, IVECO, MAN, Mercedes-Benz; tracked chassis - MTV, MSN-10; as well as on skid. The drive options - from the deck engine or from the transportation base.
- **Starting drilling diameter, max**: 400 mm
- **Torque**: 5000 N·m
- **Drilling depth**:
  - Wet drilling — 120 m
  - Air drilling — 100 m
  - Auger drilling — 60 m
  - Cable-tool drilling — 60 m
- **Weight**: Up to 11,100 kg
- **Warranty**: 1 year

**Continuous Flight Auger Drilling Rig CFA-800**

CFA Drilling rig is used for drilling of boreholes with 800 mm diameter in formations with I-V categories, for power transmission lines supports, pile foundations. The feed mechanism is the chain drive. It ensures feed and hoisting of the tool.

Special protective socket prevents the borehole mouth against backfilling during drilling. Also it is required to clean the hole from the soil after completion of work during transition of the mast to the transport position.

Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz and is driven by the truck engine.

**Specifications:**
- **Rig type**: Drilling rig is mounted on Ural, KamAZ, IVECO, MAN, Mercedes-Benz and is driven by the truck engine.
- **Torque**: 16 000 N·m
- **Starting drilling diameter, max**: 800 mm
- **Drilling depth**:
  - Wet drilling — 120 m
  - Air drilling — 100 m
  - Auger drilling — 60 m
  - Cable-tool drilling — 60 m
- **Weight**: Up to 10,600 kg
- **Warranty**: 1 year
### Self-propelled Drilling Rig SBU-URB MINI

**Specifications:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size track mounted</td>
</tr>
<tr>
<td>Torque</td>
<td>1450 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Diesel</td>
</tr>
<tr>
<td>Rig power</td>
<td>60 h.p., 120 h.p.</td>
</tr>
<tr>
<td>IC engine</td>
<td>D-144, D-245</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Double-strand chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Wet drilling — 200 m, Air drilling — 150 m, Auger drilling — 30 m</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 2000 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**Accessories:**

1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MD-1 Lube Oil Cooler (option)
6. BN-1 Drill Pump (option)

### Self-propelled Drilling Rig SBU-60LS

**Specifications:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size track mounted</td>
</tr>
<tr>
<td>Torque</td>
<td>960 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>24 h.p.</td>
</tr>
<tr>
<td>IC engine</td>
<td>VAZ-2106</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Cylinder, Chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Wet drilling — 150 m, Air drilling — 70 m, Auger drilling — 25 m (in stages)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 900 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**Accessories:**

1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MD-1 Lube Oil Cooler (option)
6. TSrK-1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)

### Self-propelled Drilling Rig SBU-80LS

**Specifications:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size track mounted</td>
</tr>
<tr>
<td>Torque</td>
<td>900 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>80 h.p.</td>
</tr>
<tr>
<td>IC engine</td>
<td>VAZ-2106</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Cylinder, Chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Wet drilling — 100 m, Air drilling — 30 m, Auger drilling — 25 m (in stages)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 800 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**Accessories:**

1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MD-1 Lube Oil Cooler (option)
6. TSrK-1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)
Trailer Mounted Drilling Rig GBU-60L

Specifications:
- Rig type: Compact-size, trailer-mounted
- Torque: 1460 N·m
- Engine type: Diesel
- Rig power: 60 h.p.
- IC engine: D-144
- Carriage drive type: Cylinder, Chain
- Drilling depth: Wet drilling — 200 m, Air drilling — 100 m, Auger drilling — 25 m (in stages)
- Weight: Up to 800 kg
- Warranty: 1 year

Accessories:
1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MO-1 Lube Oil Cooler (option)
6. TsPK-1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)

Trailer Mounted Drilling Rig GBU-80L

Specifications:
- Rig type: Compact-size, trailer-mounted
- Torque: 850 N·m
- Engine type: Gasoline
- Rig power: 15 h.p.
- IC engine: 15 h.p. Lifan, Honda, Subaru
- Carriage drive type: Cylinder, Chain
- Drilling depth: Wet drilling — 100 m, Air drilling — 30 m, Auger drilling — 25 m (in stages)
- Weight: Up to 750 kg
- Warranty: 1 year

Accessories:
1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MO-1 Lube Oil Cooler (option)
6. TsPK-1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)
### Portable Drilling Rig GBU-24LP

**Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size, portable</td>
</tr>
<tr>
<td>Torque</td>
<td>900 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>24 h.p.</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Cylinder, Chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Wet drilling — 90 m, Air drilling — 30 m, Auger drilling — 25 m (in stages)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 250 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

#### Accessories:

1. GT1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MD1 Lube Oil Cooler (option)
6. TSKP1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)

### Portable Drilling Rig GBU-15LP

**Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size, portable</td>
</tr>
<tr>
<td>Torque</td>
<td>850 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>15 h.p.</td>
</tr>
<tr>
<td>IC engine</td>
<td>15 h.p. Lifan, Honda, Subaru</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Cylinder, Chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Wet drilling — 90 m, Air drilling — 30 m, Auger drilling — 25 m (in stages)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 250 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

#### Accessories:

1. GT1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MD1 Lube Oil Cooler (option)
6. TSKP1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)

### Electric Drilling Rig Electro-M1

**Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size, portable</td>
</tr>
<tr>
<td>Rig power</td>
<td>2.2 (kW); 4 (h.p.)</td>
</tr>
<tr>
<td>Rock strength grade</td>
<td>Up to 7</td>
</tr>
<tr>
<td>Intended use</td>
<td>For soft and medium rocks</td>
</tr>
<tr>
<td>Torque</td>
<td>850 N·m</td>
</tr>
<tr>
<td>Up/down force</td>
<td>1500 / 1500 kg</td>
</tr>
<tr>
<td>Rotation speed</td>
<td>0 — 140 rpm</td>
</tr>
<tr>
<td>Auger drilling diameter</td>
<td>25 m (in stages)</td>
</tr>
<tr>
<td>Average drilling speed</td>
<td>Sand — 25.0 m/h, Clay — 12.0 m/h, Clay with layers of solid rock — 4 m/h, Solid and hard rocks — up to 1 m/h</td>
</tr>
<tr>
<td>Pull up/pull down force</td>
<td>1000/1000 kg</td>
</tr>
<tr>
<td>Speed</td>
<td>0 — 56 rpm</td>
</tr>
<tr>
<td>Max torque</td>
<td>No less than 580 N·m</td>
</tr>
<tr>
<td>Lifting speed</td>
<td>0.2 m/s</td>
</tr>
<tr>
<td>Auger drilling</td>
<td>25 m (in stages)</td>
</tr>
<tr>
<td>Max torque</td>
<td>No less than 580 N·m</td>
</tr>
<tr>
<td>Weight</td>
<td>150 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

#### Standard version:

1. Rig Casing
2. Electric Motor, 2.2 kW / 1,500 rpm
3. Reduction Gear
4. Swivel
5. Saver Sub
6. Lifting Gear
7. Pulley Block

### Hydraulic Drilling Rig YAMOBUR-M2

**Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rig type</td>
<td>Compact-size, portable</td>
</tr>
<tr>
<td>Intended use</td>
<td>For soft and medium rocks</td>
</tr>
<tr>
<td>Torque</td>
<td>850 N·m</td>
</tr>
<tr>
<td>Up/down force</td>
<td>1500 / 1500 kg</td>
</tr>
<tr>
<td>Rotation speed</td>
<td>0 — 140 rpm</td>
</tr>
<tr>
<td>Auger drilling diameter</td>
<td>25 m (in stages)</td>
</tr>
<tr>
<td>Auger drilling</td>
<td>40 — 250 mm</td>
</tr>
<tr>
<td>Full power</td>
<td>15 h.p., 17 h.p., 24 h.p.</td>
</tr>
<tr>
<td>Engine type</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Weight</td>
<td>150 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

#### Standard version:

1. Movable Mast of Rig
2. Oil Station
3. Movable carriage of rotator
5. High Pressure Hoses
**Mobile Drilling Rig**

**SVAIKRUT-80LS**

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

Drilling rig is mounted on tracked chassis with VAZ-2106 engine.

- • Perform auger drilling with a maximum diameter of 300 mm;
- • Install cast-in-place piles.

**Specifications:**

<table>
<thead>
<tr>
<th>Rig type</th>
<th>Compact-size track mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque</td>
<td>4000 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>80 h.p.</td>
</tr>
<tr>
<td>Engine type</td>
<td>VAZ-2106</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Chain</td>
</tr>
<tr>
<td>Drilling depth</td>
<td>Auger drilling — 25 m (in stages)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 900 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**Accessories:**

1. GT-1 Hydraulic Pipe Grab (option)
2. GA-2 Hydraulic Outrigger (option)
3. GR-1 Hydraulic Reduction Gear with one Hydraulic Motor (option)
4. GR-2 Hydraulic Reduction Gear with two Hydraulic Motors (option)
5. MQ-1 Lube Oil Cooler (option)
6. TsPK-1 Carriage Chain Drive (option)
7. BN-1 Drill Pump (option)

**Hydraulic Drilling Rig**

**SVAIKRUT-24L**

Designed for rotary drilling of vertical and inclined wells, drilling using auger and core drilling tools, wet and air drilling, screw pile installation, heat pump installation.

Drilling rig is mounted on trailer with Lifan 24 h.p. engine.

- • Perform auger drilling with a maximum diameter of 300 mm;
- • Install cast-in-place piles.

**Specifications:**

<table>
<thead>
<tr>
<th>Rig type</th>
<th>Compact-size, trailer-mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque</td>
<td>4000 N·m</td>
</tr>
<tr>
<td>Engine type</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Rig power</td>
<td>24 h.p.</td>
</tr>
<tr>
<td>Engine type</td>
<td>Lifan, Honda, Subaru</td>
</tr>
<tr>
<td>Carriage drive type</td>
<td>Chain</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 1000 kg</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**Standard version:**

1. Oil station with IC engine 24 h.p.;
2. High pressure hoses with quick connection;
3. Mast with carriage - fully detachable from the base;
4. Device for anchoring of the rig - hydraulic rotation mechanism;
5. Two hydraulic cylinders for penetration testing;

**CPT Device**

The most effective method of soil testing in situ is static penetration test.

The CPT device is intended to perform penetration testing with the force up to 7 tons on the principle of driving of a tool string; also it is capable to perform auger drilling with the auger diameter up to 300 mm.
The machine is intended for subsurface utility engineering (pipe conduits of various applications) by hydraulic puncture with further compaction of soil (category I-III) with opportunity to perform guided puncture of soil over a distance of 100 meters.

**Characteristics of machine:**
- compact size; the 1.2 m entry pit is required to start operation;
- transportability – it is possible to transport the machine in a station wagon;
- capacity is 500 kg;
- one person is required to perform work;
- no need of consumable materials, such as water, bentonite.

**SPECIFICATIONS:**

- **Opening diameter, max:** 350 mm
- **Guided puncture length:** 100 m
- **Forward/reverse tractive force:** 20 t / 20 t
- **Gasoline engine (Honda GX-200):** 13 h.p.
- **Carriage travel speed:** 1 m/min
- **Rod diameter:** 45 mm
- **Overall dimensions, l/w/h:** 2600/1000/500 mm

**Distinguishing features:**
- automatic feed of rods,
- quick preparation for work and simple control.

**Specifications:**
- **Opening diameter, max:** 280 mm
- **Horizontal borehole drilling length:** 100 m
- **Vertical borehole drilling length:** 100 m
- **Forward/reverse tractive force:** 2.2 t / 3.1 t
- **Tool rotation speed:** 0 — 115 rpm
- **Tool torque:** 590 N.m
- **Gasoline engine (Honda GX-390):** 13 h.p.
- **Overall dimensions, l/w/h:** 1050/550/610 mm
- **Weight with tool:** 750 kg

The HDD-300 does not require the working pit, the rig is self-propelled (crawler mounted). Rods feed and drilling processes performance are automated. The hydraulic part is assembled on the basis of Sauer-Danfoss components. The drilling rig is equipped with the adjustable-type hydraulic pumps. The controls are operated by microprocessor-controlled manipulators. Movement along the working site, ramp from the trailer are made via the remote panel connected to the rig by a 10 m cable.

**Distinguishing features:**
- hydraulic drive of the rig does not require big physical effort;
- quick preparation for work and simple control.

**Specifications:**
- **Pilot borehole diameter:** 90 mm
- **Opening diameter, max:** 650 mm
- **Drilling length, max:** 300 m
- **Tool rotation speed:** 0 — 120 rpm
- **Torque, max:** 5378 N.m
- **Forward/reverse tractive force:** 20.5 t / 20.5 t
- **Working length of drilling rod:** 3 m
- **Drilling rod diameter:** 63.5 mm
- **Q-ty of drilling rods in the drum:** 36 pc
- **Engine MTZ D-245:** 89 kW / 124 h.p.
- **Rig weight (with full drum):** 9.5 t
Standard warranty period for our products is 1 year.

Moreover, BST provides free training for you and your personnel at our testing facility.
Real-life drilling with URB-2A2 for Ghana customers

- Briefing with International Project Manager
- Watching the rig operation
- Sharing opinion about drilling process
- Discussing future plans
- Observation of drilling
- Inserting casing pipes
- Tasting water from drilled borehole
- Depth: 104 metres
- Preparation of casing pipes
- Purging of water borehole
- Russian landscapes
- Real-life drilling
- International team
- Ghana customer operating the rig
- Hug with chief driller

Roberto REYES, International Project Manager
**Client Faralina Resource SARL**  
**Republic of Guinea**  

**Date** September, 2016  
**Objective** 150 m air drilling for water well  
50 m core drilling for exploration  
**Solution** In the Republic of Guinea BST made installation of the drilling rig at the chassis provided by the Client. Comprehensive supply of drilling tool and casing pipe set.

---

**Client Andreev Petyo**  
**Bulgaria, Byala Slatina**  

**Date** October, 2017  
**Objective** Start-up of water well drilling business  
Depth: 50 m  
**Solution** Self-propelled drilling rig SBU-60M was supplied to the Client. Comprehensive supply of drilling tool for 50 m; water circulation drilling.

---

**Client from Colombia**  
**Latin America, Colombia**  

**Date** November, 2016  
**Objective** Water well drilling  
Depth: 150 m  
**Solution** Trailer mounted drilling rig GBU-80L was supplied to the Client. Comprehensive supply of drilling tool for 150 m; water circulation drilling. The Client performs step drilling, starting from Ø 150 mm and finishing with Ø 350 mm. Comprehensive supply of drilling tool for 150 m.

---

**Client Jacob Valerian**  
**Moldova, Straseni**  

**Date** October, 2016  
**Objective** Start-up of water well drilling business  
Depth: 150 m  
**Solution** Trailer mounted drilling rig GBU-80L was supplied to the Client. Comprehensive supply of drilling tool for 150 m; water circulation drilling. The Client amended the supplied drilling rig according to his needs: he removed the trailer and mounted the drilling rig on UAZ vehicle. Also he replaced the gasoline engine to the diesel engine. Now he successfully performs drilling of water wells with this upgraded machine in Moldova.

---
Client Aqua Fontana Nova Ltd & Geosmart Ltd

Bulgaria

Objective
Water well drilling
Depth: 60 m
Geological exploration: 10 m

Solution
Two drilling rigs were supplied to customers in one container: GBU-27L and GBU-27M (without a trailer).
Comprehensive supply of drilling tool for 60 m of water drilling and for 10 m of auger drilling.

Client Catwalk Cosmetic Laboratories Ltd

South Africa

Objective
Start-up of water well drilling business
Depth: 50 m

Solution
Trailer mounted drilling rig GBU-24L and Portable drilling rig GBU-24LP were supplied to the customer.
Comprehensive supply of drilling tool for 50 m of water drilling.

Office and Production Site in Russia

Drilling Equipment Plant
BurSpetsTekhnika, LLC
Chelyabinsk, Kopeyskoe shosse, 48, box 2
Dennis Romanov  Sales Engineer
+7 922 239 01 55  📞  📫
E-mail: bst.romanov@gmail.com
MADE OF RUSSIAN STEEL

www.drill-rig.com