



WE BUILD MACHINES



ABOUT US

JV “SVYATOVIT” Ltd. is a machinery construction enterprise with over 20 years of history.

Established 1997, now is a modern assembly plant with high-quality equipment and a multi-level quality control system for machines manufactured at each stage of production.

JV “SVYATOVIT” Ltd. has the quality management Certificate according to ISO 9001:2015 (Certificate Registration No.: TIC 15 100 128212, TÜV International Certification). A company ensures consistent quality of processes, products and services with ISO 9001 certification. JV “SVYATOVIT” Ltd. improves a Quality Management System for building long-lasting relationships with customers by providing value-added services throughout the product life cycle. Using ISO 9001 helps ensure that customers get consistent, good-quality products and services.

Throughout the entire period of its existence, the team of JV “SVYATOVIT” Ltd. designs, manufactures and services various types of machines.

Production of JV “SVYATOVIT” Ltd:

- Multipurpose single-bucket excavators EW-25-M1 with telescopic boom mounted on automobile chassis of various manufacturers;
- Multipurpose single-bucket excavators EW-25-M2 with classic boom mounted on automobile chassis of various manufacturers;
- Horizontal-directional drills for trenchless construction of underground utilities UNB1550 and UNB8000

Our services:

Since our foundation we have been constantly improving and developing our own production and service base.

Services provided by JV “SVYATOVIT” Ltd:

- Full-service maintenance of our production (warranty and post-warranty), including the supply of all necessary components;
- High-quality diagnostics of our equipment with the possibility of a house-call;
- Free training for people operating our equipment;
- Trade-in.

In accordance with the current quality management system all manufactured production is tested, simulating actual operating conditions.

JV “SVYATOVIT” Ltd. follows a trusting strategy aimed at uninterrupted supply and stable income of our customers. Since foundation of our company the geography of deliveries is not limited to the territory of Belarus: we have established partnerships with organizations in Russia, Ukraine, Kazakhstan, Azerbaijan, Uzbekistan and etc.

Amongst our regular customers there are large companies of the oil and gas complex, enterprises of road construction, housing and communal services, companies of general civil construction and many others.



The most important component of success is the professionalism of the team, the responsible and well-organized work of each department and each employee. The best assessment of our work is satisfaction and good reviews from organizations operating our equipment.

With us you will find professional support and a reliable partnership.

SCOPE OF USE OF SVYATOVIT EXCAVATORS

Due to its versatility, SVYATOVIT excavators are indispensable for organizations of various profiles. Our machines are exploit by following economic sectors:

OIL AND GAS INDUSTRY

- Drilling rig wells embankment
- Construction of pipeline communications
- Pipeline emergency repairs
- Arrangement of oil and gas fields
- Works during the construction and maintenance of oil and gas fields infrastructure
- Arrangement and maintenance of access roads and territories adjacent to drilling rigs
- Pipeline construction works

DAMS CONSTRUCTION AND LAND RECLAMATION

- Dams construction
- Digging pits
- Channel grading
- Reclamation systems reconstruction
- Laying drainage systems

HOUSING AND UTILITIES

- Repair work on the utility networks maintenance
- Post-accident clean-up on the utility networks
- Repair and maintenance of other communication pipes
- Excavation work in a limited space in urban settings
- Maintenance of barrage, dams, bridges, coatings and other communication systems on the water
- Rescue work in the event of natural and manmade disasters
- Destruction of buildings and structures

ROAD, BRIDGE AND TUNNEL ENGINEERING

- Excavation of soil 1-3 categories
- Roads construction, reconstruction, repair and maintenance
- Slope grading
- Submission of soil to the slope of the land in places of formation of scouring
- Removal, replacement and repair of the vegetative soil layer
- The device on the slopes of drainage facilities
- Finishing cones in bridge building
- Loading / unloading of bulk materials

GENERAL CIVIL CONSTRUCTION

- Digging pits for houses and garages
- Layout of construction sites, pits
- Loading and unloading of bulk building materials
- Planning plots in blocks of individual development
- Destruction of buildings and structures

UNIVERSAL SINGLE-BUCKET EXCAVATORS WITH TELESCOPIC BOOM ON AUTOMOBILE CHASSIS EW-25-M1

Domestically made chassis



Base chassis	MAZ 6312XX*	MAZ 6317F9	KAMAZ 43118 / KAMAZ 65111	KAMAZ 43118 (gas)	KAMAZ 65222 (gas)	URAL 4320-60 / URAL 4320-72/74
Wheel arrangement	6 x 4.2	6 x 6.2	6 x 6.1	6 x 6.1	6 x 6.1	6 x 6.1
Chassis engine (Euro 5)	YAMZ-53623, YAMZ-53603	YAMZ-6587	KAMAZ 740.705-300	KAMAZ 820.92-300	KAMAZ 820.93-320	YAMZ-65674 / YAMZ-53623, YAMZ-53613
Transport speed, km/h	60	60	60	60	60	60
Dimensions at transport mode, mm						
Height, mm	4 000	4 000	4 000	4 000	4 000	4 000
Length, mm	9 300	10 300	9 900	9 600	10 200	9 800 / 9 900
Width, mm	2 500	2 550	2 550	2 550	2 550	2 550
Gross weight, kg	23 100	25 000	21 600 / 21 700	22 500	25 000	22 200 / 22 500
Front axle, kg	6 500	7 200	5 800 / 6 000	6 500	7 760	6 200 / 6 250
Rear axle, kg	16 600	17 800	15 800 / 15 700	16 000	17 240	16 000 / 16 250

Imported chassis



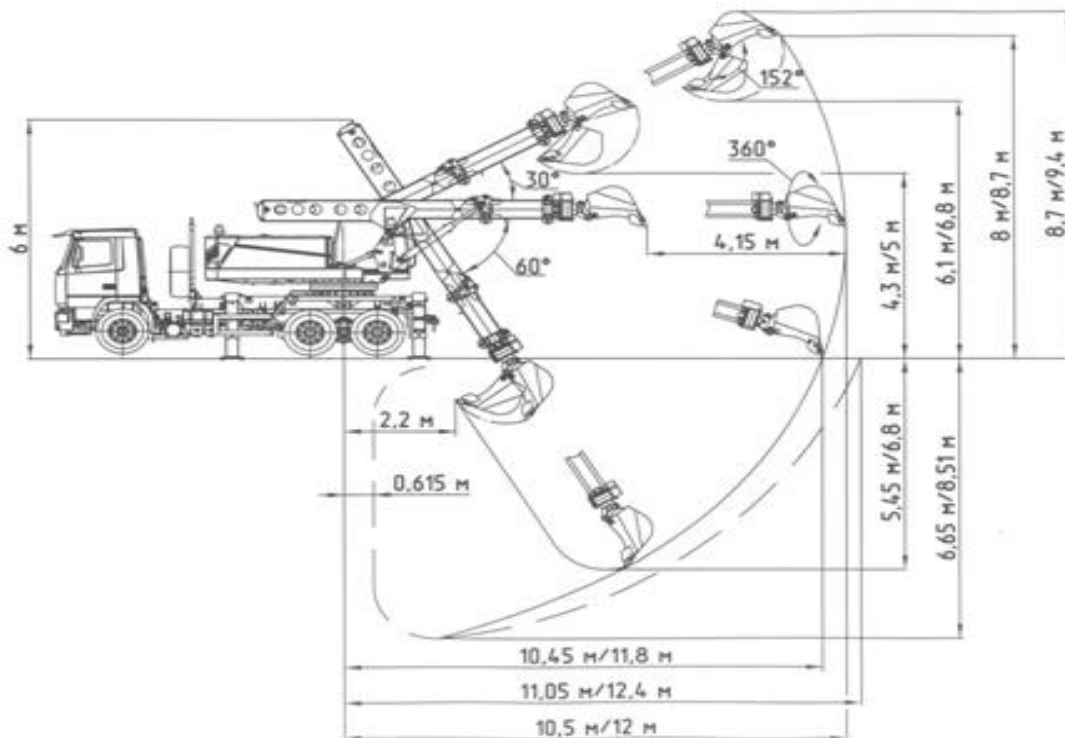
Base chassis	VOLVO FM / VOLVO FM-TRUCK	IVECO-AMT AD380T4* / AT380T4*	IVECO-AMT MLC2* / MLL2* (diesel / gas-diesel)	TATRA T815	MAN TGS 26.320/26.360 6x6BB
Wheel arrangement	6 x 6.2	6 x 6.1 / 6 x 4.1	6 x 6.1	6 x 6.2	6 x 6.2
Chassis engine (Euro 5)	D11C, D13A, D13C, D13K, D16G	Cursor F3BE E68ID, F3BE E68IC, F3BE E68IB	TECTOR F4A E3681	TATRA T3D-928	MAN D2066LF42/43/46/47
Transport speed, km/h	60	60	60	60	60
Dimensions at transport mode, mm					
Height, mm	4 000	4 000	4 000	4 000	4 000
Length, mm	9 600	10 500	9 800	9 200	10 300
Width, mm	2 550	2 550	2 550	2 550	2 550
Gross weight, kg	23 700	24 500	20 700	23 000	23 100
Front axle, kg	7 700	7 500	5 700	8 000	7 100
Rear axle, kg	16 000	17 000	15 000	16 000	16 000

*XX – denomination of chassis modification

OPERATION PARAMETERS OF THE EXCAVATOR	Basic	Option "Tilt Rack"
Max. digging reach at ground level / with boom extension 1,5 m, m	10,45/11,8*	10,8
Max. digging depth / with boom extension 1,5 m, m	5,45/6,8*	6,65
Min. digging reach at ground level, m	2,2	0,615
Telescopic boom stroke, m		4,15
Max. height of the equipment during excavation / with boom extension 1,5 m, m		8,7/9,4*
Max. cutting height / with boom extension 1,5 m, m		8/8,7*
Max. loading height / with boom extension 1,5 m, m		6,1/6,8*
Min. loading height / with boom extension 1,5 m, m		4,3/5*
Bucket rotation angle along the longitudinal axis		152°
Bucket rotation angle		360°
Nominal bucket capacity / with boom extension 1,5 m, m ³		0,63/0,5*
Duration of the working cycle, no more than		13,3
Max. digging force, kg		8100

* with boom extension 1,5 m

EXCAVATOR UPPERSTRUCTURE	
Engine	D-245.9
Power, kW (hp)	100 (136)
Power consumption of hydraulic pump, kW (hp)	55 (75)
Hydraulic pressure, MPa	28
Specific fuel consumption during excavation, g/kw h	245



HYDRAULIC SYSTEM	EW-25-M1 S
Pumps	2 axial variable performance piston pumps (adjustable)
Max. pump flow	2 x 110 l/min
Max. hydraulic pressure	28 MPa
Oil cooling system	Oil forced cooling system with radiator and electric fan
Main hydraulic control valve	2 hydraulic control valves
Platform rotation mechanism	Unregulated axial piston hydraulic motor
Bucket rotation mechanism	2 gerotor hydraulic engines with worm gear
Working fluid filtering system	Drain filter with electric contamination indicator
Pump control system	Unregulated axial piston pump
Max. pump flow	23 l / min
Control pressure	3,5 MPa

CAB AND OPERATOR'S WORKING PLACE

- The cabin is installed on 4 vibration isolators
- A wide footboard is provided for access to the cab and the platform
- Rounded windshield opens visibility of the working area within: up, not less than 35°, down, not less than 45°
 - Windshield moves up and fixed under the roof
 - Sun visor provided
 - Hydraulic servo control units (Joystics) «Bosch-Rexroth»
 - Multifunctional dashboard
 - The sprung operator's seat is adjustable in vertical and horizontal positions
 - Additional options such as operator comfort shelf, locable compartment, cup holed can be provided.
 - Autonomous diesel heater or air conditioner – under the order

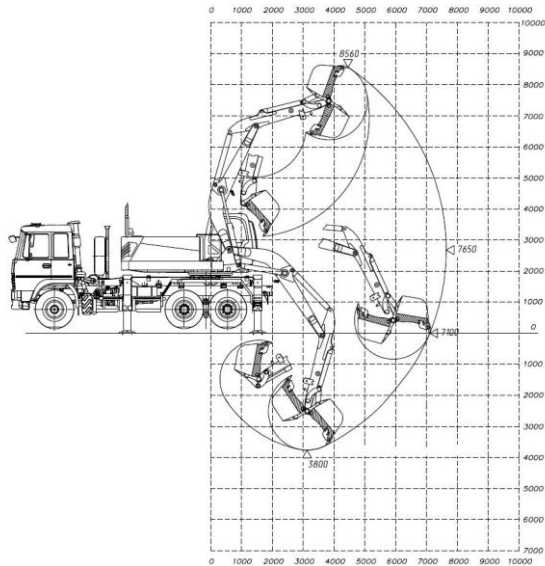
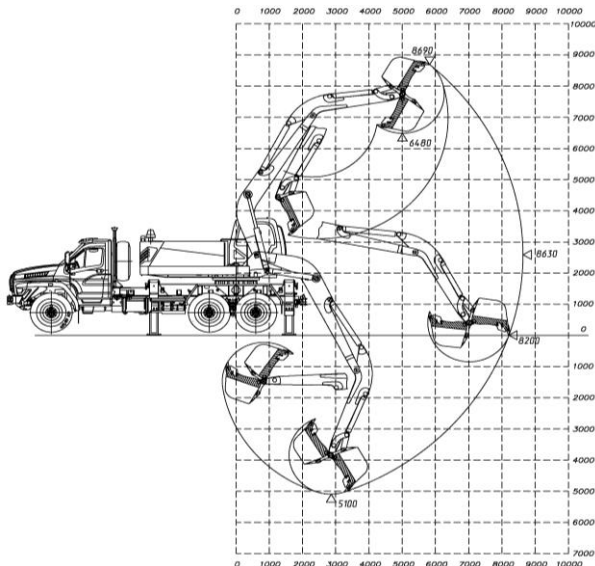


UNIVERSAL SINGLE-BUCKET EXCAVATORS WITH CLASSIC BOOM ON AUTOMOBILE CHASSIS EW25M2



BASE CHASSIS	URAL-4320-69XX-7X	URAL-4320-19XX-6X	MAZ 6317F5
Wheel arrangement	6X6		6X6
Chassis engine (<i>Euro 5</i>)	YAMZ-53623	YAMZ-53613	YAMZ-65872
Transport speed, km/h	70		60
Height, mm	4000		4000
Length, mm	9900		9600
Width, mm	2550		2550
Gross weight, kg	20700	21000	23200
Front axle, kg	5700	6100	7200
Rear axle, kg	15000	14900	16000
EXCAVATOR DIGGING PARAMETERS			
Max. digging reach, mm	8630		7650
Max. digging reach at ground level, mm	8200		7100
Excavator arm's length, mm	2800		2500
Max. digging depth, mm	5100		3800
Max. cutting height, mm	8690		8560
Max. loading height, mm	6480		6420
Nominal bucket capacity, m ³	0,8±5%		
Duration of the working cycle, sec, no less than	12,0-21,5*		
Digging force, kN	87,1		90,9

* depending on the configuration of the hydraulic system



EXCAVATOR UPPERSTRUCTURE	
Engine	D-245.9
Power, kW (hp)	100 (136)
Power consumption of hydraulic pump, kW (hp)	55 (75)
Hydraulic pressure, MPa	28
Specific fuel consumption during excavation, g/kw h	245

EXCAVATOR UPPERSTRUCTURE	
Engine	D-245.9
Power, kW (hp)	100 (136)
Power consumption of hydraulic pump, kW (hp)	55 (75)
Hydraulic pressure, MPa	28
Specific fuel consumption during excavation, g/kw h	245

HYDRAULIC SYSTEM	EW25M2 S
Pumps	2 axial variable performance piston pumps (adjustable)
Max. pump flow	2 x 110 l/min
Max. hydraulic pressure	28 MPa
Oil cooling system	Oil forced cooling system with radiator and electric fan
Main hydraulic control valve	2 hydraulic control valves
Working fluid filtering system	Drain filter with electric contamination indicator
Pump control system	Unregulated axial piston pump
Max. pump flow	23 l / min
Control pressure	3,5 MPa

HYDRAULIC SYSTEM	EW25M2 S
Pumps	2 axial variable performance piston pumps (adjustable)
Max. pump flow	2 x 110 l/min
Max. hydraulic pressure	28 MPa
Oil cooling system	Oil forced cooling system with radiator and electric fan
Main hydraulic control valve	2 hydraulic control valves
Working fluid filtering system	Drain filter with electric contamination indicator
Pump control system	Unregulated axial piston pump
Max. pump flow	23 l / min
Control pressure	3,5 MPa

UNIVERSAL SINGLE-BUCKET EXCAVATOR ON TRACKED CHASSIS EC-22-K2

Technical specifications

Gross weight, kg	22 090
Overall dimensions in transport position, mm	
Height, mm	9 300
Length, mm	3 300
Width, mm	3 550
Track shoe width, mm	900
Medium pressure on ground contact area, kPa*	29,9
Engine power, kW (hp)	100 (136)
Minimum speed, km/h	
- technological	1,94
- transport	3,6
Gradeability solid dry path, no less than	18
Max. digging force:	
- at boom retraction	78
- at bucket rotation	80
Excavator technical capacity, m ³ /h, no less than	95
The frequency of rotation of the turning platform, min ⁻¹ , no more than	6,2
Duration of the working cycle, sec, no less than	16,7



HYDRAULIC SYSTEM:

- hydraulic distributors, hydraulic motors, joysticks, other production components manufactured by Bosch-Rexroth, Linde;
- all hydraulic cylinders manufactured by «Hydronika Dee» (Slovakia);
- operating pressure in the hydraulic system 28 MPa;
- to create reliable tightness, metal pipelines are connected using mortise rings made in Finland.

ELECTRICAL EQUIPMENT:

- nominal voltage 24 V;
- wiring harnesses in plastic corrugated sheaths (*made of components Schlemmer*).

➤ METAL STRUCTURES

- the main metal structures are made of high strength alloy steels;
- specially loaded guiding elements of the mobile boom are made of steel made in Germany.

➤ WORKING EQUIPMENT

- rotation of the bucket relative to the longitudinal axis of the boom 360° in both directions;
- change of additional attachments is made within 5 minutes;
- The slider pads of the rotation mechanism are made of polymer antifriction materials.

➤ POWER PLANT

- Engine (D-245.9) with power 136 hp

➤ EXTRA OPTIONS*:

- engine pre-heater;
- car radio, air conditioning.

** installed by order

ПАРАМЕТРЫ РАБОТЫ ЭКСКАВАТОРА		Option "Tilt Rack"
Max. digging reach at ground level / with boom extension 1,5 m, m	10,2/11,7*	10,8/12,3*
Max. digging depth at ground level / with boom extension 1,5 m, m	5,82/7,15*	7,33/8,86*
Telescopic boom stroke, m	4,15	
Max. loading height at ground level / with boom extension 1,5 m, m	5,91 / 6,43*	
Min. loading height at ground level / with boom extension 1,5 m, m	3,83	
Bucket rotation angle along the longitudinal axis	152°	
Bucket rotation angle	360°	
Nominal bucket capacity / with boom extension 1,5 m, m ³	0,63 / 0,5*	
Duration of the working cycle, sec, no less than	16,7	

OPERATOR'S WORKPLACE

Excavator operator's cab is made of fiberglass, in which a metal frame is molded. The operator's workstation complies with all ergonomic standards: an electrically heated chair, folding armrests, stepless adjustment of the backrest; the cabin has noise and vibration protection, openable on gas springs, windshield, joysticks BOSCH-REXROTH.

This information is for reference only.

HORIZONTAL DIRECTIONAL DRILL UNB1550

The drill is designed to perform the following works:

- laying of communication lines, including fiber optic;
- laying of non-main product pipelines, branch of main pipelines
- laying of new pipelines in hard-to-reach places of urban development;
- laying cases under the road surface without stopping the movement of all types of transport, under the bottom of small rivers, ponds, through wetlands, etc.



DRILL PARAMETERS:

Length, mm, no more than	6 630
Width, mm, no more than	2 400
Height, mm, no more than	2 870
Gross weight (without rods), no more than	11 000
Engine power, kW (hp)	100 (136)
Grade ability solid dry path	18
Rods length, m	3,05

DRILL COMPOSITION

1. Horizontal directional drill;
 2. Device for the preparation and supply of drilling fluid;
 3. Location system*;
 4. Drill tool kit and accessories *;
 5. Set of drill rods *.
- * sets are formed when ordering

OPERATION CHARACTERISTICS

Maximum pulling force, t	14,54 / 18,3*
Spindle torque, Nm	4617 / 6200**
Max. rods rotation speed, r/m	173
Volume flow of drilling fluid, l/min	160 / 320*
Drilling fluid supply pressure, MPa	10 / 7*

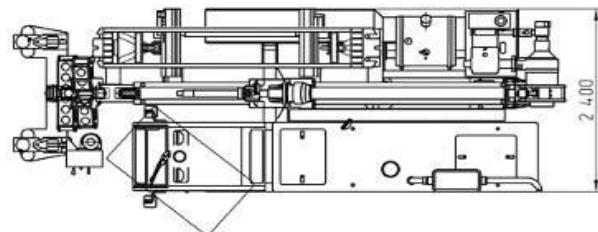
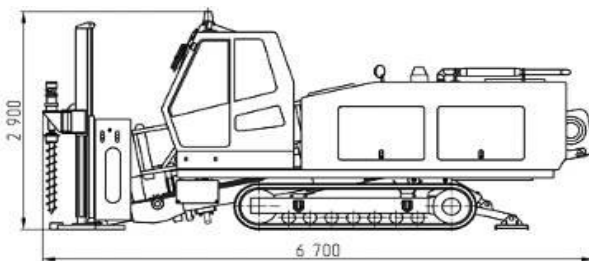
* on additional customer order

** additional option

DRILLING PARAMETERS*

Max. pipeline diameter, mm	50...500
Max. drilling length, m	400
Max. expansion diameter, mm	720
Pilot drill hole diameter, mm	127

* depending on geological conditions of soils, diameter and material of the pipeline



The drill is equipped with a cabin, which provides the operator with comfortable working conditions at any time of the year. To improve the overview of the working areas, a cab rotation is provided. Rubber-metal tracks provide a high cross-country ability and allow you to work on paved and paved surfaces.

This information is for reference only.

HORIZONTAL DIRECTIONAL DRILL UNB8000

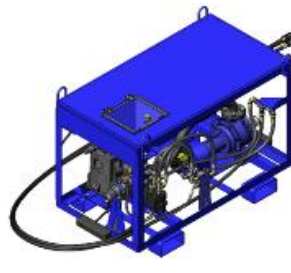
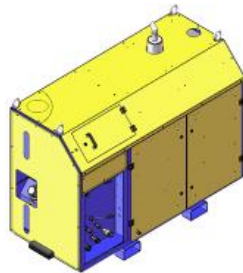
THE DRILL IS DESIGNED TO PERFORM THE FOLLOWING WORKS:

- laying of communication lines, including fiber optic;
- laying of non-main product pipelines, branch of main pipelines
- laying of new pipelines in hard-to-reach places of urban development;
- laying cases under the road surface without stopping the movement of all types of transport, under the bottom of small rivers, ponds, through wetlands, etc.

DRILL COMPOSITION:

1. Drilling rig;
2. Power plant with pumping unit;
3. Mixing unit (high-pressure pump FMC or Speck);
4. Barrel for drilling fluid (as a separate unit on its own basis);
5. Surface anchor kit*;
6. Location system*;
7. Drill tool kit and accessories*;
8. Drilling rods kit*;
9. Set of hoses with quick couplings;
10. Water and mud filtration system;
11. Control system for drilling parameters.

* options and kits are formed upon order



KEY COMPONENTS AND UNITS:

Engine	Perkins (England)
Hydromotors	Eaton (USA), Casappa (Italy)
High-pressure pumps	FMC (USA), Speck (Germany)
Hydraulic distributors	Walvoil (Italy), Rexroth (Germany)
Hydraulic cylinders	Compotec Hydraulics (Slovakia)

ПАРАМЕТРЫ КОМПЛЕКСА:

	Drilling rig	Drilling rig with anchor kit	Power plant	Mixing unit	Barrel for drilling fluid
Overall dimensions (in transport position):					
Length, mm	2725	2940	2090	1450	1660
Width, mm	1125	1890	910	770	1660
Height, mm	1390	2000*	1615	960	1765
Gross weight, kg	1315	1740	785	280/320	360**

* at maximum entry angle 13°

** nominal weight (without water)

OPERATION CHARACTERISTICS

Maximum pulling force, kN (t)	80 (8,16)
Max. spindle torque, Nm	3000
Drilling fluid supply pressure (FMC/Speck), MPa	7/10
Подача бурового раствора (FMC/Speck), л/мин	110/100
Tank volume, л	2000

DRILLING PARAMETERS*

Max. drilling length, m	150
Max. expansion diameter, mm	420
Pilot drill hole diameter, mm	100-125

This information is for reference only..

* depending on geological conditions of soils, diameter and material of the pipeline