



AUTOMOBILE PRODUCTION HOLDING "AUTOCRAT"

- · Production of the "Bars" series well drilling and workover trucks
- · Production of equipment and specialized vehicles for the oil-and-gas industry
- · Production of coiled-tubing drilling rigs
- Delivery of the KamAZ trucks and specialized vehicles for the oil-and-gas industry
- Spare parts and accessories for the truck-mounted workover rigs

About the Company

The company's assets include large production facilities with the office building. Total area makes 30,000 m². State-of-the-art high-tech equipment for metal cutting, machining, welding and assembling, and shot-blasting chamber for the paint coating preparation are installed in the manufacturing shops. In order to ensure high finished product quality, painting is carried out in the paint booth (with hot drying).

The factory has own design-engineering and technological services, and service block for conducting the warranty and post-warranty service.

Sales geography of well drilling and workover trucks, and other specialized vehicles for the oil-and-gas industry includes Siberian, Central, Volga and South regions of Russian Federation. Former Soviet republics.

APH "Autocrat" produces the mobile drilling rigs and trucks for well servicing and workover with the carrying capacity of 40 to 160 tons on the self-propelled chassis and semitrailers. The "KamAZ" and "Ural" vehicle chassis, self-propelled chassis of own design with 6×6.1; 8×6.1; 10×8.1 wheel arrangements based on the "KamAZ-43118" assemblies and heavy self-propelled chassis with 8×8.1; 10×10.1; 12×12.1; 14×12.1; 16×12.1 wheel arrangements are used. 3-axle semitrailers with single-tire wheels on 3 and 4 axles are also manufactured at the plant.

BARS-10K, BARS-20K coiled-tubing drilling rigs BARS-30K trucks on various chassis are manufactured in cooperation with partners from Byelorussia.





BARS-40 Truck for the well servicing, workover, production testing and drilling

1. Purpose

The truck is intended for well servicing, workover, production testing and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.

For the well workover, production testing and drilling truck operation, the truck equipping with manifold standpipe, mechanical (universal shaft or chain) and hydraulic rotor drive, hydraulic cathead and oil cooler is available.



2. Standard truck package

1 Derrick and draw-works unit	1
Chassis with the power-plant	1
Upper equipment drive-train (power take-off assembly, 3-stage gearbox of upper equipment)	1
equipment)	
Pinion-type draw-works with bevel gear box	1
Mast with crown-block, back mast support	1
Hook block	1
Auxiliary winch	1
Operator's cab with console	1
Foundation beam, front foundation piers	1+2
Hydraulic tong hanger, ESP roller hanger	1 each
Rotary-drill line (string-up), m	300
Electrical equipment connecting cable, m	50
Truck electric, hydraulic, pneumatic systems	set
Traveling block limit switch, overload limiter	1 each
SPK	set
Spare wheel holder	1
2 Measurement package DEL-150	1/12/19/19

	5. Otalidala track package specification	10		
1	Derrick and draw-works unit	THE RESERVE OF THE PARTY OF THE	THE PERSON NAMED IN STREET	
1.1	Safe hook load, t - with wind guys installation - without wind guys installation	40 40		
1.2	Transport base	Self-propelled chassis SABR-22103-02	Ural-4320	KamAZ-43118
	Wheel arrangement	8×6.1	6x6.1	6×6.1
	Truck and chassis power drive	KamAZ-260 (E-2)	YaMZ-236 (E-5)	KamAZ (E-5)
	Engine power, hp.	260 KamAZ-154	300	300
	Gearbox		YaMZ-236	KamAZ-154
1.3	Truck mast	Tilting open-face box-section mast		
	with "tubing anchor" Number of sections	material St. 09Γ2C 2		
	Ground to crown-block axis height, m	19.5		
1. 9	Ground to Grown block axis neight, in	10.0		



	Hook lifting height, mTilt angle,	16
	deg.	3°
	Mast lifting	2 hydraulic cylinders
	Upper section extension	Hydraulic draw-works
1.4	Block-and-tackle system	
	String-up	4x3
	Ratio	6
	Rotary-drill line diameter, mm	22
1.5	Draw-works	Pinion-type single-shaft single-drum with air-operated clutch.
		Draw-works drive bevel gear box. Draw-works operation – from
		operator's cab.
	Draw-works brake	Single-band brake with ratchet gear, lever-type equalizer, shoes
		230×120 mm, brake chamber with diaphragm spring brake cylin-
		der, service brake – hand-operated, auxiliary – foot-pedal operat-
		ed.
1.6	Operator's cab	Heat-insulated, 2 electric heaters including 1 – with demister
		system, operator console. GRP design with impact and falling
353		object protection.
1.7	Hydraulic system	Single-circuit; type 310.4.112 axial-piston pump for the actuation of
		outriggers, mast lifting hydraulic cylinders, upper section extension
		draw-works and auxiliary (Kermak) winch, hydraulic tong. Oil heat-
		ing system.
1.0	Pneumatic system	With air dryar air receivers valume 601
1.8	Operating pressure, kg/cm² Addi-	With air dryer, air receivers volume – 60l.
	tional equipment	Pneumatic spider connector
1.9	Truck electrical equipment	Explosion-proof design
1.0	Length of power cable for truck connection to the	Explosion proof design
	external mains, m	30
1.10	Truck lighting	Explosion-proof LED lamps
		24 (from the chassis on-board electric system and trans-
	Power supply voltage, V	former-rectifier)
1.11	Emergency drive for rig dismantling	Pump unit NSh-4, electric motor 3 kW, 380 V
	External hydraulic power unit connection	Fitting 3/4"
	Hand-operated pump	For mast lifting at cab tilting.
1.12	Dimensions, mm, max	12000 x 2500 x 4000
1.13	Truck weight, t, max	22.5
	The truck fully complies with public roadway regulations without the	
	need for dimensions and axle load permits	
4.4.4		
1.14	Auxiliary winch	Hydraulic
	Hook load, t	3
1.15	Rope diameter, mm	13 Orion 404
1.15	Charging unit Measurement package	Orion-404 DEL-150
1.10	Controlled parameters	String weight
1.17	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.17	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.19	Truck leveling	2 bubble-type incline levels
1.20	Emergency engine stop	Air gate valve actuated from operator's cab
1.20		gara tanta astata nam apatata a da
1.21	Locking of stabilizing jacks	Mechanical locks
1.22	Transfer gearbox disconnection at the upper equipment operation	
		Manual

BARS-50 Truck for the well servicing, workover, production testing and drilling

1. Purpose

The truck is intended for well servicing, workover, production testing and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.

For the well workover, production testing and drilling truck operation, the truck equipping with manifold standpipe, mechanical (universal shaft or chain) and hydraulic rotor drive, hydraulic cathead, driller's station at the left rear of truck, and oil cooler is available.



2. Standard truck package

1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Upper equipment drive-train (power take-off assembly, 3-stage gearbox of upper	1
	equipment)	
	Pinion-type draw-works with bevel gear box	1
	Mast with crown-block, back mast support	1
	Hook block	1
	Auxiliary winch	1
	Operator's cab with the operator console (or driller's station with console)	1
	Foundation beam, front foundation piers	1+2
	Hydraulic tong hanger, ESP roller hanger	1 each
	Rotary-drill line (string-up), m	300
	Electrical equipment connecting cable, m	50
	Truck electric, hydraulic, pneumatic systems	set
	Traveling block limit switch, overload limiter	1 each
	SPK	set
	Spare wheel holder	1
2	Measurement package DEL-150	1
3	Remote mast lifting and upper section extension console	1

1	Derrick and draw-works unit			
1.1	Safe hook load, t - with wind guys installation	50		
	- without wind guys installation	40		
1.2	Transport base	Self-propelled chassis SABR-22103-02	Self-propelled chassis SABR-22103	Semitrailer SP-94183
		on the KamAZ 43118 assemblies	on the KrAZ assemblies	3-axle single-tire
	Wheel arrangement Truck and chassis power drive	8×6.1 KamAZ-260 (E-2)	6×6.2 YAMZ-238M2 (E-0)	YaMZ-238M2 (E-0)
	Engine power, hp. Gearbox	260 KamAZ-154	240 YaMZ-236	240 YaMZ-236
1.3	Truck mast with "tubing anchor" Number of sections	Tilting open-face box-section ma	ast of St. 09Г2C material	



	Ground to crown-block axis height, m	21.5
	Hook lifting height, m	17.5
	Tilt angle, deg.	3°
	Mast lifting	2 hydraulic jacks
	Upper section extension	Hydraulic draw-works
1.4	Block-and-tackle sys-	
	tem	
	String-up	4x3
	Ratio	6
	Rotary-drill line di-	25
1.5	Draw-works	
1.5	Diaw-works	Pinion-type single-shaft single-drum with air-operated clutch.
		Draw-works drive bevel gear box. Draw-works operation – from
	Draw-works brake	operator's cab.
	Diaw-works blake	Single-band brake with ratchet gear, lever-type equalizer, shoes
		230×120mm, brake chamber with diaphragm spring brake cylinder,
		service brake – hand-operated, auxiliary – foot-pedal operated.
1.6	Operator's cab	Heat-insulated, 2 electric heaters including 1 – with demister
1.0	Special Country of the Country of th	system, operator console. GRP design with impact and falling
		object protection.
1.7	Hydraulic system	Single-circuit; type 310.4.112 axial-piston pump for the actuation of
1.7	Tyuraulic system	outriggers, mast lifting hydraulic cylinders, upper section extension
		draw-works and auxiliary (Kermak) winch, hydraulic tong. Oil heating
		system.
1.8	Pneumatic system	With air dryer, air receivers volume – 60l.
	Operating pressure, kg/cm² Additional	7
	equipment	Pneumatic spider connector
	Truck electrical equipment	Explosion-proof design
1.9	Length of power cable for truck connection to the	30
	external mains, m	
1.10	Truck lighting	
		Explosion-proof LED lamps
	Power supply voltage, V	24 (from the chassis on-board electric system and trans-
		former-rectifier)
1.11	Emergency drive for rig dismantling	Pump unit NSh-4, electric motor 3kW, 380V
	External hydraulic power unit connection	Fitting 3/4"
	Hand-operated pump	For mast lifting and cab tilting.
1.12	Dimensions, mm, max	12000 x 2500 x 4000
1.13	Truck weight, t, max	27
	The truck fully complies with public roadway regulations without the	
1 1 1	need for dimensions and axle load permits	
1.14	Auxiliary winch	Hydraulic
	Hook load, t	3
1.45	Rope diameter, mm	13
1.15	Charging unit	Orion-410
1.16	Measurement package	DEL-150
4.47	Controlled parameters	String weight
1.17	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.18	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.19	Truck leveling	2 bubble-type incline levels
1.20	Emergency engine stop	Air gate valve actuated from operator's cab
1.21	Locking of stabilizing jacks	Mechanical locks
1.22	Transfer gearbox disconnection at the upper equipment	

BARS-50N Truck for repair of directional wells for the ultra-viscous oil extraction



1. PurposeThe truck is intended for ultra-viscous oil well servicing, workover and production testing after drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification of the COCT 15150. tion – Y, placement category – I as per the GOST 15150.

1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Mast with top and bottom crown-blocks	1
	RIH/POOH operation hydraulic cylinder (main hydraulic cylinder)	1
	Carriage with built-in pneumatic elevator	1
	Remote mast lifting console	1
	Back and center foundation beams	1 set
	Front foundation piers	2
	Hydraulic tong hanger	1 set
	Manifold standpipe DN50, pressure 25MPa	1
	Built-in fluid drain funnel	1
	Mast pipe centralizer	2
	Operator's cab with operator console	1
	Hydraulic outriggers with the mechanical locks, item	6
	Automatic elevator	1
	Oil cooler	1
	Oil heating system	1
	ESP cable roller	1
	Hydraulic blowout preventer drive	1
	Overload limiter	1 set
2	Swivel VE-50	1
3	Hydraulic tong GKSh-2000N	1
4	Mates under truck, items	6
5	Working platform	1
6	Hydraulic pipe handler RK-8500V with pipe grab	1 set



1	Derrick and draw-works unit	
1.1	Safe string load on the automatic elevator, t	
	- at string pulling	
	- at string pulling - at string running	100
	at suring running	40
1.2	Transport base	Self-propelled chassis SABR-22103
1.2	Wheel arrangement	10×8.1
	Power drive	KamAZ-260 (E-2)
	Engine power, hp.	260
1.0		
1.3	Gearbox	KamAZ-154
	Truck mast	Tilting, extending (telescopic), flat design
	Number of sections	2
	Mast tilt angle, deg.	30-90
	Transportation length, mm	13000
	Working length, mm	19000
	Mast lifting	Hydraulic jack
	Upper section extension	Main hydraulic cylinder DN50,
	Manifold standpipe with gooseneck	pressure 25MPa
1.4		
1.4	RIH/POOH operation hydraulic cylinder (main hydraulic cylinder)	Single-section, piston diameter 240mm, stroke – 6300mm
		cylinder pressure – 45MPa max.
1.5	Operator's cab with operator console	Heated. Demister system.
		Impact and object falling protection.
1.6	Hydraulic system	Three-circuit; 310.4.160 type pump – 1 item; 310.4.112 pumps
		- 2 items, working pressure up to 35MPa. Actuation of truck machinery, hy-
		draulic tong GKSh-2000N, pipe handler RK-8500V. Oil heating and cooling
		system.
1.7	Pneumatic system	With air dryer
1.8	Truck electrical equipment	Explosion-proof design
1.9	Truck lighting	Explosion-proof LED lamps
	Power supply voltage, V	24
1.10	Emergency drive	Fittings for external hydraulic power unit connection
1.11	Dimensions, mm, max	13000 x 2500 x 4300
1.12	Truck weight, t, max	37
1.13	Charging unit	Orion-410
	Measurement package	DEL-150
1.14	Controlled parameters	Hydraulic tong torque, main hydraulic cylinder pressure
1.15	Overload limiter	Main hydraulic cylinder maximum pressure sensors based on the DEL-
		150 device
1 16	Farancia and a state of the sta	
1.16	Emergency engine stop	Air gate valve actuated from operator's cab and remote mast lifting
		console
1.17	Remote mast lifting console	Cable 20m
1.10	Target to relian	O by the an electronic type incline level-
1.18 1.19	Truck leveling	2 bubble or electronic type incline levels
	Locking of stabilizing jacks	Mechanical locks 2 budgaulia avlindars: tang up and down mation, tang ratation
1.20	Hydraulic tong hanger	2 hydraulic cylinders: tong up and down motion, tong rotation
2	Operating swivel	VE-50 GKSh-2000N
3	Hydraulic tong	
4	Mates under truck, items Dimensions, mm	6 5000x2000x150
5	Working platform, mm	2000x2000x150 2000x3500x3000
3	working platform, min	200000000000000

Truck for well workover, production testing and drilling (configuration with the short mast without the racking platform) BARS-80

1. Purpose

The truck is intended for well workover, production testing and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST



1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Upper equipment drive-train (power take-off assembly, 3-stage gearbox of upper equipment, rotor drive reducing gear) Pinion-type draw-works with bevel gear box Mast with crown-block, manifold standpipe Back mast support Remote mast lifting and laying down console	1 1 1 set 1
	Traveling block	1
	Driller's station with the driller's console	1
	Back foundation beam	1
	Front foundation piers	2
	GKSh-1500, GKSh-1800 type hydraulic tong hanger	1
	KMT type power tongs hanger	2
	ESP roller bracket hanger	1
	Mud bucket hanger	1
	Hydraulic cathead	1
	Rotary-drill line (string-up), m	400
	Electrical equipment connecting cable, m	35
	Truck electric, hydraulic, pneumatic systems	1 set
	Traveling block limit switch, overload limiter	1 each
	SPK	1 set
	Spare wheel holder	1
2	Measurement package DEL-150	-1-

	3. Standard truck package specification	ns	The second lives of the second		A STATE OF THE PARTY OF THE PAR
1	Derrick and draw-works unit				
1.1	Safe hook load, t	80			
	- with wind guys installation	80			
	- without wind guys installation	50			
1.2	Transport base	Self-propelled chassis SABR-22103	Self-propelled chassis SABR	Self-propelled chassis SABR	Semitrailer SP-94183
		on the KamAZ assem-	on the KrAZ assem-	on the KrAZ assemblies	3-axle single-tire
	Wheel arrangement	blies 10×8.1	blies 6×6.2	8×6.1	
	Truck and chassis power drive	YaMZ-238B1	YaMZ-238B1	YaMZ-238B1	YAMZ-238M2
	Engine power, hp.	(E-0)	(E-0)	(E-0)	(E-0)
		300	300	300	240
	Gearbox	YaMZ-238	YaMZ-238	YaMZ-238	YaMZ-236
1.3	Truck mast with "tubing anchor" Number of sections Ground to crown-block axis height, m Hook lifting height, m Tilt angle, deg.	Tilting open-face box-se material St. 09Г2С 2 22.06 18	ction mast		
	Mast lifting	3°			
		2 hydraulic cylinders			

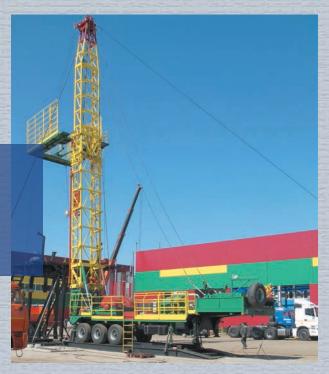


Upper section extension Manifeld standplaye with goseneck 1.4 Block-and-lackle sys- tem String-up Ratio Draw-works Draw-works Draw-works Draw-works brake Draw-works brake Draw-works brake Draw-works brake Prinon-type single-shaft single-drum with air-operated dutch. Draw-works drive bevel geser box. Draw-works operation — from the drill- or's console. Draw-works brake Draw-works b			
Block and facile system String-up Rato Rolary-drill fine diameter, mm 25		Upper section extension	Hydraulic draw-works
tem String-up Ratio Rotary-drill line diameter, mm 25 Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works brake String-draw-works at the rear truck platform is available. 1.7 Hydraulic system Draw-works at the rear truck platform is available. 1.8 Single-circuit; type 310.4.112 axial-piston pump for the actuation of outriggers, mast lifting hydraulic cylinders, upper section extension draw-works and auxiliary (Karmak) which, hydraulic cathead and hydraulic trug. Draw-works and brake		Manifold standpipe with gooseneck	DN50, pressure 25MPa
tem String-up Ratio Rotary-drill line diameter, mm 25 Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works Draw-works brake String-draw-works at the rear truck platform is available. 1.7 Hydraulic system Draw-works at the rear truck platform is available. 1.8 Single-circuit; type 310.4.112 axial-piston pump for the actuation of outriggers, mast lifting hydraulic cylinders, upper section extension draw-works and auxiliary (Karmak) which, hydraulic cathead and hydraulic trug. Draw-works and brake			
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Rator Rotary-drill line diameter, mm 5 Draw-works Draw-works were received by the draw works drive bevel gaer hox. Draw-works operation – from the drill er's conscious. Draw-works brake Double-band with lever-type equalizer, shoes 230+120mm, service brake and law life of the string of the string law look of the stri			
Rotary-drill line diameter, mm 25			
Draw-works Draw-works brake			
works drive bevis logar box. Draw-works operation – from the drill- er's console. Double-band with lever-type equalizer, shoss 230-120mm, service brake – hand-operated, auxiliary – foot-pedal oper- atod. Located at the rear of truck, to the left in the travel direction Publish satistics of port of post of the state of the stat		Rotary-drill line diameter, mm	20
works drive bevil gear box. Toraw-works paration — from the driller's console. Draw-works brake Draw-works brake Double-band with lever-type equalizer, shoes 230 x120 mm, service brake — hand-operated, auxiliary — foot-pedal operated. Driller's station with the driller's console Driller's station floor heating Optionally, installation of operator's cab to the truck with truck control function duplication is available. GPP eabin with heating and demister system, impact and object falling protection. If agreed, cabin installation behind the draw-works at the rear truck platform is available. 1.7 Hydraulic system Single-orout; type 310.4.112 axisi-piston pump for the actuation of outrig-gers, mast lifting hydraulic cylinders, upper section extension draw-works and auxiliary (Kermak) winch, hydraulic cylinders, upper section extension draw-works and auxiliary (Kermak) winch, hydraulic cathead and hydraulic tong. Optionally, installation of hydraulic rotor drive of R-250, R-80×400 type with hydraulic power unit is available. Preumatic system Preumatic system With air driver, air receivers volume – 601. 7 Preumatic system of the external mains, m Truck lettical sequipment 1.0 Lorent power cable for truck contend to the external mains, m Truck lettical sequipment 1.10 Power supply voltage, V Emergency drive for rig dismantling External hydraulic power unit connection 1.11 If agreed, installation of emergency drive for the string RIH/POOH operation completion and rig dismantling is available to the need for dimensions and axis load permits 1.11 Grayed, installation of emergency drive for the string RIH/POOH operation completion and rig dismantling is available to the need for dimensions and axis load permits 1.12 Dimensions, mm, max 1.13 Auxiliary winch 1.14 Charging unit 1.15 Measurement package 1.16 Covertoid limiter 1.17 Hook block litting height limiter 1.18 Truck leveling 2.19 Locking of stabilizing jacks 1.10 Locking of stabilizing jacks 1.11 If several permits and the upper equipment	1.5	Draw-works	Pinion-type single-shaft single-drum with air-operated clutch. Draw-
Double-band with lever-type equalizer, shoes 220×120mm, service brake – hand-operated, auxiliary – foot-pedal operated. Differ's station with the driller's console Differ's station with the driller's console Differ's shelter			
service brake – hand-operated, auxiliary – foot-pedal operated. 1.6 Driller's station with the driller's console Driller's shelter Driller's shelter Driller's shelter Driller's shelter Driller's shelter Driller's station foor heating Optionally, installation of operator's cab to the truck with truck control function duplication is available. GRP cabin with heating and demister system. Impact and object falling protection. If agreed, cabin installation behind the draw-works at the rear truck platform is available. 1.7 Hydraulic system Single-circuit; type 310.4:112 axial-piston pump for the actuation of outriggers, mast lifting hydraulic cylinders, upper section extension draw-works and auxiliary (Kermak) winch, hydraulic cathead and hydraulic tong. Optionally, installation of hydraulic power unit is available Pheumatic system No Operating pressure, kg/cm² Additional equipment Truck lepting prossure, kg/cm² Additional equipment Explosion-proof design 1.9 Length of power cable for truck connection to the external mains, m Truck lepting Extendity hydraulic power unit connection Extendity hydraulic power unit connection Extendity hydraulic power unit connection Truck lepting available Power supply voltage, V Extendity hydraulic power unit connection Extendity hydraulic power unit connection Truck lepting available 1.10 Dennesions, mm, max Truck kgrilly times Truck lepting unit Operating district the desired and hydraulic power unit connection Single-circuit; type 310.4:112 axial-piston pump for the actuation of outriggers, mast lifting connection of the extension draw-works and auxiliary (Kermak) winch, hydraulic power and hydrauli			er's console.
ated. Driller's station with the driller's console Driller's shelter Driller's station floor heating Optionally, installation of operator's cab to the truck with truck control function duplication is available. GRP cabin with heating and demister system, impact and object falling protection. If agreed, cabin installation behind the draw-works at the rear truck platform is available. 1.7 Hydraulic system Single-circuit; type 310.4.112 axial-piston pump for the actuation of outriggers, mast lifting hydraulic cylinders, upper section extension draw-works and auxiliary (Kermak) winch, hydraulic cathead and hydraulic tong. Optionally, installation of hydraulic rotor drive of R-250, R-80×400 type with hydraulic power unit is available Pneumatic system With air dryer, air receivers volume – 60I. Operating pressure, kg/cm² Additional equipment Truck electrical equipment Pneumatic spider connector Explosion-proof design 1.0 Power supply voltage, V Emergency drive for rig dismantling External hydraulic power unit connection 1.1 flagreed, installation of emergency drive for the string RIH/POOH operation Completion and rig dismantling is available Driller's station with the driller's console with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for dimensions and axia load permits The truck fully complies with public roadway regulations without the need for	357	Draw-works brake	
1.6 Driller's station with the driller's console Driller's shelter			
Drillar's shelter Drillar's station floor heating Optionally, installation of operator's cab to the truck with truck control function duplication is available. GPR cabin with heating and demister system. Impact and object falling protection. If agreed, cabin installation behind the draw-works at the rear truck platform is available. 1.7 Hydraulic system Single-circuit; type 310.4.112 axial-piston pump for the actuation of outrig- gers. mast fitting hydraulic cylinders, upper section extension draw-works and auxiliary (Kernak) winch, hydraulic cathead and hydraulic tong. Optionally, installation of hydraulic rotor drive of R- 250, R-80-400 type with hydraulic power unit is avail- able Pneumatic system Operating pressure, kylom ⁷ 7 Additional equipment Truck electrical equipment Truck electrical equipment Pneumatic spider connector Explosion-proof design 1.9 Length of power cable for truck connection to the avternal mains, m Truck lighting Explosion-proof LED lamps Exp			ated.
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1.14 Charging unit 1.15 Measurement package Controlled parameters 1.16 Overload limiter 1.17 Hook block lifting height limiter 1.18 Truck leveling 1.19 Emergency engine stop 1.20 Locking of stabilizing jacks 1.21 Transfer gearbox disconnection at the upper equipment operation 1.22 Measurement package DEL-150 String weight Electro-pneumatic based on the DEL-150 device Electro-pneumatic, cable-type 2 bubble-type incline levels Air gate valve actuated from operator's cab and remote mast lifting console Mechanical locks 1.21 Manual	100		
1.15 Measurement package Controlled parameters String weight 1.16 Overload limiter Electro-pneumatic based on the DEL-150 device 1.17 Hook block lifting height limiter Electro-pneumatic, cable-type 1.18 Truck leveling 2 bubble-type incline levels 1.19 Emergency engine stop Air gate valve actuated from operator's cab and remote mast lifting console 1.20 Locking of stabilizing jacks 1.21 Transfer gearbox disconnection at the upper equipment operation Manual	1 1 1		
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1.17 Hook block lifting height limiter Electro-pneumatic, cable-type 1.18 Truck leveling 2 bubble-type incline levels 1.19 Emergency engine stop Air gate valve actuated from operator's cab and remote mast lifting console 1.20 Locking of stabilizing jacks Mechanical locks 1.21 Transfer gearbox disconnection at the upper equipment operation Manual	1 16		
1.18 Truck leveling 2 bubble-type incline levels 1.19 Emergency engine stop Air gate valve actuated from operator's cab and remote mast lifting console 1.20 Locking of stabilizing jacks 1.21 Transfer gearbox disconnection at the upper equipment operation Manual			
1.19 Emergency engine stop Air gate valve actuated from operator's cab and remote mast lifting console 1.20 Locking of stabilizing jacks 1.21 Transfer gearbox disconnection at the upper equipment operation Manual			
1.20 Locking of stabilizing jacks 1.21 Transfer gearbox disconnection at the upper equipment operation Mechanical locks Manual			
1.21 Transfer gearbox disconnection at the upper equipment operation Manual			
1.22 Remote mast lifting and upper section extension console Electrical, cable length – 35m	1.21	Transfer gearbox disconnection at the upper equipment operation	Manual
Liberton, east interigrant appear accept a contain actions and accept a contain acceptance of the contain acceptance of th	1.22	Remote mast lifting and upper section extension console	Electrical, cable length – 35m

BARS-80 Truck for well workover, production testing and drilling (configuration with the long mast with the racking platform)

1. Purpose

The truck is intended for well workover, production testing and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – y, placement category – I as per the GOST 15150.



1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Upper equipment drive-train (power take-off assembly, 2-stage gearbox of upper equipment, rotor drive) reducing gear)	1
	Pinion-type draw-works with bevel gear box	1
	Mast with crown-block, manifold standpipe	1 set
	Racking platform with derrick escape and shelter	1
-	Remote mast lifting and upper section extension console	1
	Traveling block	1
- 5	Driller's station with the driller's console	1
	Back foundation beam	1
	GKSh-1800, GKSh-3200 type hydraulic tong hanger	1
	KMT type power tongs hanger	2
	ESP roller bracket hanger	1
	Mud bucket hanger	1
1	Hydraulic cathead	2
	Rotary-drill line (string-up), m	500
	Electrical equipment connecting cable, m	50
	Emergency drive for the string RIH/POOH operation completion and rig dismantling	1
	Truck electric, hydraulic, pneumatic systems	set
	Traveling block limit switch	1
	Overload limiter	1
	Operating and accompanying documentation	set
	Truck SPK	set
	Spare wheel holder	1
2	Measurement package DEL-150	1
3	Rotary base	1
4	Standing pipe rack	1
5	Rotor RUP-560 with PKR-560 (or spider SPG-100)	set
6	Drilling swivel	1
7	Kelly stem	1
8	Drilling link (pair)	1
9	Catwalk	
10	Ramp	set
11	Emergency compressor S-412M	



	3. Standard truck package specifications					
1	Derrick and draw-works unit			the should be		
1.1	Safe hook load, t	80				
i ji k	- with wind guys installation	80				
- 34	- without wind guys installation	See a large from				
1.2	Transport base	Self-propelled				
1	Transport base	chassis	BAZ-69096	MZKT-7004	Semitrailer	
-		SABR-23103-06			SP-95183	
	Wheel arrangement	12x12.1	10×10.1	10×10.1	3-axle	
	white arrangement		1010.1	10.10.1	2-tire	
	Total and describe an addition	"Madara" axles	YaMZ-7511	YaMZ-7511	YaMZ-7511	
	Truck and chassis power drive	YaMZ-7511.10				
	Engine power, hp.	400	400	400	400	
	Gearbox	YaMZ-239	YaMZ-239	YaMZ-239	YaMZ-239	
1 2	Truck most with "tubing	Tilting open face boy se	notion mast			
1.3	Truck mast with "tubing anchor"	Tilting open-face box-se material St. 09Γ2C	-cuon mast			
	Number of sections	2				
125						
	Ground to crown-block axis height, m	32				
	Hook lifting height, m	28				
	Tilt angle, deg.	3°				
	Mast lifting	2 hydraulic cylinders				
1757	Upper section extension	DN60, BRS-21/2" with pl	hase separator and pro	essure-gauge		
100	Manifold standpipe with service platform	PETERS NOW S		SINT BUTTON		
1.4	Block-and-tackle system					
	String-up	4x3				
	Ratio	6				
	Rotary-drill line diameter, mm	25				
15	Racking platform		thorno with abolton be	ight 0 E m with access	a ayatam	
1.5	Nacking platform	3 platform positions, pla	tiorm with shelter, he	ignt 2.5 m, with escape	e system	
	Ø114mm tubing board capacity, lin.m	2200				
1.6	Drilling draw-works	Pinion-type single-shaft single-drum, air-line coupling-actuated. Speed selection from the				
		driller's console. Heavy-duty draw-works drive bevel gear box. Draw-works control – from				
		the driller's station.				
	Draw-works brake	Double-band with equa	lizer, shoes 230×120	mm, service brake - h	and-	
		operated, auxiliary - for				
1.7	Driller's station with the driller's console	Located at in the left rea			Lib. Landau and the	
	The state of the s	of truck at the working				
33						
		platform height.				
	Driller's shelter	Rubb shelter	flaction 1			
		Electrical explosion-prod	or neating element			
	Driller's station floor heating				A-1-1-1	
1.8	Hydraulic system	310.4.112 type pumps -			truck ma-	
		chinery, hydraulic tong,	hydraulic rotor and 2	hydraulic catheads.		
	If agreed, installation of oil cooler is available	10 to				
1.9	Pneumatic system	With air dryer, air receive	ers volume – 100Lup to	10		
1.5	Operating pressure, kg/cm ²	With all dryor, all receive	ora volume – roor up ti	7 10		
	Additional equipment	Pneumatic enider conn	octor			
1 10		Pneumatic spider conne	CUUI			
1.10 1.11	Truck electrical equipment	Explosion-proof design Explosion-proof LED la	mne			
1.11	Truck lighting		iii)o		State of Hoself	
4.40	Power supply voltage, V	24	201/			
1.12	Emergency drive for the RIH/POOH operation comple-	Electric motor 30kW, 38	BUV, chain drive to dr	ve-train. Emergency c	ompressor S-	
	tion and rig dismantling	412M				
	External hydraulic power unit connection	Fitting 3/4"				
1.13	Dimensions, mm, max	19000 × 2500 × 4500 (w	ithout racking platform			
1.14	Truck weight, t, max	55				
1.15	Auxiliary winch	Hydraulic				
	Hook load, t	3				
-	Rope diameter, mm	13				
1.16	Charging unit	APZA-500			ETCER TOUR	
0	- · · · · · · · · · · · · · · · · · · ·					

1.17	Measurement package	DEL-150
	Controlled parameters	string weight, hydraulic tong torque, rotor torque and rpm, hydraulic fluid pressure.
1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble-type incline levels
1.21	Emergency engine stop	Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	Stroke – 1000mm, force 5t, location at the truck mast.
1.23	Remote mast lifting and upper section extension	
	console	Cable 45m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	R-80×400 or RUP-560 type.
		Reversing rotor drive reducing gear with pneumatic brake for the
		spring release. Drive to rotor with universal-shaft or chain drive. Ro-
		tation transmission to rotary table by vertical universal shaft or chain
4.00		reducing gear.
1.26	Hydraulic rotor drive	R-80×400 or RUP-560 type with hydraulic drive. Rotor actuation from the 2 axial-piston pumps of 310.4.112 type. Installation of hydraulic oil
		cooling system is available.
2	Rotary base	Telescopic type. Dimensions: 6×2.5×5m (to rotary table) in working posi-
		tion. Manual hoist 5t.Blowout preventer service platform. Enclosure with
		shelter of 2.5m high with weather shield
3	Standing pipe rack	Telescopic type. Dimensions: 6×2.5×5m (surface to ground)
Total Control		
4	Rotor RUP-560 with PKR-560	Drive from bevel gear box through the vertical universal-shaft.
	(or spider SPG-100)	Carrying capacity – 150t, opening Ø560mm, torque
		20000NM, speed 0-150rpm, bushing 89×89mm
5	Drilling swivel VB-80	Carrying capacity – 80t, clear opening 75mm.
6	Kelly stem	VBT-80×80×11300
7	Drilling link (pair)	ShBD-80×1500
8	Catwalk	Skid-mounted. Dimensions, mm
	Daniel Control of the	14000×2300×600, 6 racks of 6m long. Pipe kick-back. Chute, width
9	Ramp	Height 300 mm



BARS-100 Truck for well workover, production testing and drilling (configuration with the short mast without the racking platform)

1. Purpose

The truck is intended for well workover, production testing and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – y, placement category – I as per the GOST 15150.



2. Standard truck package

1 Derrick and draw-works unit	1
Chassis with the power-plant	
Upper equipment drive-train (power take-off assembly, 2-stage gearbox of upper equipment, rotor drive reducing gear) 1
Pinion-type draw-works with bevel gear box	1
Mast with crown-block, manifold standpipe	1 set
Racking platform with derrick escape and shelter	1
Remote mast lifting and upper section extension console	1
Hook block	1
Driller's station with the driller's console	1
Back foundation beam	1
GKSh-1800, GKSh-3200 type hydraulic tong hanger	1
KMT type power tongs hanger	2
ESP roller bracket hanger	1
Mud bucket hanger	1
Electrical equipment connecting cable, m	50
Emergency drive for the string RIH/POOH operation completion and rig dismantling	1
Remote mast lifting and upper section extension console	Cable 35m
Truck electric, hydraulic, pneumatic systems	set
Traveling block limit switch	1
Overload limiter	1
Operating and accompanying documentation	set
Truck SPK	set
2 Measurement package DEL-150	1

1	Derrick and draw-works unit				
1.1	Safe hook load, t - with wind guys installation - without wind guys installation	100 100 60			
1.2	Transport base	Self-propelled chassis SABR-22103	Self-propelled chassis SABR	Self-propelled chassis SABR	Semitrailer SP-94183
	Wheel arrangement	10x8.1 Axles KamAZ 43118	6×6.2 Axles KrAZ	8×6.1 Axles KrAZ	3-axle single-tire
	Truck and chassis power drive Engine power, hp. Gearbox	YaMZ-238B1 (E-0) 300 YaMZ-238	YaMZ-238D (E-0) 330 YaMZ-238	YaMZ-238D (E-0) 330 YaMZ-238	YaMZ-238M2 240 YaMZ-236
1.3	Truck mast with "tubing anchor" Number of sections Ground to crown-block axis height, m	Tilting open-face box-sec material St. 09F2C 2 22.06	tion mast		

	Hook lifting height, m	18
	Tilt angle, deg.	3°
	Mast lifting	Hydraulic draw-works
	Upper section extension	DN60, BRS-21/2" with phase separator and pressure-gauge
	Manifold standpipe with service platform	
1.4	Block-and-tackle system	
	String-up	6×4, 8-fold
	Rotary-drill line diameter, mm	25
1.5	Racking platform	3 platform positions, platform with shelter, height 2.5 m, with escape system 2500
	Ø114mm tubing board capacity, lin.m	
1.6	Drilling draw-works	Pinion-type, single-shaft, single-drum, speed selection from the driller's console. Heavy-duty draw-works drive bevel gear box. Draw-works operation – from the driller's station.
	Draw-works brake	Double-band with equalizer, shoes 230×120mm, service brake – hand-operated, auxiliary – foot-operated.
1.7	Driller's station with the driller's console	Located at the truck platform. Installation of driller's station floor electric heating system is available.
		Installation of operator's cab with the duplicate driller's console is available.
	Driller's shelter	Rubb shelter
1.8	Hydraulic system	Single-circuit; 310.4.112 type pumps – 2 items; axial-piston pump for actuation of truck machinery, hydraulic tong, hydraulic rotor and hydraulic cathead. Installation of oil cooler is available.
1.9	Pneumatic system	With air dryer
123	Operating pressure, kg/cm ²	up to 10
1.10	Truck electrical equipment	Explosion-proof design
1.11	Truck lighting	Explosion-
		proof LED
	Power supply voltage, V	lamps 24
1.12	Emergency drive for the RIH/POOH operation com-	Electric motor 3kW, 380V, pump NSh-4
	pletion and rig dismantling	
	External hydraulic power unit connection	Fitting 3/4"
1.13	Dimensions, mm, max	12000 × 2500 × 4000 (without racking platform)
1.14	Truck weight, t, max	35
1.15	Auxiliary winch	Hydraulic
	Hook load, t	3
1 16	Rope diameter, mm	13 APZA-500
1.16 1.17	Charging unit Measurement package	DEL-150
	Controlled parameters	string weight, hydraulic tong torque, rotor torque and rpm, hydraulic fluid pressure.
1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble-type incline levels
1.21	Emergency engine stop	Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	Stroke – 1000mm, force 5t, location at the truck mast.
1.23	Remote mast lifting and upper section extension console	Cable 35m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	R-80×400 or RUP-560 type. Reversing rotor drive reducing gear with pneumatic brake for the
		spring release. Drive to rotor with universal-shaft or chain drive.
1.26	Hydraulic rotor drive	R-80×400 or RUP-560 type with hydraulic drive.
		Rotor actuation from the 2 axial-piston pumps of 310.4.112 type. Installation of hydraulic oil cooling system is available.



BARS-100 Truck for well workover, production testing and drilling (configuration with the long mast with the racking platform)

1. Purpose

The truck is intended for well workover, production testing and drilling in the temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.



1	Derrick and draw-works unit	1	
	Chassis with the power-plant	1	68
	Upper equipment drive-train (power take-off assembly, 3-stage gearbox of upper equipment, rotor drive reducing gear)	1	
	Pinion-type draw-works with bevel gear box	1	8
	Mast with crown-block, manifold standpipe	1 set	
	Racking platform with derrick escape and shelter	1	Æ
	Remote mast lifting and upper section extension console	1 1 1 1 1 1 1 1	Æ
	Hook block	1	
	Driller's station with the driller's console	1	Æ
	Back foundation beam	1	61
3.5	GKSh-1800, GKSh-3200 type hydraulic tong hanger	1	
	KMT type power tongs hanger	2	Bi
	ESP roller bracket hanger	1	
	Mud bucket hanger	1	21
	Rotary-drill line (string-up), m	500	68
	Electrical equipment connecting cable, m	50	81
	Emergency drive for the string RIH/POOH operation completion and rig dismantling	1	A
	Truck electric, hydraulic, pneumatic systems	set	
	Hydraulic catheads	2	88
	Traveling block limit switch	1	
30	Overload limiter	1	
	Operating and accompanying documentation	set	B.
	Truck SPK	set	
	Spare wheel holder	1	
2	Measurement package DEL-150	1	
3	Rotary base	1	
4	Standing pipe rack	1	āl
5	Rotor RUP-560 with PKR-560 (or spider SPG-100)	set	
6	Drilling swivel	1	
7	Kelly stem	1	
		1	
9		1	
_	Ramp	set	
11		1	
10	Drilling link (pair) Catwalk	1 1 set 1	

1	Derrick and draw-works unit				
1.1	Safe hook load, t	100			
	with wind guys installationwithout wind guys installation	100			
1.2	Transport base	Self- propelled chassis SABR-23103-06	Self-propelled chassis BAZ-69096	Self-propelled chassis MZKT-7004	Semitrailer SP-95183
	Wheel arrangement	12x12.1	10x10.1	10x10.1	3-axle 2-tire
	Truck and chassis power drive Engine power, hp. Gearbox	YaMZ-27511.10 400 YaMZ-239	YaMZ-7511 400 YaMZ-239	YaMZ-7511 400 YaMZ-239	YaMZ-7511 400 YaMZ-239
1.3	Truck mast with "tubing anchor" Number of sections Ground to crown-block axis height, m Hook lifting height, m Tilt angle, deg. Mast lifting Upper section extension Manifold standpipe with service platform	Tilting open-face box-se material St. 09Г2С 2 32 28 3° 2 hydraulic cylinders Hydraulic draw-works DN76, BRS-3" with phase		auge and hydraulic fluid	I pressure sensor.
1.4	Block-and-tackle system String-up Ratio Rotary-drill line diameter, mm	6x4 8 25			
1.5	Rotary-drill line diameter, film	3 platform positions, platf	orm with shelter heigh	t 2.5 m. with escape sys	tem.
	Ø114mm tubing board capacity, lin.m	2500	orm with shorter, height	t 2.0 m, with cocape by o	
1.6	Drilling draw-works Draw-works brake	Pinion-type single-shaft single-drum, air-line coupling-actuated. Heavy-duty draw-works drive bevel gear box. Draw-works operation – from the driller's station. Double-band with equalizer, shoes 230×120mm, service brake – hand-operated, auxiliary			
	Installation of the "Hydromat" type hydrody- namic brake is available	- foot-operated.			
1.7	Driller's station with the driller's console Driller's shelter Driller's station floor heating	Located at in the left rea Rubb shelter Electrical explosion-prod		ng platform height.	
1.8	Hydraulic system	310.4.112 type pumps – draulic tong, hydraulic ro			ruck machinery, hy-
1.9	Pneumatic system Operating pressure, kg/cm² Additional equipment Truck electrical equipment	With air dryer, air receive 7 Pneumatic spider conne Explosion-proof design			
1.11	Truck lighting Power supply voltage, V	Explosion-proof LED lan	nps		
1.12	Emergency drive for the RIH/POOH operation completion and rig dismantling External hydraulic power unit connection	Electric motor 30kW, 380V, chain drive to drive-train. Emergency compressor S-412M Fitting 3/4"			
	Dimensions, mm, max	19000 × 2500 × 4500 (wi	thout racking platform)		
	Truck weight, t, max	60			
1.15	Auxiliary winch Hook load, t	Hydraulic 3			
	Rope diameter, mm	13			
1.16	Charging unit	APZA-500			
	Measurement package	DEL-150			
	Controlled parameters	string weight, hydraulic t	ong torque, rotor torq	ue and rpm, hydraulic f	luid pressure.

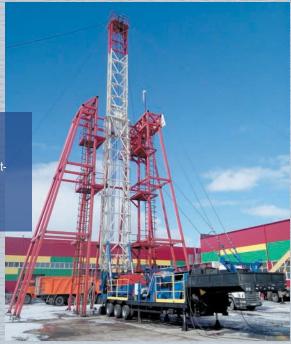


1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble-type incline levels
1.21	Emergency engine stop	Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	Stroke – 1000mm, force 5t, location at the truck mast.
1.23		
	Remote mast lifting and upper section extension console	Cable 45m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	R-80×400 or RUP-560 type.
		Reversing rotor drive reducing gear with pneumatic brake for the
		spring release. Drive to rotor with universal-shaft or chain drive. Rotation transmission to rotary table by vertical universal shaft or chain
		reducing gear.
		reducing gear.
1.26	Hydraulic rotor drive	R-80×400 or RUP-560 type with hydraulic drive. Rotor actuation from
		the 2 axial-piston pumps of 310.4.112 type.
		Installation of hydraulic oil cooling system is available.
2	Rotary base	Telescopic type. Dimensions:
		6×2.5×5m (to rotary table) in working position. Manual hoist
		5t.Blowout preventer service platform. Enclosure with shelter of
		2.5m high with weather shield
3	Standing pipe rack	Telescopic type. Dimensions: 6×2.5×5m (surface to ground)
4	Rotor RUP-560 with PKR-560	Drive from bevel gear box through the vertical universal-shaft. Carrying
	(or spider SPG-100)	capacity – 150t, opening Ø560mm, torque 20000NM, speed 0-150rpm,
		bushing 89×89mm
5	Drilling swivel VB-100	Carrying capacity – 100t, clear opening 75mm.
6	Kelly stem	VBT-89x89x11300
7	Drilling link (pair)	ShBD-100x1500
8	Catwalk	Skid-mounted. Dimensions, mm
4		14000×2300×600, 6 racks of 6m long. Pipe kick-back. Chute, width 1500mm.
9	Ramp	Height 300 mm

BARS-125

Truck for the well workover, completion and drilling

1. PurposeThe truck is intended for well workover, completion and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.



		and the second second
1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Drive-train of upper equipment (transfer gearbox group, distributing reduction gear, rotor drive reducing gear)	1
	Drilling draw-works with "rapid" and "slow" travel chain drive, auxiliary hydrodynamic brake of "hydromat" type and air-operated	1
	Mast with crown-block, manifold standpipe	1 set
	Racking platform with derrick escape and shelter	1
	Remote mast lifting and upper section extension console	1
	Hook block	1
	Driller's station with the driller's console	1
	Back foundation beam	1
	GKSh-3200, GKSh-4000 type hydraulic tong hanger	1
	KMT type power tongs hanger	2
	ESP roller bracket hanger	1
	Mud bucket hanger	1
	Electrical equipment connecting cable, m	50
	Emergency drive for the string RIH/POOH operation completion and rig dismantling	1
	Truck electric, hydraulic, pneumatic systems	set
	Hydraulic catheads	2
	Traveling block limit switch	1
	Overload limiter	1
	Operating and accompanying documentation	set
	Truck SPK	set
	Spare wheel holder	1
0		1
2	Measurement package DEL-150	
3	Rotary base	1
4	Standing pipe rack	1
5	Rotor RUP-560 with PKR-560 (or spider SPG-125)	set
6	Drilling swivel VB-125	
/	Kelly stem VBT-108×108×1030	
8	Drilling link (pair)ShBD-125×1800	
9	Catwalk	
10	Ramp	set
11	Emergency compressor S-412M	



1	Derrick and draw-works unit					
1.1	Safe hook load, t	125				
	- with wind guys installation	125				
	- without wind guys installation					
1.2	Transport base	Self-propelled	Self-propelled	Self-propelled	Semitrailer	
		chassis	chassis	chassis	SP-95183	
-u-		SABR-23103-07	BAZ-69099	MZKT-7003		
	Wheel arrangement	14x12.1	12x12.1	12x12.1	3-axle	
					2-tire	
	Truck and chassis power drive	TMZ-8431	TMZ-8431	TMZ-8431	TMZ-8431	
	Engine power, hp.	470	470	470	470	
	Gearbox	YaMZ-239	YaMZ-239	YaMZ-239	YaMZ-239	
1.2	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Tillian and four bases				
1.3	Truck mast with "tubing	Tilting open-face box-se	ection mast			
	anchor"	material St. 09Γ2C				
	Number of sections	2				
	Ground to crown-block axis height, m	32-37				
	Hook lifting height, m	28-33				
	Tilt angle, deg.	3°				
	Mast lifting	2 hydraulic cylinders				
	Upper section extension	Hydraulic draw-works	0.000.00			
	Manifold standpipe with service platform	DN76, pressure 350kg/sn		d on the bottom, with pha	ase separator, pres	
		sure-gauge and hydraulic	fluid pressure sensor.			
1.4	Plack and taskle system					
1.4	Block-and-tackle system	6×4, 8-fold				
	String-up Rotary-drill line diameter, mm	28				
1 5			famos millo alcaltan leatel	405		
1.5	Racking platform	3 platform positions, plat	form with shelter, heigh	nt 2.5 m, with escape sy	stem	
	Ø114mm tubing board capacity, lin.m	3000				
16			rain of "ranid" and "alay	w" trough		
1.6	Drilling draw-works	With chain drive, drive-train of "rapid" and "slow" travel				
	Draw-works brake	Double-band with equalizer, shoes 230×120mm, service brake – hand-				
	A diliana banka			comm, service brake -	- nanu-	
	Auxiliary brake	operated, auxiliary – foo Hydrodynamic, "hydroma				
		riyurouynamic, riyuroma	я туре			
1.7	Driller's station with the driller's console	Located at the bottom r	nast section at the work	king platform height		
	Driller's shelter	Rubb shelter		ang pianonin noight		
	Driller's station floor heating		f heating element or stea	am heating from steam g	ener-	
	Drinor o dataon noor noothing	ating unit.		an noating nom otoam g		
1.8	Hydraulic system		2 items: axial-piston pur	mp for actuation of truck r	machinery	
	Tryanadio bystom	GKSh-3200 type hydraul			naoriinory,	
		Orton 0200 type nyaraa	ic tong and reor occ typ	oc riyaraano rotor.		
1.9	Pneumatic system	With air dryer, air receive	ers volume - 1001 up to	10		
	Operating pressure, kg/cm² Addi-	Pneumatic spider conne	ector			
	tional equipment	Thounaud opidor donni				
1.10	Truck electrical equipment	Explosion-proof design	E NUMBER OF THE PARTY.			
1.10	Truck lighting	Explosion-proof LED la	mne	San Land Control		
1.11	Power supply voltage, V	24	iiip3			
1.12	Emergency drive for the RIH/POOH operation com-	Electric motor 30kW, 380)V chain drive to drive to	rain		
2	pletion and rig dismantling	Emergency compresso				
	External hydraulic power unit connection	3/4"	O ITZWITKING			
1 13	Dimensions, mm, max	27000 × 3300 × 4500 (w	ithout racking platform)		Designation of the last	
	Truck weight, t, max	70 × 3300 × 4300 (w	inibat racking platform)			
	Auxiliary winch	Hydraulic				
10	Hook load, t	3				
	Rope diameter, mm	13				
1.16	Charging unit	APZA-800				
	Measurement package	DEL-150				
1.17	Controlled parameters		tong torque nower ton	ngs torque, rotor torque	and rom	
515	Controlled parameters	hydraulic fluid pressure			ана трит,	
		IIIVUI auliu liulu biessule	III LITE III AI III OIU STAITUD	NC.		

1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble or electronic type incline levels
1.21	Emergency engine stop	
	Emergency engine ctop	Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	Stroke – 1000mm, force 5t, location at the truck mast.
1.23		
	Remote mast lifting and upper section extension console	Cable 45m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	Rotor RUP-560. Actuation through
		reversing rotor drive reducing gear with pneumatic brake for the spring re- lease. Rotation transmission to rotor from the bevel gear box through the vertical universal-shaft.
1.26	Hydraulic rotor drive	RUP-560 type with hydraulic drive. Rotor actuation from the 2 axial-piston pumps of 310.4.112 type. Installation of hydraulic oil cooling system is available.
2	Rotary base	Telescopic type. Dimensions:
		6×2.5×6m (to rotary table) in working position. Manual hoist (2 items) 5t.Blowout preventer service platform. Enclosure with shelter of 2.5m high with weather shield
3	Standing pipe rack	Telescopic type. Dimensions: 6×2.5×6m (surface to ground)
4	Rotor RUP-560 with PKR-560 (or spider SPG-125)	Carrying capacity – 150t, opening Ø560mm, torque 20000NM, speed 0-150rpm, kelly stem bushing 108×108mm
5	Drilling swivel VB-125	Carrying capacity – 125t, clear opening 75mm.
6	Kelly stem	VBT-108×108×11300
7	Drilling link (pair)	ShBD-125×1800
8	Catwalk	Skid-mounted. Dimensions, mm
		14000×2300×600, 6 racks of 6m long. Pipe kick-back. Chute, width 1500mm.
9	Ramp	Height 300 mm



BARS-140 Truck for the well workover, completion and drilling

1. Purpose

The truck is intended for well workover, completion and drilling in the regions with temperate and cold climate at the ambient temperature from - 45°C to +50°C. Climatic modification – y, placement category – I as per the GOST 15150.



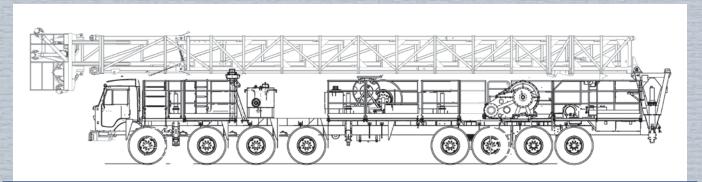
1	Derrick and draw-works unit	1
145	Chassis with the power-plant	1
	Drive-train of upper equipment (transfer gearbox group, distributing reduction gear, rotor drive reducing gear)	1
	Drilling draw-works with "rapid" and "slow" travel chain drive, auxiliary hydrodynamic brake of "hydromat" type and air-operated	1
	Mast with crown-block, manifold standpipe	1
	Racking platform with derrick escape and shelter	1
	Remote mast lifting and upper section extension console	1
	Hook block	1
	Driller's station with the driller's console	1
	Back foundation beam	1
	GKSh-3200, GKSh-4000 type hydraulic tong hanger	1
	KMT type power tongs hanger	2
	ESP roller bracket hanger	1
	Mud bucket hanger	1
	Electrical equipment connecting cable, m	50
	Emergency drive for the string RIH/POOH operation completion and rig dismantling	1
	Truck electric, hydraulic, pneumatic systems	set
	Hydraulic catheads	2
	Traveling block limit switch	1
	Overload limiter	1
	Operating and accompanying documentation	set
	Truck SPK	set
	Spare wheel holder	1
2	Measurement package DEL-150	1
3	Rotary base	1
4	Standing pipe rack	1
5	Rotor RUP-560 with PKR-560 (or spider SPG-140)	set
6	Drilling swivel VB-140	1
7	Kelly stem VBT-108×108×11300	1
8	Drilling link (pair)ShBD-140×1800	1
9	Catwalk	1
10	Ramp	set
11	Emergency compressor S-412M	1

1 1.1	Derrick and draw-works unit Safe hook load, t	140		HE NEW THE	
	- with wind guys installation	140			
	- without wind guys installation				
.2	Transport base	Self-propelled	Self-propelled	Self-propelled	Semitrailer
		chassis	chassis	chassis	SP-95183
	NAME OF THE PROPERTY OF THE PR	SABR-23103-07	BAZ-69099	MZKT-7003	2
	Wheel arrangement	14x12.1	12x12.1	12x12.1	3-axle 2-tire
	Truck and chassis power drive	TMZ-8431	TMZ-8431	TMZ-8431	TMZ-8431
	Engine power, hp.	470	470	470	470
	Gearbox	YaMZ-239	YaMZ-239	YaMZ-239	YaMZ-239
.3	Truck mast with "tub-	Tilting open-face box-seg material St. 09Γ2C	ction mast		
	ing anchor"				
	Number of sections	2 37			
	Ground to crown-block axis height, m Hook lifting height, m	33			
	Tilt angle, deg.	3°			
	Mast lifting	2 hydraulic cylinders			
	Upper section extension	Hydraulic draw-works			
	Manifold standpipe with service platform	DN76, pressure 350kg/sm	² BRS-3" on the top a	and on the bottom with a	nhase senara-
	Warmord Startopipo With Solvice platform	tor, pressure-gauge and h			priago oopaia
4	Block-and-tackle system				
	String-up	6×4, 8-fold			
	Rotary-drill line diameter, mm	28			
.5	Racking platform	3 platform positions, platf	form with shelter, heigh	ght 2.5 m, with escape	system
	Ø114mm tubing board capacity, lin.m	3500			
.6	Drilling draw-works	With chain drive, drive-tr	ain of "rapid" and "slo	w" travel	
	Draw-works brake	D 11 1 1 11	l' 1 000 4	20	
	Ailiam, buoka	Double-band with equa		zumm, service brake	– nana-
	Auxiliary brake	operated, auxiliary – fool Hydrodynamic, "hydromat			
.7	Driller's station with the driller's console	Located at the bottom m		king platform hoight	
1	Driller's shelter	Rubb shelter	ast section at the wor	king platform neight.	
	Driller's station floor heating	Electrical explosion-proof	heating element or ste	eam heating from steam	gener-
	Driller 3 station floor fleating	ating unit.	ricating cicinont of ste	an neating nom steam	gorioi
.8	Hydraulic system	310.4.112 type pumps –	2 items; axial-piston p	oump for actuation of tr	ruck ma-
		chinery, GKSh-3200 type			
		Installation of oil cooler is			
.9	Pneumatic system	With air dryer, air receiver	s volume – 100l.		
	Operating pressure, kg/cm ² Addi-	7			
	tional equipment	Pneumatic spider conne	ctor		
10	Truck electrical equipment	Explosion-proof design			
11	Truck lighting	Explosion-proof LED lam	nps		
	Power supply voltage, V	24			The later
12	Emergency drive for the RIH/POOH operation com-	Electric motor 30kW, 380		train.	
	pletion and rig dismantling	Emergency compressor	S-412M Fitting		
	External hydraulic power unit connection	3/4"	A STATE OF THE STA		
13	Dimensions, mm, max	27000 × 3300 × 4500 (wit	hout racking platform)		and the last
14	Truck weight, t, max	75			
15	Auxiliary winch	Hydraulic			
	Hook load, t	3			
	Rope diameter, mm	13			
16	Charging unit	APZA-800			
.17	Measurement package	DEL-150		and to make the to	a and many law
	Controlled parameters	String weight, hydraulic t		ngs torque, rotor torque	e and rpm, hydra
	Control of the Contro	lic fluid pressure in the m	ianitoid standpipe.		



1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble or electronic type incline levels
1.21	Emergency engine stop	
		Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	
		Stroke – 1000mm, force 5t, location at the truck mast.
1.23	Remote mast lifting and upper section extension	
	console	Cable 45m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	Rotor RUP-560.
		Actuation through reversing rotor drive reducing gear with pneu-
		matic brake for the spring release. Rotation transmission to rotor
		from the bevel gear box through the vertical universal-shaft.
1.26	Hydraulic rotor drive	RUP-560 type with hydraulic drive.
		Rotor actuation from the 2 axial-piston pumps of 310.4.112 type. Instal-
		lation of hydraulic oil cooling system is available.
2	Rotary base	Telescopic type. Dimensions:
		6×2.5×6m (to rotary table) in working position. Manual hoist (2 items)
		5t.Blowout preventer service platform. Enclosure with shelter of 2.5m
		high with weather shield
3	Standing pipe rack	Telescopic type. Dimensions:
		6×2.5×6m (surface to ground)
4	Rotor RUP-560 with PKR-560	
	(or spider SPG-140)	Carrying capacity – 150t, opening Ø560mm, torque 20000NM, speed
		0-150rpm, kelly stem bushing 108×108mm
5	Drilling swivel VB-140	Carrying capacity – 140t, clear opening 75mm.
6	Kelly stem	VBT-108×108×11300
7	Drilling link (pair)	ShBD-140×1800
8	Catwalk	Skid-mounted. Dimensions, mm
	other managed by the standard by the	14000×2300×600, 6 racks of 6m long. Pipe kick-back. Chute, width 1500mm.
9	Ramp	Height 300 mm

BARS-160 Truck for the well workover, completion and drilling



1. Purpose

The truck is intended for well workover, completion and drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.

1	Derrick and draw-works unit	1
	Chassis with the power-plant	1
	Drive-train of upper equipment (transfer gearbox group, distributing reduction gear, rotor drive reducing gear)	1
	Drilling draw-works with "rapid" and "slow" travel chain drive, auxiliary hydrodynamic brake of "hydromat" type and air-operated	1
	Mast with crown-block, manifold standpipe	1
	Racking platform with derrick escape and shelter	1
	Remote mast lifting and upper section extension console	1
	Hook block	1
	Driller's station with the driller's console	1
	Back foundation beam	1
	GKSh-4000, GKSh-4000 type hydraulic tong hanger	1
	KMT type power tongs hanger	2
	ESP roller bracket hanger	1
	Mud bucket hanger	1
	Electrical equipment connecting cable, m	50
	Emergency drive for the string RIH/POOH operation completion and rig dismantling	1
	Truck electric, hydraulic, pneumatic systems	set
	Hydraulic catheads	2
	Traveling block limit switch	1
	Overload limiter	1
	Operating and accompanying documentation	set
	Truck SPK	set
	Spare wheel holder	1
2	Measurement package DEL-150	1
3	Rotary base	1=0-
4	Standing pipe rack	1
5	Rotor R-560 with PKR-560M	set
6	Drilling swivel VB-160	
/	Kelly stem VBT-140x140x11500	
8	Drilling link (pair)ShBD-160×1800	
9	Catwalk	
10	Ramp	set
11	Emergency compressor S-415	

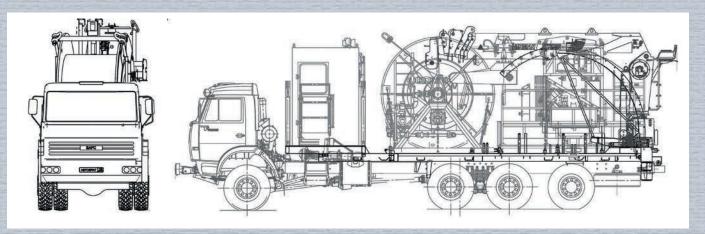


	Derrick and draw-works unit			
.1	Safe hook load, t	160		
	- with wind guys installation	160		
	- without wind guys installation			
2	Transport base	Self-propelled chassis	Self-propelled chassis	Semitrailer
		SABR-23103-08	PS-7	SP-96183
	Wheel arrangement	16×14.1	14×14.1	4-axle 2-tire
	Truck and chassis power drive	S-18, YaMZ-8502	S-18, YaMZ-8502	S-18, YaMZ-8502
	Engine power, hp.	600	600	600
	Gearbox	Allison 4700 OFS	Allison 4700 OFS	Allison 4700 OFS
3	Truck mast with "tub-	Tilting open-face box-section	nn mast	
	ing anchor"	material St. 09Γ2C	an indot	
	Number of sections	2		
	Ground to crown-block axis height, m	37		
		33		
	Hook lifting height, m	3°		
	Tilt angle, deg.			
	Mast lifting	2 hydraulic cylinders		
	Upper section extension	Hydraulic draw-works	DDC 2" on the terrard and the live	ttom with phase serve
	Manifold standpipe with service platform		BRS-3" on the top and on the bo	ttorn, with phase separa-
		tor, pressure-gauge and hyd	raulic liulu pressure serisor.	
4	Block-and-tackle system			
	String-up	6x5		
	Rotary-drill line diameter, mm	28		
5	Racking platform	3 platform positions, platform	m with shelter, height 2.5 m, wi	th escape system
	Ø127mm tubing board capacity, lin.m	3300		
	Drilling draw-works	With aboin drive drive train	of "ranid" and "alou" traval	
6	Draw-works brake	With chain drive, drive-train of		waka hand
	Draw-works brake		r, shoes 230×120mm, service b	orake – nano-
	A	operated, auxiliary – foot-op		
	Auxiliary brake	Hydrodynamic, "hydromat" ty		
7	Driller's station with the driller's console		section at the working platforn	n neight.
	Driller's shelter	Rubb shelter		
	Driller's station floor heating	Electrical explosion-proof he unit.	ating element or steam heating f	rom steam generating
8	Hydraulic system		ems; axial-piston pump for actua	tion of truck machinery
		GKSh-4000 type hydraulic to		1
9	Pneumatic system	With air dryer, air receivers v		
-	Operating pressure, kg/cm² Addi-	7		
	tional equipment	Pneumatic spider connecto	r	
10	Truck electrical equipment	Explosion-proof design		
11	Truck lighting	Explosion-proof LED lamps		
15	Power supply voltage, V	24		
12		Electric motor 50kW, 380V, o	chain drive to drive-train	
	Emergency drive for the RIH/POOH operation comple-	Emergency compressor S-4		
	tion and rig dismantling	3/4"		
13	Dimensions, mm, max	27000 × 3500 × 4500 (withou	it racking platform)	
	Truck weight, t, max	80	at racking place.	
4	Auxiliary winch	Hydraulic		
5	Hook load, t	5		
0	Rope diameter, mm	15		
C				
6	Charging unit	APZA-800		
17	Measurement package	DEL-150		4
	Controlled parameters	String weight, hydraulic ton hydraulic fluid pressure in the	g torque, power tongs torque, r	otor torque and rpm,
		nydraulic fluid pressure in t	ne manifold standpine	

1.18	Overload limiter	Electro-pneumatic based on the DEL-150 device
1.19	Hook block lifting height limiter	Electro-pneumatic, cable-type
1.20	Truck leveling	2 bubble-type incline levels
1.21	Emergency engine stop	
		Air gate valve operated from the driller's station and remote console.
1.22	Hydraulic catheads, 2 items	
		Stroke – 1000mm, force 5t, location at the truck mast.
1.23		
	Remote mast lifting and upper section extension console	Cable 45m
1.24	Locking of stabilizing jacks	Mechanical locks
1.25	Mechanical rotor drive	Rotor R-560.
		Actuation through reversing rotor drive reducing gear with pneu-
		matic brake for the spring release. Rotation transmission to rotor
		through the chain reducing gear.
2	Rotary base	Telescopic type. Dimensions:
		6×2.5×6m (to rotary table) in working position. Manual hoist (2 items)
		10t.Blowout preventer service platform. Enclosure with shelter of 2.5m
		high with weather shield
3	Standing pipe rack	Telescopic type. Dimensions:
	D 4 D 500 111 DIVD 500M	6×2.5×6m (surface to ground)
4	Rotor R-560 with PKR-560M	Carrying capacity – 150t, opening Ø560mm, torque 20000NM, speed 0-
		150rpm, kelly stem bushing 108×108mm
5	Drilling swivel VB-160	Carrying capacity – 160t, clear opening 75mm.
6	Kelly stem	VBT-108×108×11300
7	Drilling link (pair)	ShBD-160×1800
8	Catwalk	Skid-mounted. Dimensions, mm
		14000×2300×600, 6 racks of 6m long. Pipe kick-back. Chute, width 1500mm.
9	Ramp	Height 300 mm



BARS-10K Coiled-tubing drilling rig



1. Purpose

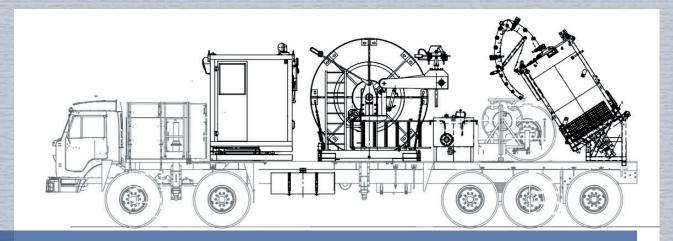
The coiled-tubing drilling rig is intended for well workover and production testing after drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.

2. Standard truck package

		ar otherwise track publicago	
	1	Chassis with the power-plant	1
Ē	2	Drive-train of upper equipment: power take-off assembly for the pump unit drive	1=
	3	Drilling rig hydraulic system	1 set
8	4	Operator's cab with operator console	1
	5	Coiled tubing reel with the reducing gear and manifold	1, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
Ì	6	Injector of h/d 12.2t	1
	7	Measuring-and-recording package	1
Į,	8	High-pressure hose reels	3
H	9	Blowout preventer equipment PPK-80×70	1
	10	Pipe reduction inspection tool (coiled tubing tuboscope)	1
ē	11	Trough-like guide	1 set
Ē	12	Telescopic legs	1 set
	13	Equipment setting device of "IM-180 IT" type	1-
i	14	Pack-off head	1

1	Coiled tubing diameter	up to Ø38.1		
2	Coiled tubing amount on the reel	2500m of Ø38.1 coiled tubing		
3	Working fluid pressure, max. MPa	up to 70		
4	Transport base Wheel arrangement Drilling rig and chassis power drive Engine power, hp. Gearbox	Self-propelled chassis SABR-22103-03 on the KamAZ 65111 assemblies 8×6.2 KamAZ-260 260 KPP-154	MAZ-6317 6×6.1 YaMZ-7511 400 YaMZ-239	KamAZ-65222 6×6.1 YaMZ-7511 400 YaMZ-239
5	Overall dimensions, m	11.5x2.5x4	10.6x2.5x4	10.8x2.5x4
6	Weight, kg	34,300	34,000	34,100
7	Truck hydraulic system	DANFOSS pumps		
8	Operator's cab with control console panel Drilling rig machinery control	Heat-insulated, object falling protection, air-co Hydraulic, from the operator console	onditioner	
9	Loudspeaking communications system			
10	Drilling rig SPK			
11	Operating and permit documentation			

BARS-20K Coiled-tubing drilling rig



1. Purpose

The coiled-tubing drilling rig is intended for well workover and production testing after drilling in the regions with temperate and cold climate at the ambient temperature from -45°C. Climatic modification – Y, placement category – I as per the GOST 15150.

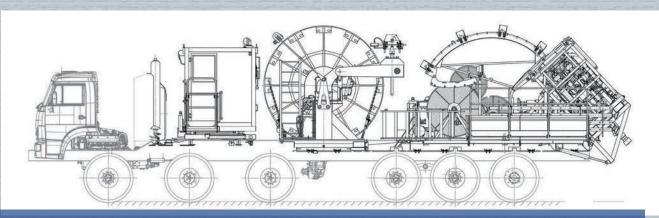
2. Standard truck package

	21 Standard track package	
1	Chassis with the power-plant	1
2	Drive-train of upper equipment: power take-off assembly for the pump unit drive	1-
3	Drilling rig hydraulic system	1 set
4	Operator's cab with operator console	1
5	Coiled tubing reel with the reducing gear and manifold	1
6	Injector of h/d 27	1 1
7	Measuring-and-recording package	1-
8	High-pressure hose reels	3
9	Blowout preventer equipment PPK-80×70	1 1 1 1 1 1
10	Pipe reduction inspection tool (coiled tubing tuboscope)	1
11	Trough-like guide	1 set
12	Telescopic legs	1 set
13	Equipment setting device of "IM-240 IT" type (semitrailer-mounted)	1-
14	Pack-off head	1

1	Coiled tubing diameter	Ø38.1 to Ø44.45mm		
2	Coiled tubing amount on the reel	3800m of Ø38.1 coiled tubing		
3	Working fluid pressure, max. MPa	up to 70		
4	Transport base	Self-propelled chassis	MZI/T OFOZAO	0
	VA/In a all a suran a annual	SABR-22103-05	MZKT-652712	Semitrailer
200	Wheel arrangement	10x10.1	8x8.1	4-axle single-tire
	Drilling rig and chassis power drive	YaMZ-7511	YaMZ-7511	YaMZ-7511
	Engine power, hp.	400	400	400
	Gearbox	YaMZ-239	YaMZ-239	YaMZ-239
5	Overall dimensions, m	16x2.5x4	13.6x2.5x4	20x2.5x4
6	Weight, kg max.	49,000	46,000	42,000
7	Truck hydraulic system	DANFOSS pumps		
8	Operator's cab with control console panel	Heat-insulated, object falling pro	otection, air-conditioner	
	Drilling rig machinery control	Hydraulic, from the operator con	nsole	
9	Loudspeaking communications system			
10	Drilling rig SPK	Her Land House Harry		
11	Operating and permit documentation		THE PARTY.	



BARS-30K Coiled-tubing drilling rig



1. Purpose

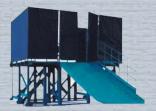
The coiled-tubing drilling rig is intended for well workover and production testing after drilling in the regions with temperate and cold climate at the ambient temperature from -45°C to +50°C. Climatic modification – Y, placement category – I as per the GOST 15150.

2. Standard truck package

1	Chassis with the power-plant	1
2	Drive-train of upper equipment: power take-off assembly for the pump unit drive	1
3	Drilling rig hydraulic system	1 set
4	Operator's cab with operator console	1
5	Coiled tubing reel with the reducing gear and manifold	1
6	Injector of h/d 27 or 36t	1
7	Measuring-and-recording package	1
8	High-pressure hose reels	3
9	Blowout preventer equipment PPK-80×70	1
10	Pipe reduction inspection tool (coiled tubing tuboscope)	1
11	Trough-like guide	1 set
12	Telescopic legs	1 set
13	Equipment setting device of "IM-240 IT" type (semitrailer-mounted)	1
14	Pack-off head	1

1	Coiled tubing diameter	Ø38.1 to Ø44.45mm		
2	Coiled tubing amount on the reel	5000m of Ø38.1 coiled tubing		
3	Working fluid pressure, max. MPa	up to 70		
4	Transport base	Self-propelled chassis SABR-22103-06	MZKT-7004	Semitrailer
	Wheel arrangement	12x12.1	10x10.1	5-axle single-tire
	Drilling rig and chassis power drive	YaMZ-7511	YaMZ-7511	YaMZ-7511
	Engine power, hp.	400	400	400
	Gearbox	YaMZ-239	YaMZ-239	YaMZ-239
5	Overall dimensions, m	16.7x2.5x4.2	15x2.5x4.2	13x2.5x4
6	Weight, kg	62,000	59,000	55,000
7	Truck hydraulic system	DANFOSS pumps		
8	Operator's cab with control console panel Drilling rig machinery control	Heat-insulated, object falling pro Hydraulic, from the operator cor		
9	Loudspeaking communications system			
10	Drilling rig SPK	AND REPORTED IN		
11	Operating and permit documentation			

Accessories and additional equipment for the truck-mounted workover rigs



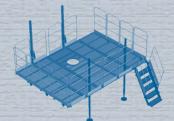
Working power platform Mast



Catwalk



semitraileror skid-mounted



Lightweight wellhead working platform with ad-justable height



Ramp



Auxiliary draw-works (Kermak)



Retractable winch of upper mast section



Drilling draw-works



Bevel gear box



Crown-block



Drilling rotor (chain, universal-shaft, hydraulic)



Drilling, tubing, circulation swivels



Hook block, traveling block



Elevators



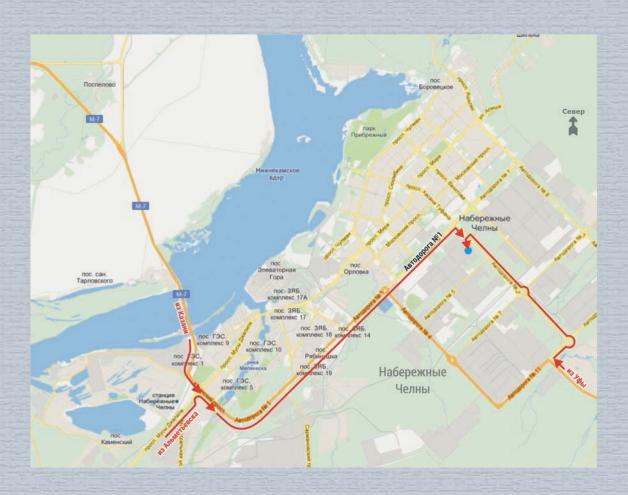
GKSh-1200/1500/1800/3200/4000 type hydraulic tongs



Kelly stems



Orilling links



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