

① With the advancement of technology, the product will be improved constantly, and the technical information of our machines may be different from the real objects. The supply status of the actual machine should be based on the sales contract, and the samples are for reference only. If you want to get the latest information about related products, please keep in touch with us in time.

 www.goodeng.com.cn



FOR BETTER CUTTING



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HORIZONTAL DIRECTIONAL DRILLING MACHINE PRODUCT MANUAL

PROFILE

"Goodeng Machine" was established in May 2002, is a national high-tech enterprise engaged in R&D, production, sales and service of trenchless machinery, piling machinery, mining machinery, the main products are GS series of horizontal directional drilling machine, GPY series of static pile driver, GM series of surface drilling machine and accessories.

In 2012, "Goodeng Machine" was identified as "National High-tech Enterprise", and successfully got the acceptance and achievement appraisal of the project named "Research on Key Technologies and Product Development of Heavy-duty intelligent trenchless directional drilling rig". The company R&D center was recognized as China Machine Engineering Technology Research Center, many products have obtained the mechanical industry science and technology progress awards from national and provincial government. In 2018, "GOODENG" won the "China Well-known Trademark".

In 2022, the company was in the directory of listing cultivation plan for Jiangsu Technology Enterprise. The first "Goodeng Machine" overseas manufacturing base broke ground in Thailand in the same year, covering an area of nearly 80000 m². The company also has two manufacturing bases in China, covering an area of more than 150000 m², with more than 500 employees, a number of modern intelligent production lines, which can provide 3,000 sets various types of machinery per year. "Goodeng Machine" products are sold all over the country, and also exported to nearly 30 countries and regions in Asia, Europe, Australia, South America and Africa. "Goodeng Machine" realizes resource sharing and creates greater value for customers through the gradually expanding global marketing branch.

Chinese factory

150000⁺ m²
(Phase three will be built)

Thailand factory

80000 m²

Employee

500⁺

Annual output/year

3000 Sets

Sales

30⁺ Country and region

MEMBER COMPANIES



JIANGSU GOODENG PILING TECHNOLOGY CO., LTD

Focus on the R&D, production and manufacturing of pile machinery.

MALAYSIAN COMPANY

Focus on sales and service in the Southeast Asian market.

SINGAPORE COMPANY

Focus on sales and service in overseas markets.

**JIANGSU GOODENG MACHINERY PARTS
MANUFACTURING CO., LTD.**

Focus on the manufacture and sales of various construction machinery parts.

**JIANGSU GOODENG HEAVY MACHINERY
TECHNOLOGY CO., LTD**

Focus on the R&D, manufacturing of HDD machinery, mining machinery and the marketing of a full range of "Goodeng Machine" products.

**JIANGSU GOODENG HEAVY MACHINERY
TECHNOLOGY CO., LTD (SHANGHAI BRANCH)**

Focus on the sales and service of various construction machinery in global markets.

THAILAND FACTORY

Overseas manufacturing base



CORPORATE SPIRIT

Enterprise mission

For better city !

Enterprise vision

To become a first-class international machinery manufacturing enterprise.

Enterprise values

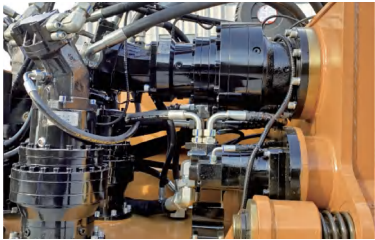
Pursue Efficiency, Encourage Innovation, People-Oriented, Team-Work, Create Value For Customers.

GS500GAT-LS/GS500AT-LS

ALL TERRAIN HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	16100/16500 kg	Dimension(L×W×H)	8640/9240×2300×2500 mm
Max. Thrust & Pullback Force	500/1000 kN	Max. Thrust & Pullback Speed	60 m/min
Exterior Rod Max. Torque	27000 N·m	Exterior Rod Max. Rotation Speed	118 r/min
Interior Rod Max. Torque	3000 N·m	Interior Rod Max. Rotation Speed	240 r/min
Exterior Rod Drill Rod Size	Φ92×3000/4500 mm	Max. Mud flow	600 L/min
Interior Rod Drill Rod Size	Φ46.4×3000/4500 mm	Engine Power	194 kW
Walking Speed	3-5 km/h	Max. Climbing Gradient	18°
Entry Angle	12° -20°	Crane Capacity	2 T
Suggest Reaming Dia.	≤ Φ1500 mm	Suggest Crossing Length	≤ 600 m

GS50-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	3650 kg	Dimension(L×W×H)	3870×1300×1470mm
Max. Thrust & Pullback Force	51 kN	Max. Thrust & Pullback Speed	61 m/min
Max. Torque	2235 N·m	Max. Rotation Speed	215 r/min
Engine Power	43 kW	Max. Mud flow	75 L/min
Walking Speed	2.5 km/h	Max. Mud Pressure	6 Mpa
Entry Angle	14° -17°	Max. Climbing Gradient	17°
Drill Rod Size	Φ42×1800 mm	Drill Rod Box capacity	44 pcs (4×11)
Suggest Reaming Dia.	≤ Φ400 mm	Suggest Crossing Length	≤ 100 m

GS130-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



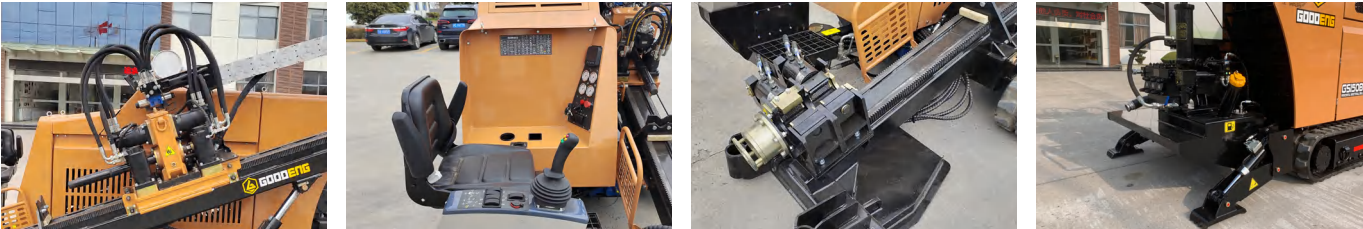
MAIN TECHNICAL PARAMETERS

Weight	4750kg	Dimension(L×W×H)	5470×1670×2040 mm
Max. Thrust & Pullback Force	135 kN	Max. Thrust & Pullback Speed	36 m/min
Max. Torque	4500 N·m	Max. Rotation Speed	193 r/min
Engine Power	93 kW	Max. Mud flow	200 L/min
Walking Speed	2.5-4.5 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -22°	Max. Climbing Gradient	16°
Drill Rod Size	Φ50/Φ60×3000 mm	Drill Rod Box capacity	48 pcs (4×12)
Suggest Reaming Dia.	≤ Φ700 mm	Suggest Crossing Length	≤ 200 m

GS150-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4700kg	Dimension(L×W×H)	4200×1700×2140 mm
Max. Thrust & Pullback Force	150 kN	Max. Thrust & Pullback Speed	46 m/min
Max. Torque	4500 N·m	Max. Rotation Speed	193 r/min
Engine Power	93 kW	Max. Mud flow	180 L/min
Walking Speed	2.5-4.5 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -22°	Max. Climbing Gradient	17°
Drill Rod Size	Φ60×2000 mm	Drill Rod Box capacity	56 pcs (4×14)
Suggest Reaming Dia.	≤ Φ700 mm	Suggest Crossing Length	≤ 200 m

GS200-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	8800kg	Dimension(L×W×H)	6750×2050×2400 mm
Max. Thrust & Pullback Force	205 kN	Max. Thrust & Pullback Speed	60 m/min
Max. Torque	6500 N·m	Max. Rotation Speed	230 r/min
Engine Power	113 kW	Max. Mud flow	250 L/min
Walking Speed	2.5-4 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -22°	Max. Climbing Gradient	17°
Drill Rod Size	Φ60×3000 mm	Drill Rod Box capacity	48 pcs (4×12)
Suggest Reaming Dia.	≤ Φ800 mm	Suggest Crossing Length	≤ 300 m

GS250-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	9200kg	Dimension(L×W×H)	6950×2160×2400 mm
Max. Thrust & Pullback Force	255/375 kN	Max. Thrust & Pullback Speed	45 m/min
Max. Torque	8100 N·m	Max. Rotation Speed	190 r/min
Engine Power	110 kW	Max. Mud flow	250 L/min
Walking Speed	2.5-4 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -22°	Max. Climbing Gradient	17°
Drill Rod Size	Φ60×3000 mm	Drill Rod Box capacity	48 pcs (4×12)
Suggest Reaming Dia.	≤ Φ800 mm	Suggest Crossing Length	≤ 300 m

GS320-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	9700 kg	Dimension(L×W×H)	7300×2150×2250 mm
Max. Thrust & Pullback Force	350/700 KN	Max. Thrust & Pullback Speed	40 m/min
Max. Torque	12600 N·m	Max. Rotation Speed	140 r/min
Engine Power	153 kW	Max. Mud flow	320 L/min
Walking Speed	3.5-6 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -22°	Max. Climbing Gradient	18°
Drill Rod Size	Φ73×3000 mm	Drill Rod Box capacity	36 pcs (4×9)
Suggest Reaming Dia.	≤ Φ900 mm	Suggest Crossing Length	≤ 400 m

GS360-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



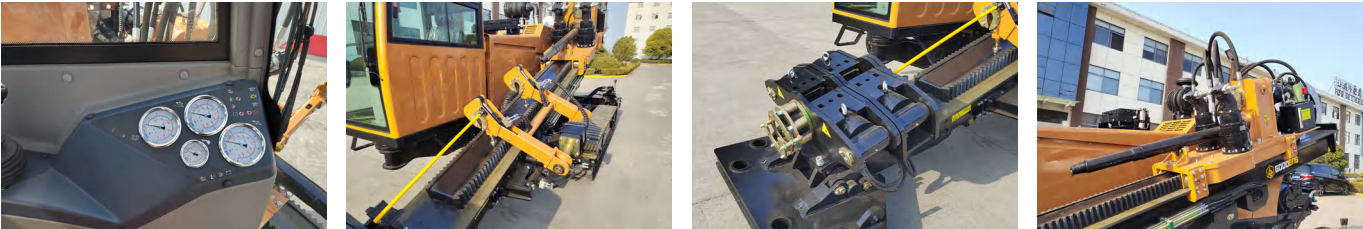
MAIN TECHNICAL PARAMETERS

Weight	9800 kg	Dimension(L×W×H)	7300×2230×2310 mm
Max. Thrust & Pullback Force	380/760 kN	Max. Thrust & Pullback Speed	36 m/min
Max. Torque	14000 N·m	Max. Rotation Speed	135 r/min
Engine Power	153 kW	Max. Mud flow	400 L/min
Walking Speed	2.5-4 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	13° -23°	Max. Climbing Gradient	18°
Drill Rod Size	Φ73/Φ76×3000 mm	Drill Rod Box capacity	36 pcs (4×9)
Suggest Reaming Dia.	≤ Φ1000 mm	Suggest Crossing Length	≤ 500 m

GS430-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

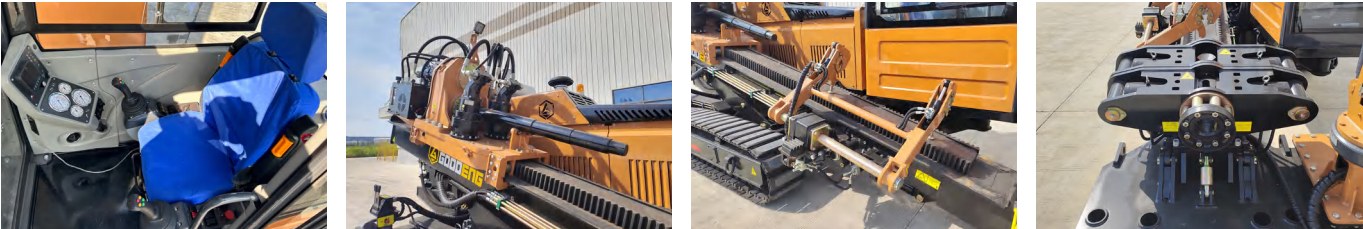
Weight	13000 kg	Dimension(L×W×H)	7300×2250×2270 mm
Max. Thrust & Pullback Force	430/860 kN	Max. Thrust & Pullback Speed	53 m/min
Max. Torque	19000 N·m	Max. Rotation Speed	185 r/min
Engine Power	179 kW	Max. Mud flow	450 L/min
Walking Speed	3-5 km/h	Max. Mud Pressure	8 Mpa
Entry Angle	12° -25°	Max. Climbing Gradient	18°
Drill Rod Size	Φ73/Φ83×3000 mm	Drill Rod Box capacity	27 pcs (3×9)
Suggest Reaming Dia.	≤ Φ1350 mm	Suggest Crossing Length	≤ 650 m

GS500G-LS/GS500-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	15800/16200 kg	Dimension(L×W×H)	7520/8210×2250×2520 mm
Max. Thrust & Pullback Force	500/1000 kN	Max. Thrust & Pullback Speed	59 m/min
Max. Torque	27000 N·m	Max. Rotation Speed	118 r/min
Engine Power	194 kW	Max. Mud flow	600 L/min
Walking Speed	3-5 km/h	Max. Mud Pressure	10 MPa
Entry Angle	12° -20°	Max. Climbing Gradient	18°
Drill Rod Size	Φ89×3000/4500 mm	Crane Capacity	2 T
Suggest Reaming Dia.	≤ Φ1200 mm	Suggest Crossing Length	≤ 800 m

GS800-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	16700 kg	Dimension(L×W×H)	8700×2400×2700 mm
Max. Thrust & Pullback Force	910/1360 kN	Max. Thrust & Pullback Speed	55 m/min
Max. Torque	35000 N·m	Max. Rotation Speed	120 r/min
Engine Power	221 kW	Max. Mud flow	600 L/min
Walking Speed	3-5 km/h	Max. Mud Pressure	10 MPa
Entry Angle	12° -20°	Max. Climbing Gradient	18°
Drill Rod Size	Φ102×4500 mm	Capacity	2 T
Suggest Reaming Dia.	≤ Φ1500 mm	Suggest Crossing Length	≤ 900 m

GS1000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	20000 kg	Dimension(L×W×H)	10900×2550×3250 mm
Max. Thrust & Pullback Force	1070 KN	Max. Thrust & Pullback Speed	55 m/min
Max. Torque	45000 N·m	Max. Rotation Speed	110 r/min
Engine Power	264 kW	Max. Mud flow	800 L/min
Walking Speed	3-5 km/h	Max. Mud Pressure	10 MPa
Entry Angle	10° -19°	Max. Climbing Gradient	17°
Drill Rod Size	Φ114/Φ127×6000 mm	Crane Capacity	3 T
Suggest Reaming Dia.	≤ Φ1500 mm	Suggest Crossing Length	≤ 1000 m

GS1500-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	23000 kg	Dimension(L×W×H)	11000×2700×3300 mm
Max. Thrust & Pullback Force	1500 KN	Max. Thrust & Pullback Speed	39 m/min
Max. Torque	53000 N·m	Max. Rotation Speed	90 r/min
Engine Power	264 kW	Max. Mud flow	800 L/min
Walking Speed	3-5 km/h	Max. Mud Pressure	10 MPa
Entry Angle	10° -19°	Max. Climbing Gradient	17°
Drill Rod Size	Φ114/Φ127×6000 mm	Crane Capacity	3 T
Suggest Reaming Dia.	≤ Φ1500 mm	Suggest Crossing Length	≤ 1000 m

GS1600-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	28300 kg	Dimension(L×W×H)	11600×3100×3550 mm
Max. Thrust & Pullback Force	1700 kN	Max. Thrust & Pullback Speed	45 m/min
Max. Torque	78000 N·m	Max. Rotation Speed	105 r/min
Engine Power	316 kW	Max. Mud flow	800 L/min
Walking Speed	3-6 km/h	Max. Mud Pressure	10 MPa
Entry Angle	8° -22°	Max. Climbing Gradient	18°
Drill Rod Size	Φ127×6000 mm	Crane Capacity	3 T
Suggest Reaming Dia.	≤ Φ1500 mm	Suggest Crossing Length	≤ 1000 m

GS2200-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	30000 kg	Dimension(L×W×H)	11520×2660×3100 mm
Max. Thrust & Pullback Force	2200 kN	Max. Thrust & Pullback Speed	40 m/min
Max. Torque	83000 N·m	Max. Rotation Speed	90 r/min
Engine Power	2×242 kW	Walking Speed	3-6 km/h
Entry Angle	10° -22°	Max. Climbing Gradient	20°
Drill Rod Size	Φ127×6000 mm	Crane Capacity	3 T
Suggest Reaming Dia.	≤ Φ1600 mm	Suggest Crossing Length	≤ 1500 m

GS3000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	52000 kg	Dimension(L×W×H)	18260×3200×3600 mm
Max. Thrust & Pullback Force	3000 KN	Max. Thrust & Pullback Speed	35 m/min
Max. Torque	100000 N·m	Max. Rotation Speed	95 r/min
Engine Power	2×264 kW	Walking Speed	3-5 km/h
Entry Angle	9° -22°	Max. Climbing Gradient	18°
Drill Rod Size	Φ140/Φ168×9600 mm	Crane Capacity	5 T
Suggest Reaming Dia.	≤ Φ1800 mm	Suggest Crossing Length	≤ 2000 m

GS3800-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	58500 kg	Dimension(L×W×H)	19400×3100×3550 mm
Operation Room Weight	3000 kg	Operation Room Dimension Size (L*W*H)	6050×2450×2600 mm
Max. Thrust & Pullback Force	3800 kN	Max. Thrust & Pullback Speed	50 m/min
Max. Torque	130000 N·m	Max. Rotation Speed	96 r/min
Engine Power	2×264 kW	Entry Angle	9° -16°
Walking Speed	2.5km/h	Main Spindle Floating Distance	100 mm
Drill Rod Size	Φ140/Φ168×9600 mm	Crane Capacity	5 T
Suggest Reaming Dia.	≤ Φ1800 mm	Suggest Crossing Length	≤ 2000 m



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	69500 kg	Dimension(L×W×H)	20800×3200×3600 mm
Operation Room Weight	3000 kg	Operation Room Dimension Size (L*W*H)	6050×2450×2600 mm
Max. Thrust & Pullback Force	6700 kN	Max. Thrust & Pullback Speed	40 m/min
Max. Clamp Force	180000 N·m	Max. Rotation Speed	90 r/min
Engine Power	2×353 kW	Max. Working Pressure	35 MPa
Main Spindle Floating Distance	110 mm	Crane Capacity	5 T
Max. Clamp Force	3800 kN	Max Unscrewing Torque	482000 N·m
Entry Angle	8° -16°	Max. Climbing Gradient	18°
Walking Speed	2.5km/h	Mud Pipe Channel Diameter	4"
Drill Rod Size	Φ140 -Φ219 mm	Drill Rod length	9600 mm
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 2500 m



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	56000 kg	Rig Dimension (L×W×H)	20400×2500×3740 mm
Power Station Weight	16500kg	Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Weight	3000kg	Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Engine Power	3×410 kW	Max. Working Pressure	35 MPa
Max. Thrust & Pullback Force	6700 kN	Max. Thrust & Pullback Speed	40 m/min
Max. Torque	180000 N·m	Max. Rotation Speed	90 r/min
Max. Clamp Force	3800 kN	Max Unscrewing Torque	482000 N·m
Main Spindle Floating Distance	110 mm	Entry Angle	8° -18°
Drill Rod Size	Φ140 -Φ219 mm	Drill Rod length	9600 mm
Mud Pipe Channel Diameter	4"	Crane Capacity	5 T
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 2500 m



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	67000 kg	Rig Dimension (L×W×H)	21600×2700×3900 mm
Power Station Weight	16500kg	Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Weight	3000kg	Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Engine Power	3×410 kW	Max. Working Pressure	35 MPa
Max. Thrust & Pullback Force	8100 kN	Max. Thrust & Pullback Speed	42 m/min
Max. Torque	240000 N·m	Max. Rotation Speed	90 r/min
Max. Clamp Force	4400 kN	Max Unscrewing Torque	700000 N·m
Main Spindle Floating Distance	110 mm	Entry Angle	9° -16°
Drill Rod Size	Φ168 -Φ254 mm	Drill Rod length	9600 mm
Mud Pipe Channel Diameter	4"	Crane Capacity	8 T
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 3000 m



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	81000 kg	Rig Dimension (L×W×H)	22300×2800×39500 mm
Power Station Weight	18000kg	Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Weight	3000kg	Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Engine Power	2×565kW+264kW	Max. Working Pressure	35 MPa
Max. Thrust & Pullback Force	12000 kN	Max. Thrust & Pullback Speed	40 m/min
Max. Torque	260000 N·m	Max. Rotation Speed	85 r/min
Max. Clamp Force	5300 kN	Max Unscrewing Torque	720000 N·m
Main Spindle Floating Distance	140 mm	Entry Angle	8° -18°
Drill Rod Size	Φ168 -Φ254 mm	Drill Rod length	9600 mm
Mud Pipe Channel Diameter	4"	Crane Capacity	8 T
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 3000 m



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4750 kg
Dimension(L×W×H)	3400×1900×2000 mm
Max. Working Pressure	25 MPa
Mud Pump Stroke	140 mm
Max. Mud Pressure	10 Mpa
Engine Power	93 kW
Mud Pump Cylinder Dia.	Φ115 mm
Max Stroke Frequency	230/min
Max. Mud Flow	1000 L/min



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	5000 kg
Dimension(L×W×H)	3500×2100×2050 mm
Max. Working Pressure	25 MPa
Mud Pump Stroke	140 mm
Max. Mud Pressure	10 Mpa
Engine Power	93 kW
Mud Pump Cylinder Dia.	Φ135 mm
Max Stroke Frequency	210/min
Max. Mud Flow	1200 L/min



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	10000 kg
Dimension(L×W×H)	5940×2250×2300 mm
Max. Working Pressure	35MPa
Mud Pump Stroke	150 mm
Max. Mud Pressure	10 Mpa
Engine Power	194 kW
Mud Pump Cylinder Dia.	Φ190 mm
Max Stroke Frequency	140/min
Max. Mud Flow	1800 L/min



DETAILS

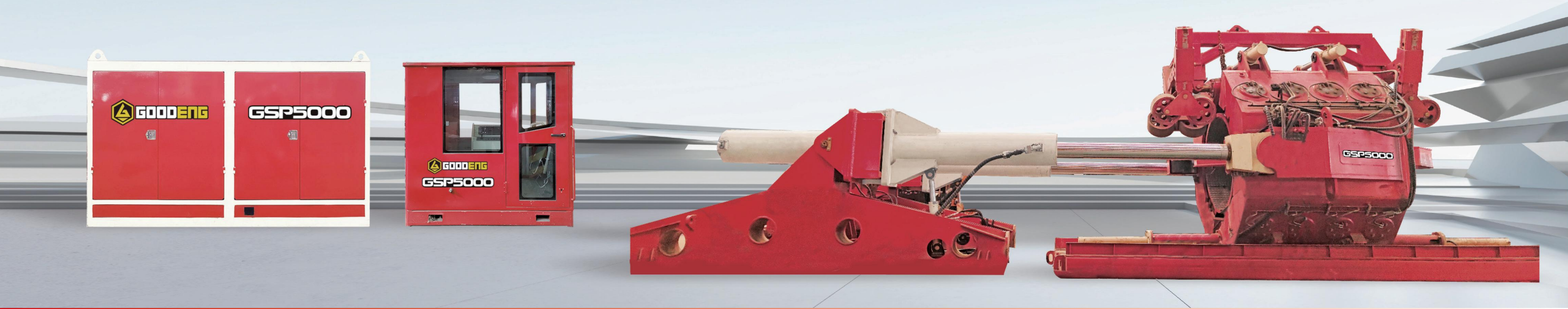


MAIN TECHNICAL PARAMETERS

Weight	14000 kg
Dimension(L×W×H)	6200×2500×2560 mm
Max. Working Pressure	35 MPa
Mud Pump Stroke	180 mm
Max. Mud Pressure	10 Mpa
Engine Power	410kW
Mud Pump Cylinder Dia.	Φ220 mm
Max Stroke Frequency	120/min
Max. Mud Flow	2500 L/min

GSP5000

PIPE THRUSTER



DETAILS



MAIN TECHNICAL PARAMETERS

Clamp Weight	30500 kg
Clamp Diameter	2120×1760×2800 mm
Thruster Weight	40000 kg
Max. Dimension of Working Condition	12570×4500×3590 mm
Engine Power	264 kW
Pipeline Range	18"-56"
Max. Thrust Force	5200 kN
Max Thrust speed	2.7 m/min
Max. Pullback Force	3600 kN
Max Pullback Speed	3.9 m/min
Stroke of Hydraulic Cylinder	3.5 m
Working Angle	-14° ~5°



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	60000 kg	Rig Dimension (L×W×H)	19700×3100×3250 mm
Power Control Room Weight	5200 kg	Power Control Room Dimension Size (L×W×H)	6050×2450×2600 mm
Operation Room Weight	3000 kg	Operation Room Dimension Size (L×W×H)	6050×2450×2600 mm
Max. Thrust & Pullback Force	6000 kN	Max. Thrust & Pullback Speed	28 m/min
Max. Torque	180000 N.m	Max. Rotation Speed	78 r/min
Total Power	700 kW	Clearance Between Breaket Unit	11.5 m
Entry Angle	6.5° - 16°	Crane Capacity	5 T
Drill Pipe Diameter	Φ140-Φ194 mm	Drill Rod length	9600 mm
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 3000 m



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	84000 kg	Rig Dimension (L×W×H)	21700*3500*3800 mm
Power Control Room Weight	5200 kg	Power Control Room Dimension Size (L×W×H)	6050×2450×2600 mm
Operation Room Weight	3000 kg	Operation Room Dimension Size (L×W×H)	6050×2450×2600 mm
Max. Thrust & Pullback Force	10000 kN	Max. Thrust & Pullback Speed	31 m/min
Max. Torque	260000 N.m	Max. Rotation Speed	91 r/min
Total Power	1000 kW	Clearance Between Breaket Unit	11.9 m
Entry Angle	6.5° - 16°	Crane Capacity	8 T
Drill Pipe Diameter	Φ140-Φ254 mm	Drill Rod length	9600 mm
Suggest Reaming Dia.	≤ Φ2000 mm	Suggest Crossing Length	≤ 3500 m



DETAILS

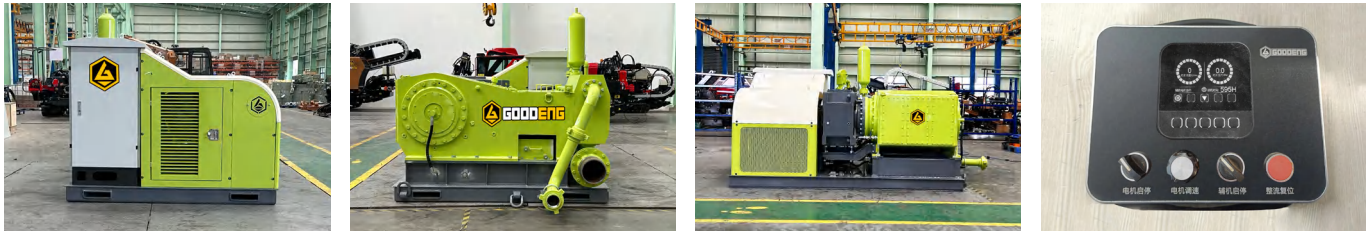


MAIN TECHNICAL PARAMETERS

Weight	12000 kg	Dimension(L×W×H)	2830×2680×2190 mm
Mud Pump Total Power	310 kW	Mud Pump Cylinder Dia.	Φ220 mm
Mud Pump Stroke	180 mm	Max. Stroke Frequency	120/min
Max. Mud Pressure	10 MPa	Mud Pump Rated Flow	2800 L/min



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	12000 kg	Dimension(L×W×H)	3150×2270×2270 mm
Mud Pump Total Power	310 kW	Mud Pump Cylinder Dia.	Φ220 mm
Mud Pump Stroke	203 mm	Max. Stroke Frequency	140/min
Max. Mud Pressure	10 MPa	Mud Pump Rated Flow	3200 L/min

DRILLING TOOLS



Swivel



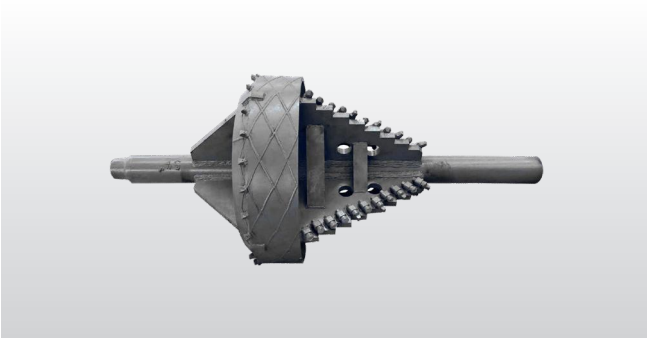
Drill Bit



Sub Saver



“U” Buckle



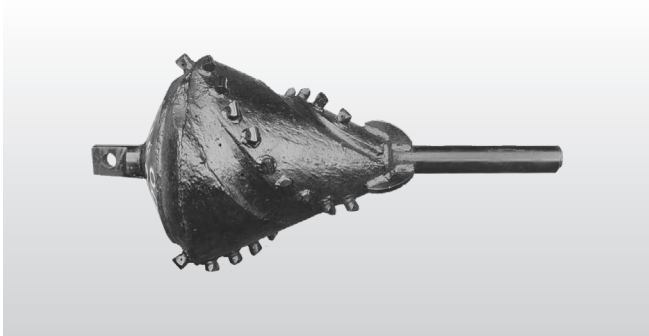
Blade-Type Reamer



Fluted Barrel Reamer



Barrel Reamer



Fluted Reamer

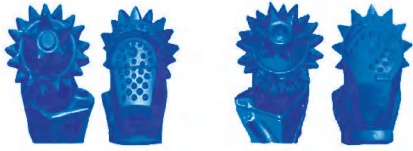
ROCK DRILLING TOOLS

IADC Recommend	
Formation hardness	IADC Recommend
Sand and weathered mudstone formation	Milled Teeth
Soft rock formation	<30MPa , Choose IADC517
Medium-hard formation	40-80MPa , Choose IADC537、 617
Hard rock formation	>80MPa , Choose IADC637

ROCK DRILLING TOOL PALMS

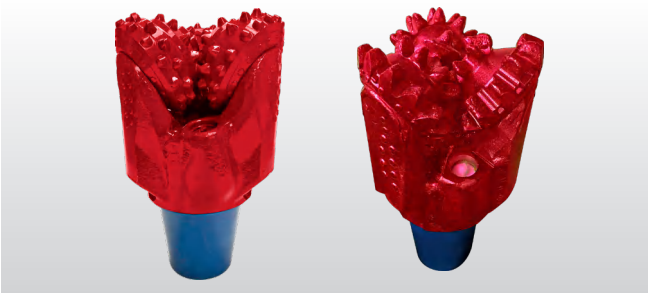


TCI Teeth



Milled Teeth

TRICONE BIT



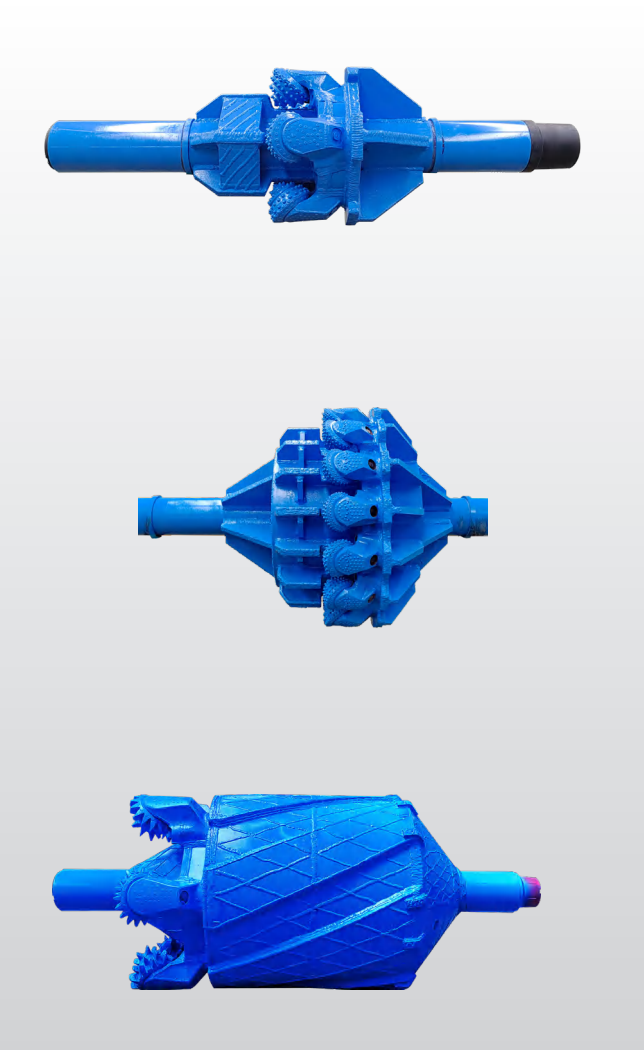
MUD MOTOR



ROCK SONDE HOUSE



ROCK REAMER



LOCATING SYSTEM



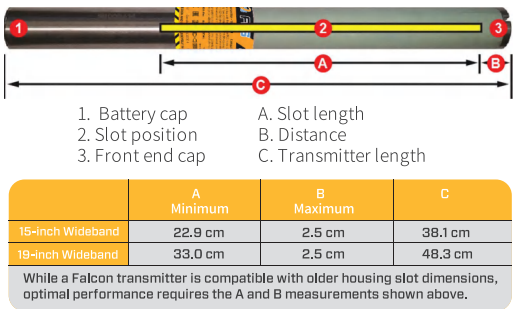
TRANSMITTER SPECIFICATIONS

		Transmitter 15"	Transmitter 19"
 HIGH POWER MODE	DEPTH	38 m	49 m
	DATA	45 m	61 m
 STANDARD MODE	DEPTH	30 m	38 m
	DATA	38 m	46 m
 LOW POWER MODE	DEPTH	15 m	30 m
	DATA	20 m	38 m

TRANSMITTER DRILL HEAD REQUIREMENTS

For maximum transmitter range and battery life, the slots in the drill head must meet minimum length and width requirements and be correctly positioned. DCI's transmitters require a minimum of three slots equally spaced around the circumference of the drillhead for optimal signal emission and maximum battery life.

Measure slot lengths on the inside of the drill head; slots must be at least 1.6 mm (1/16 inch) wide. DCI transmitters fit standard housings but may require a battery cap adapter in some cases.



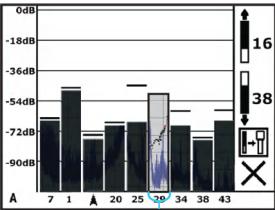
FIGHT INTERFERENCE WITH 600+ FREQUENCIES



600+ Frequencies From 4.5 kHz to 45 kHz



75 Frequencies in one band

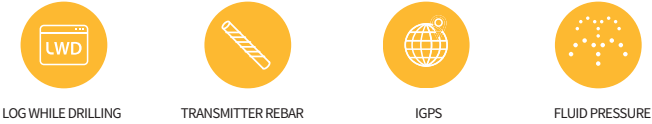


17 Best Frequencies work at a time

AURORA TOUCHSCREEN DISPLAY SPECIFICATIONS



		Transmitter 15"	Transmitter 19"	Transmitter 24"
HIGH POWER MODE	DEPTH	38 m	49 m	55 m
	DATA	49 m	61 m	67 m
STANDARD MODE	DEPTH	30 m	38 m	49 m
	DATA	38 m	46 m	56 m
LOW POWER MODE	DEPTH	20 m	30 m	37 m
	DATA	24 m	38 m	43 m



	Transmitter 19"	
HIGH POWER MODE	DEPTH	49 m
	DATA	61 m
STANDARD MODE	DEPTH	38 m
	DATA	46 m
LOW POWER MODE	DEPTH	30 m
	DATA	38 m

BAND NUMBER	7	11	16	20	25	29	34	38	43
RANGE IN KHZ	4.5-9.0	9.0-13.5	13.5-18	18-22.5	22.5-27	27-31.5	31.5-36	36-40.5	40.5-45



	Transmitter 15"	
HIGH POWER MODE	DEPTH	15 m
	DATA	22.8 m
STANDARD MODE	DEPTH	22.8 m
	DATA	30.4 m



Two bands are only for China
* Transmitter specifications change depending on environmental interference at the work site.
* Depending on construction condition at the work site.

CASE

GOODENG



GS450G-L
Horizontal Directional Drilling Machine
Tibet



GSP8000
Pipe Thruster
Beijing



GS1500-LS
Horizontal Directional Drilling Machine
Taiwan



GS5000-LS
Horizontal Directional Drilling Machine
Singapore



GS1000-LS
Horizontal Directional Drilling Machine
Saudi Arabia



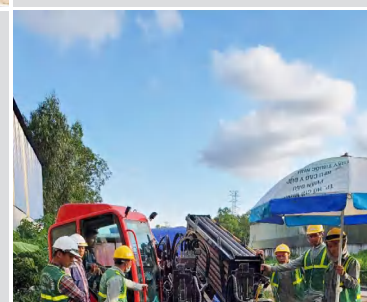
GS360-LS
Horizontal Directional Drilling Machine
Thailand



GS320-LS
Horizontal Directional Drilling Machine
Philippines



GS320-LS
Horizontal Directional Drilling Machine
Malaysia



GS360-LS
Horizontal Directional Drilling Machine
Vietnam



GS320-LS
Horizontal Directional Drilling Machine
Australia



GS3000-LS
Horizontal Directional Drilling Machine
Russia



GS6000-TS
Horizontal Directional Drilling Machine
Bangladesh

MORE⁺



GOODBYE