



DALI Drain Cleaners

**DALI HELP YOU TO REMOVE
VARIOUS BLOCKAGES OF PIPELINES**

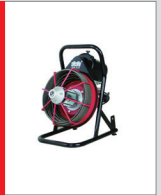


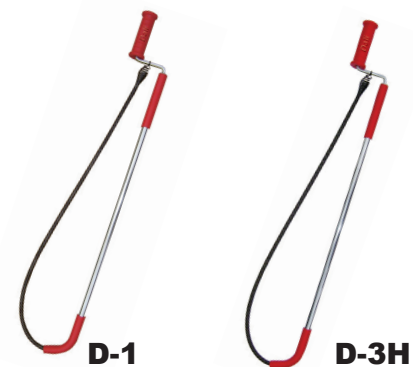
The Beijing New Asia Dali Machinery Co.,Ltd is a professional manufacturer of drain cleaners in China.

The DALI drain cleaner series are applicable to removal of various blockages of pipelines. The series adopt flexible shafts, the combination of high-speed rotating system and manual propelling or automatic feeding system to drive the drill to remove effectively various debris, greases, roots, wastes and chemical deposits etc. stuck on pipeline walls.

The DALI drain cleaner series, including hand, power type, automatic and pneumatic type, are the choice machines for maintaining and cleaning both indoor and outdoor pipelines. they are selling well in more than 80 countries around the world with superb quality and service.

Contents

Hand Type	Pumping Type	Pneumatic Type	Hand Power Type	Power Type	Power Type	Electric Type	Drum type	Automatic Drum Type	Portable Type
1 	5 	7 	9 	13 	21 	29 	31 	32 	37 
3 	6 		12 	17 	23 		34 	35 	38 
4 				19 	27 				



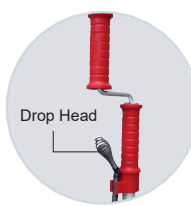
- Ideal for quick and safe removal of obstructions in the toilet.
- Specially designed to traverse tough traps.
- Vinyl guard protects damage to toilets

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1001	D-1	Φ9.5×0.9m	3/8"×3'	1.1
2.1002	D-3H	Φ12.7×0.9m	1/2"×3'	1.4

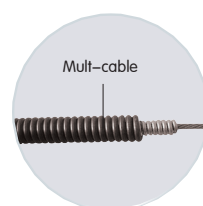
Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1003	D-2	Φ8×0.75m	5/16"×2 1/2'	0.9
2.1004	D-4	Φ8×1.25m	5/16"×4'	1.1



Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1005	D-3	Φ12.7×0.9m	1/2"×3'	1.7
2.1006	D-6	Φ12.7×1.8m	1/2"×6'	2.2
2.1007	D-3DH	Φ12.7×0.9m	1/2"×3'	1.7
2.1008	D-6DH	Φ12.7×1.8m	1/2"×6'	2.2



Specially designed to traverse tough traps.

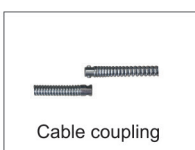
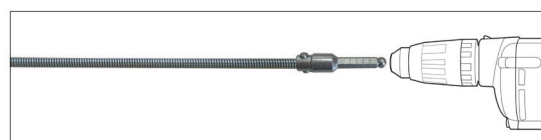


Three-tier composite cable Anti-Kinking.



Basic Equipment:

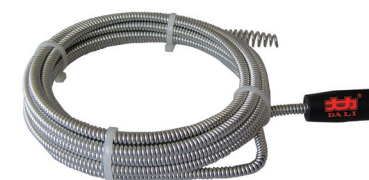
Catalog No.	Type.	Spec.	Weight (kg)
2.1009	D-12	1 piece Φ12mm *1M super flexible soft shaft with bulb auger	1.33
		2 piece Φ12mm *1M soft shaft	
		1 piece quick connector	



Optional configuration

GQ-25S

- Applicable for household small pipes of 50mm (2") in lavatories, bathrooms, kitchens, different types are provided to choose.
- Soft shafts of Φ6mm (1/4") and Φ8mm (5/16") are more suitable for removing pipe blockages in complex small diameter pipes like traps.
- Simple in structure, Easy-to-handle.



NO: 2.1010 GQ-25S

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1010-11	GQ-25S-1	Φ6×1.5m	1/4"×5'	0.3
2.1010-12	GQ-25S-2	Φ6×3m	1/4"×10'	0.5
2.1010-13	GQ-25S-3	Φ6×4.5m	1/4"×15'	0.7
2.1010-22	GQ-25S-4	Φ8×3m	5/16"×10'	0.8
2.1010-23	GQ-25S-5	Φ8×4.5m	5/16"×15'	1.2
2.1010-24	GQ-25S-6	Φ8×6m	5/16"×20'	1.6

GQ-48S

- Soft shafts are suitable for removing all kinds of complex indoor pipe blockages.
- Applicable for household small pipes of Φ50mm (2") in lavatories, bathrooms and kitchens, different types are provided to choose.
- Soft shafts are suitable for removing all kinds of complex indoor pipe blockages.
- The crank handle is simple and flexible, and the soft shaft is easy to extend and retract.
- Simple in structure, Easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe, latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.



NO: 2.1012 GQ-48S



NO: 2.1016 D-48S



NO: 2.1017 D-3S

D-3S

- Applicable for household small pipes of Φ32-75mm (1 1/4"-3") in lavatories, bathrooms, kitchens, different types are provided to choose.
- Flexible soft shafts of Φ16mm (5/8") are more suitable for removing pipe blockages in complex small diameter pipes like traps.
- The soft shafts can be extended. Easy-to-handle.

Catalog No.	Type.	Description	Spec.		Weight (kg)
			mm × m	in. × ft	
2.1017-11	D-3s-16a	Hand+ flexible soft shaft + key	Φ16*2.3m	5/8" × 7 1/2'	2.0
2.1017-12	D-3s-16b	Hand+ soft shaft +cutter + key	Φ16*2.3m	5/8" × 7 1/2'	2.0
2.1017-13	D-3s-16c	Hand+ soft shaft +cutter + key	Φ16*4.6m	5/8" × 15'	3.1



NO: 2.1011 GQ-38S

GQ-38S

- Applicable for household small pipes of 50mm (2") in lavatories, bathrooms, kitchens, different types are provided to choose.
- Flexible soft shafts of $\Phi 6$ ($\frac{1}{4}$ ") mm are more suitable for removing pipe blockages in complex small diameter pipes like traps.
- Flexible soft shafts are put in ABS plastics drum, light and handy.
- Simple in structure, easy-to-handle. Unlock the lock, and insert a soft shaft of certain length into the pipe, latch the lock and rotate the handle, press the handle, and repeated operation will easily remove the pipe blockages.

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1011-13	GQ-38S-2	$\Phi 6 \times 4.5\text{m}$	$\frac{1}{4}" \times 15'$	1.3
2.1011-14	GQ-38S-3	$\Phi 6 \times 6\text{m}$	$\frac{1}{4}" \times 20'$	1.6

GQ-50S

- Applicable for household small pipes of $\Phi 20\text{mm}$ -75mm($\frac{3}{4}$ "-3") in lavatories, bathrooms and kitchens, different types are provided to choose.
- Soft shafts are suitable for removing all kinds of complex indoor pipe blockages.
- Flexible soft shafts are put in large metal drum, to ensure cleaner and more convenient use.
- Simple in structure, easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe, latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1013-23	GQ-50S-1	$\Phi 8 \times 4.5\text{m}$	$\frac{5}{16}" \times 15'$	2.6
2.1013-24	GQ-50S-2	$\Phi 8 \times 6\text{m}$	$\frac{5}{16}" \times 20'$	3.5
2.1013-33	GQ-50S-3	$\Phi 10 \times 4.5\text{m}$	$\frac{3}{8}" \times 15'$	4.0
2.1013-34	GQ-50S-4	$\Phi 10 \times 6\text{m}$	$\frac{3}{8}" \times 20'$	4.5



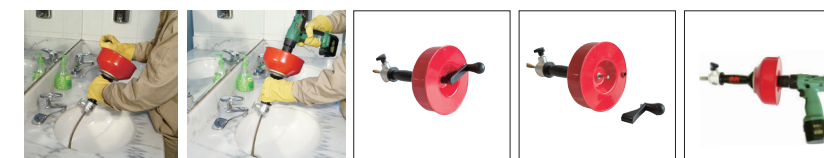
NO: 2.1013 GQ-50S



NO: 2.1014 D-50SZ

D-50SZ

- Unique design with power and manual, easy to connect with any drill.
- Applicable for household small pipes of $\Phi 20\text{mm}$ -75mm ($\frac{3}{4}$ "-3") in lavatories, bathrooms and kitchens, different types are provided to choose.
- Soft shafts are suitable for removing all kinds of complex indoor pipe blockages.
- Flexible soft shafts are put in large metal drum to ensure cleaner and more convenient use.
- Auto-Feed device feed and back the soft shaft.
- Simple in structure, easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe. latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.
- It can be driven by drills. Have a conversion device, remove the handle, the hexagon bolt into drills than tighten.



Specially designed connect with drill machine

Basic Equipment:

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1014-24	D-50SZ-1	$\Phi 8 \times 6\text{m}$	$\frac{5}{16}" \times 20'$	2.6
2.1014-25	D-50SZ-2	$\Phi 8 \times 7.6\text{m}$	$\frac{5}{16}" \times 25'$	3.2

D-60SZ

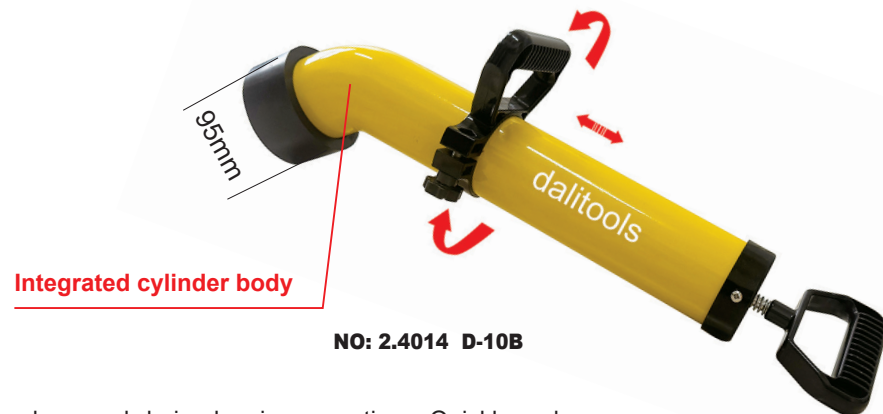
- Unique design with power and manual, easy to connect with any drill.
- Applicable for both indoor small pipes of $\Phi 20\text{mm}$ -75mm ($\frac{3}{4}$ "-3") in lavatories.
- The ABS plastics drum with high strength, light weight, large capacity. Soft shafts of $\Phi 8\text{mm}$ ($\frac{5}{16}$ ") and $\Phi 10\text{mm}$ ($\frac{3}{8}$ ") can be used.
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Auto-Feed device feed and back the soft shaft.
- Simple in structure, easy-to-handle. Release the locking screw, insert a soft shaft of certain length into the pipe. latch the lock and rotate the handle, and press it, repeated operation will easily remove the pipe blockages.
- It can be driven by drills. Have a conversion device, remove the handle, the hexagon bolt into drills than tighten.



Basic Equipment:

Catalog No.	Type.	Spec.		Weight (kg)
		mm × m	in. × ft	
2.1015	D-60SZ	$\Phi 8 \times 10.7\text{M}$	$\frac{5}{16}" \times 35'$	4.1
2.1015-A	D-60SZ-1	$\Phi 10 \times 7.6\text{M}$	$\frac{3}{8}" \times 25'$	5.1

NEW



NO: 2.4014 D-10B

D-10A,D-10B

- Force pump for use by plumbers and drain cleaning operatives. Quickly and easily removes blockages in drain, toilet pans, sinks, baths and waste pipes
- Four adaptors for use on different sewer lines.
- Flexible, In all directions adjustable handle, Optimal adaption to the cleaning job.
- Optimal sealed system and therefore the highest suction and pressure power with the adaptor sealing lip and main body



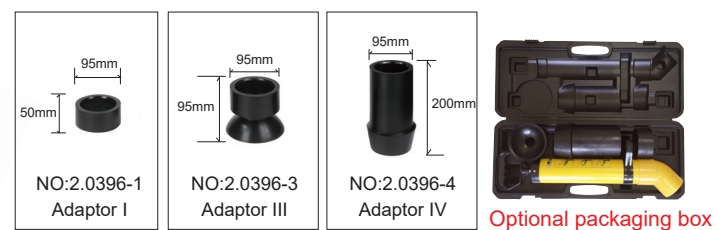
NO: 2.4013 D-10A

Basic Equipment:

Catalog No.	Type.	Description.	W eight(kg)
2.4013	D-10A	Main machine: Adaptor I Adaptor III Adaptor IV	2.4
2.4014	D-10B	Main machine: Adaptor I Adaptor III Adaptor IV	2.5

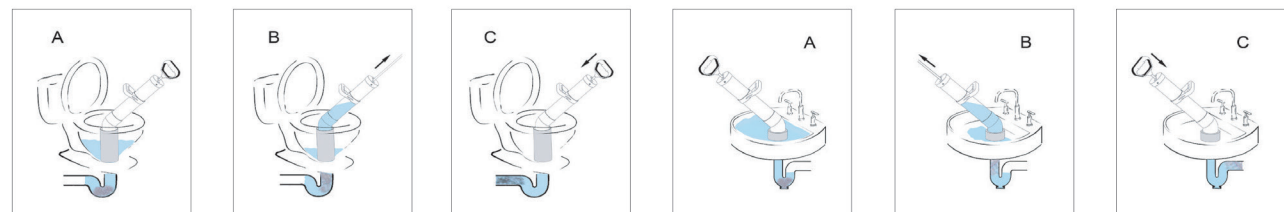


NO: 2.4014 D-10B



Three adaptors for use on different sewer lines

Three colors for you choice



NEW Super plus



NO: 2.4016 D-16

D-16

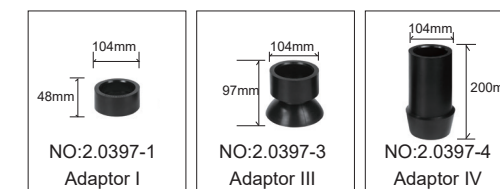
- Force pump for use by plumbers and drain cleaning operatives. Quickly and easily removes blockages in drain, toilet pans, sinks, baths and waste pipes
- Four adaptors for use on different sewer lines.
- Flexible, In all directions adjustable handle, Optimal adaption to the cleaning job.
- Optimal sealed system and therefore the highest suction and pressure power with the adaptor sealing lip and main body

Basic Equipment:

Catalog No.	Type.	Description.	W eight(kg)
2.4016	D-16	Main machine Adaptor I Adaptor III Adaptor IV	2.7



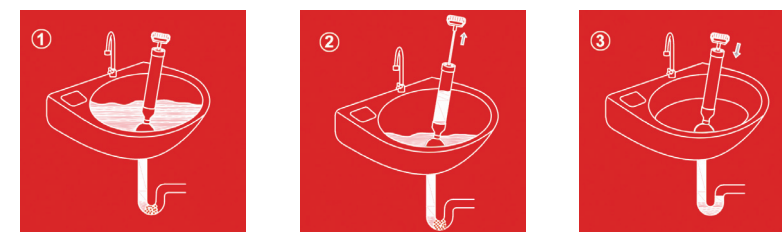
NO: 2.4016 D-16



D-9 Mini Pump

- Specifically designed for unclogging drain pipes and floor drains in household kitchens and bathrooms.
- Compact and lightweight, rubber head seals the drain opening, by pulling and pushing the handle repeatedly, creates suction and pressure to effortlessly clear blockages in pipe lines.

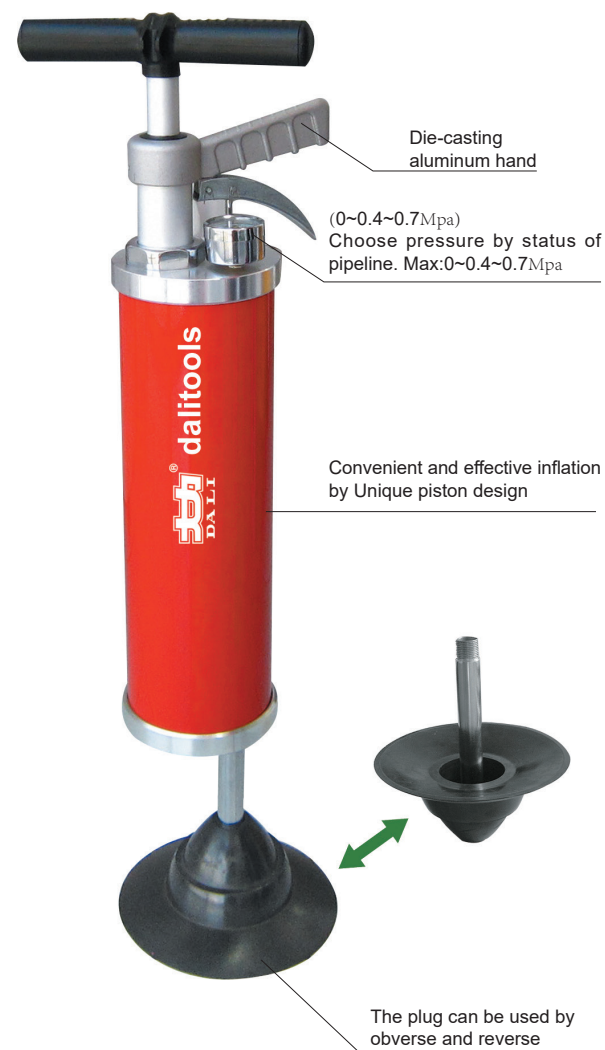
Catalog No.	Type.	Description.	W eight(kg)
2.4015	D-9	The entire fuselage is integrated.	0.36



NO: 2.4015 D-9

NEW





NO: 2.4011 GQ-4

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.4011	GQ-4	Main machine	3.8
		F-9-e Air release extension pipe	
		F-9-f Adaptor	
		F-9-f Connector	

GQ-4

- Applicable for blockages in indoor facilities as in vegetable-rinsing basins, washing basins, kitchens, bathrooms and lavatories, and bathing facilities.
- Create a shock wave that strikes a clog at **0.7Mpa**. Air pump clears clogged drains powerfully, quickly, and safely.
- Easy and safe in operation. Inflate the pump with enough shock wave for the seriousness of the blockage, usually less than **0.7 Mpa**; press the seal piston on the pipe opening and release quickly, the sudden air pressure will remove the blockages in the pipe.
- Used to seal off drain openings. Rubber plugs both directions fit for different diameter and shapes.
- Using air release extension pipes will accommodate complex working environment.

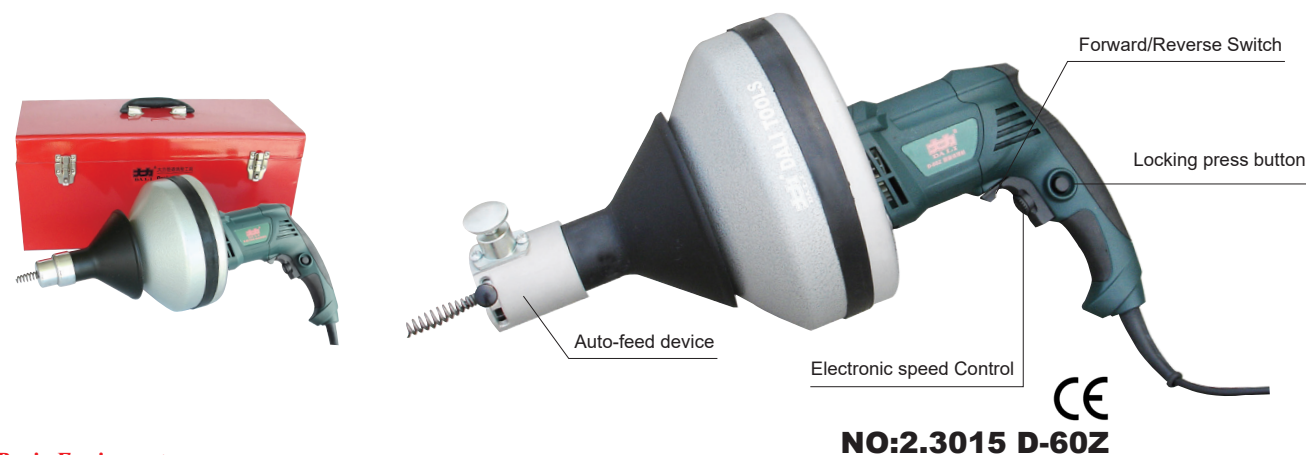


- 1 Connect the plug with the intensify plastic pipe by shape of nozzle. The plug can be used by obverse and reverse.
- 2 Push and press the handle up and down. Choose pressure by status of pipeline. 0~0.4~0.7Mpa
- 3 Push down the plug at the nozzle. Lift up the handle quickly. Put out shock wave gas and clean up the jam. Repeat operate.
- 4 If there are some jam on top of the nozzle or the pipeline strait, join the air release extension pipe with the plug. Hole the plug by both hands and put out gas quickly.
- 5 (warning) Pay attention to the manometer when operation. Figure should be lower than red caution line.



D-60,D-60Z,D-60Z-1

- Applicable for both indoor and outdoor small pipes of $\Phi 20$ -65mm ($\frac{3}{4}$ "-2 $\frac{1}{2}$ ") in lavatories.
- Using $\Phi 8$ mm ($\frac{5}{16}$ ") enhanced inner core flexible soft shafts, improve torque transmission, against twisting and winding.
- Entirely sealed structure, flexible soft shafts are put in large metal barrels, to ensure cleaner and more convenient use.
- To release or engage the cable by hand with a quick movement of D-60 the Grip Shield
- To feed and back the cable just control D-60Z Auto-feed device. Max Feed speed is 5m/Min
- Shift with stepless 0-600 rpm speed adjustable, for adept passage through curved pipes.
- Motor power:705W
- Rated voltage:220V, 110V optional.



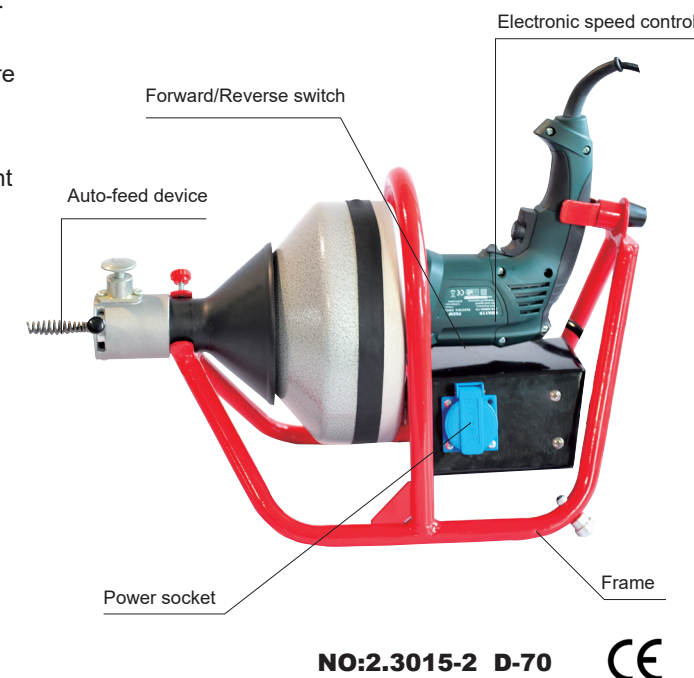
Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.3014	D-60	Main machine	5.03
		R-2-25 $\Phi 8$ mm $\times 7.6$ M ($\frac{5}{16}$ " $\times 25'$) inner core soft shaft	2.12
		F-6-b Toolbox	4.06
2.3015	D-60Z	Main machine	4.93
		R-2-25 $\Phi 8$ mm $\times 7.6$ M ($\frac{5}{16}$ " $\times 25'$) inner core soft shaft	2.12
		F-6-b Toolbox	4.06
2.3015-1	D-60Z-1	Main machine	5.33
		R-2-25 $\Phi 8$ mm $\times 7.6$ M ($\frac{5}{16}$ " $\times 25'$) inner core soft shaft	2.12
		F-6-b Toolbox	4.06



D-70

- Applicable for both indoor and outdoor small pipes of $\Phi 20$ -65mm ($\frac{3}{4}$ "-2 $\frac{1}{2}$ ") in lavatories.
- Using $\Phi 8$ mm ($\frac{5}{16}$ ") and $\Phi 10$ mm ($\frac{3}{8}$ ") enhanced inner core flexible soft shafts, improve torque transmission, against twisting and winding.
- The unique model design satisfies requirements of different operating situations.
- It can be used respectively after assembled of disassembled.
- With air foot switch, more safety, easy and effective in operation.
- Entirely sealed structure, flexible soft shafts are put in large metal barrels, to ensure cleaner and more convenient use.
- Auto-Feed device feed and back soft shaft with maximum speed of 5m/min.
- Shift with stepless 0-600 rpm speed adjustable, for adept passage through curved pipes.
- Motor power:705W.
- Rated voltage:220V, 110V optional.

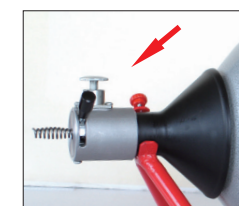


Basic Equipment :

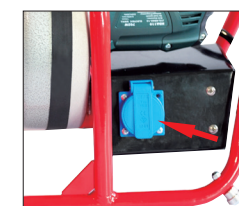
Catalog No.	Type.	Description.	Weight(kg)
2.3015-2	D-70	Main Machine	4.93
		R-2-26 $\Phi 8$ mm $\times 10.7$ M ($\frac{5}{16}$ " $\times 35'$) inner core soft shaft	2.97
		F-1-h Frame	3.0
2.3015-3	D-70-1	Main Machine	4.93
		R-2-35 $\Phi 10$ mm $\times 7.6$ M ($\frac{3}{8}$ " $\times 25'$) inner core soft shaft	2.63
		F-1-h Frame	3.0



The coupling method of assembling and disassembling the soft shaft drum and the frame.



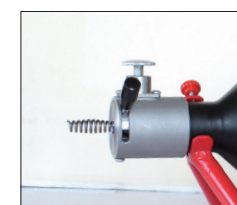
Insert the hand held complete machine to the relevant clip position and lock the screw properly



Insert the power supply cord plug of the electric drill into the supply socket on the frame. Connect the power plug on the frame with the socket power reliably.



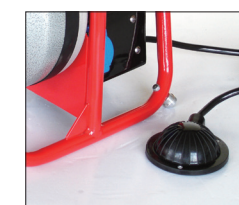
Adjust the electric drill to the appropriate rotation speed before using and push down the locking press button to hold the electric drill switch on the normally open position.



Auto-Feed device can drive the soft shaft feed and back automatically



The dredging and cleaning operation can be carried out with two different angles of the frame



A air foot switch provides ON/OFF Control of the motor



It can be used respectively after assembled or disassembled



NO:2.3013A D-62A



D-62A

- Applicable for both indoor and outdoor small pipes of $\Phi 20-65\text{mm}$ ($3/4"-2 1/2"$) in lavatories.
- Using $\Phi 8\text{mm}$ ($5/16"$) and $\Phi 10\text{mm}$ ($3/8"$) enhanced inner core flexible soft shafts, improve torque transmission, against twisting and winding.
- Entirely sealed structure, flexible soft shafts are put in strong ABS drum, to ensure cleaner and more convenient use.
- Shift with stepless 0-600 rpm speed adjustable, for adept passage through curved pipes.
- Auto-feed device Feed and back soft shaft with maximum speed of 5m/min.
- Motor power:705W.
- Rated voltage:220V, 110V optional.

Basic Equipment :

Catalog No.	Type.	Description.	Weight(kg)
2.3013A-1	D-62A-1	Main machine	4.02
		R-2-26 $\Phi 8\text{mm} \times 10.7\text{M}$ ($5/16" \times 35'$) inner core soft shaft	2.97
		F-6-b Toolbox	4.06
2.3013A-2	D-62A-2	Main machine	4.02
		R-2-35 $\Phi 10\text{mm} \times 7.6\text{M}$ ($3/8" \times 25'$) inner core soft shaft	2.63
		F-6-b Toolbox	4.06

The ABS plastic drum with high strength is light and strong and the capacity is large.



NO:2.3013B D-62B



D-62B

- Applicable for both indoor and outdoor small pipes of $\Phi 20-65\text{mm}$ ($3/4"-2 1/2"$) in lavatories.
- Using $\Phi 8\text{mm}$ ($5/16"$) and $\Phi 10\text{mm}$ ($3/8"$) enhanced inner core flexible soft shafts, improve torque transmission, against twisting and winding.
- Entirely sealed structure, flexible soft shafts are put in strong ABS drum, to ensure cleaner and more convenient use.
- Shift with stepless 0-550 rpm speed adjustable, for adept passage through curved pipes.
- Auto-feed device feed and back soft shaft with maximum speed of 5m/min.
- 14.4V ,Low speed high power charged drill, the maximum torque is 20N.m.
- Includes two pieces 1.3Ah capacious Ni-Cd battery, a charger.
- Rated voltage 220V, 110V optional.

Basic Equipment :

Catalog No.	Type.	Description.	Weight(kg)
2.3013B-1	D-62B-1	Main machine	3.65
		R-2-26 $\Phi 8\text{mm} \times 10.7\text{M}$ ($5/16" \times 35'$) inner core soft shaft	2.97
		F-9-g 14.4V Battery $\times 2$	1.25
		F-9-h Charger	0.51
		F-6-b Toolbox	4.06
2.3013B-2	D-62B-2	Main machine	3.65
		R-2-35 $\Phi 10\text{mm} \times 7.6\text{M}$ ($3/8" \times 25'$) inner core soft shaft	2.63
		F-9-g 14.4V Battery $\times 2$	1.25
		F-9-h Charger	0.51
		F-6-b Toolbox	4.06



CE
NO:2.2011 GQ-75

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2011	GQ-75	2.2001 Main machine	12.2
		RH1-1 Φ16mm soft shafts	9.26
		ZHa-1 Φ16mm drills 8 pieces	0.42
		F-3-a Φ4 key	0.03
		F-2-a Φ8mm*5m soft shaft combination	2.38
		F-5-a Protection gloves	0.25
		F-6-a Accessory barrel	2.0

GQ-75

- Applicable for all kinds of indoor pipes of Φ20-100mm ($\frac{3}{4}$ "-4").
- Lightweight, strong, convenient flexible in operation, using soft shafts of Φ8mm ($\frac{5}{16}$ ") and Φ16mm($\frac{5}{8}$ ") can be used.
- Soft shaft of Φ8mm ($\frac{5}{16}$ ") are used to clean pipes of Φ20-75mm in diameter, especially applicable to complex pipes of small diameters like traps.
- Flexible soft shafts of Φ16mm ($\frac{5}{8}$ ") are used to clean small complex.
- Using sectional helical flexible shafts of Φ16mm ($\frac{5}{8}$ ") , pipes of Φ32-100mm ($1\frac{1}{4}$ "-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input Power:390W.
- Rated Voltage:220V,110V optional, frequency 50Hz,60Hz optional.



RH1-1 Φ16mm soft shafts

 NO:2.2111 RH1-1 Φ16mm Soft shaft		2.0131	R-3-1	1 piece Φ16mm×2.3m flexible soft shafts
		2.0141	R-4-1	7 pieces Φ16mm×2.3m soft shafts
		2.0316	F-1-f	Φ430 soft shaft holder

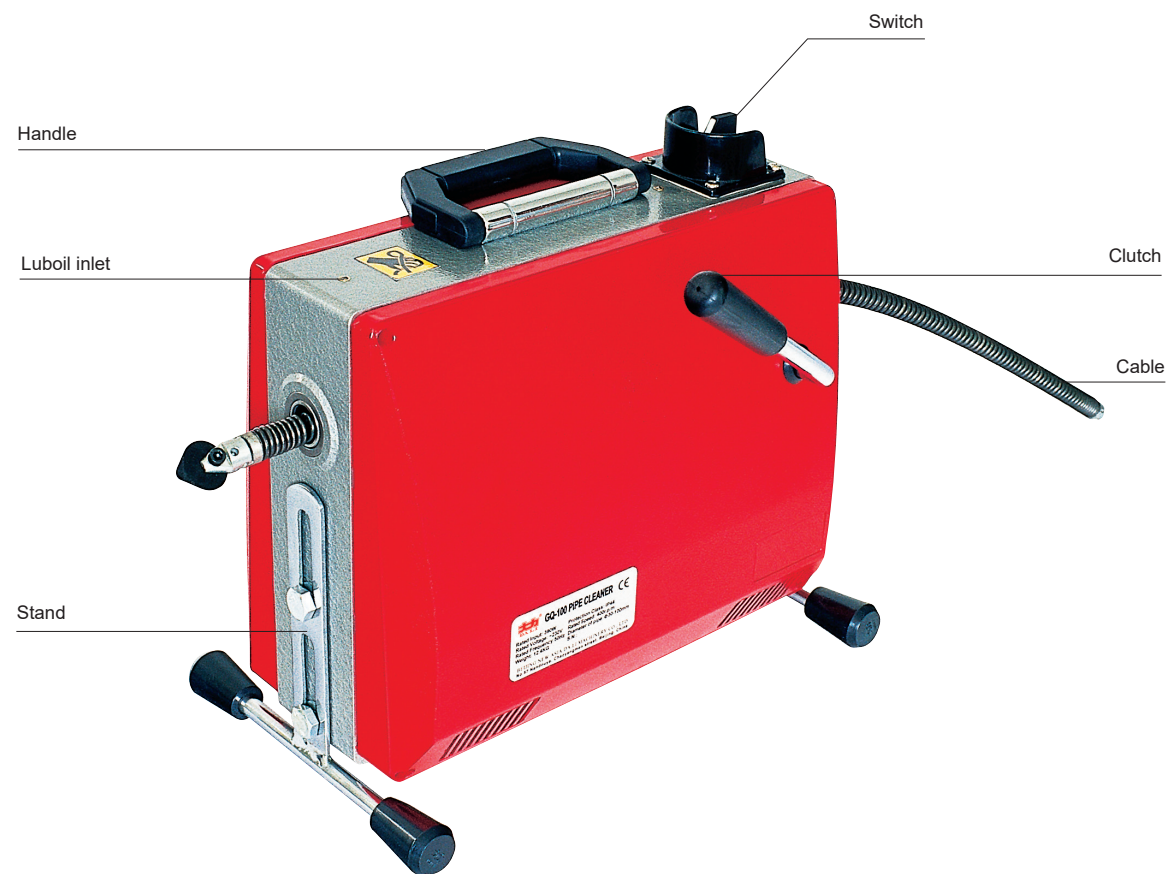
ZHa-1 Φ16mm drills

 NO:2.0211 T-1-a Straight Auger	 NO:2.0221 T-2-a Bulb Auger	 NO:2.0231 T-3-a Flexible Bulb Auger	 NO:2.0251 T-5-a Retrieving Auger	 NO:2.0261 T-6-a 4-Blade cutter	 NO:2.0271 T-7-a Grease Cutter	 NO:2.0281 T-8-a Sawtooth cutter	 NO:2.0291 T-9-a "C"- cutter
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Accessories

 NO:2.0361 F-6-a Accessory barrel	 NO:2.0321 F-2-a Φ8mm*5m soft shaft combination	 NO:2.0331 F-3-a Φ4 Key	 NO:2.0351 F-5-a Protection gloves	 NO:2.0371 F-7-a optional 1.8m Protection tube
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optional purchase part



CE
NO:2.2012 GQ-100

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2012	GQ-100	2.2002 Main machine	13.0
		RH1-2 Φ 16mm soft shafts	7.26
		ZHa-2 Φ 16mm drills 4 pieces	0.18
		F-3-a Φ 4 key	0.03
		F-5-a Protection gloves	0.25

GQ-100

- Applicable for all kinds of indoor pipes of Φ 32-100mm($1\frac{1}{4}$ "-4").
- Compact structure, lightweight and easy operation.
- Press the handle, with the locking function, save man power in operation.
- Support is provided, to adjust the height and angle of the machine to accommodate different working environment.
- Using sectional helical flexible shafts of Φ 16mm($\frac{5}{8}$ "), pipes of Φ 32-100mm($1\frac{1}{4}$ "-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input Power: 390W.
- Rated voltages: 220V, 110V, optional; frequency of 50Hz, 60Hz, optional.



RH1-2 Φ 16mm soft shafts

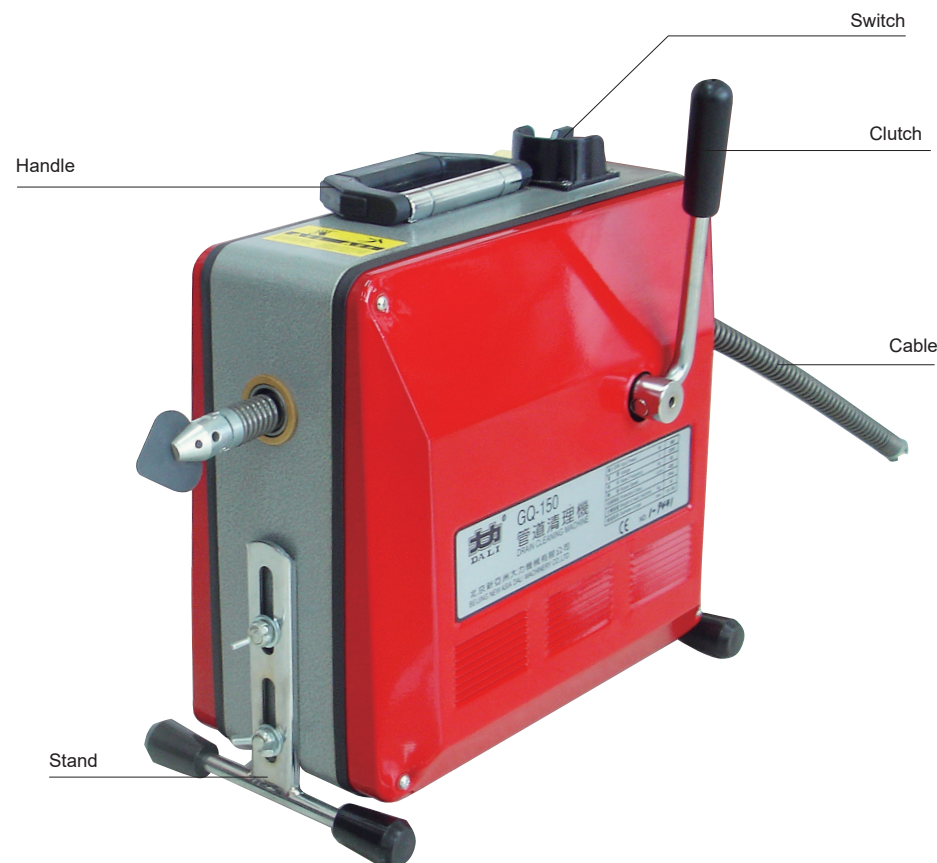
 NO.2112 RH1-2 Φ 16mm soft shafts		2.0141	R-4-1	6 pieces Φ 16mm $\times$ 2.3m soft shafts
		2.0315	F-1-e	Φ 360 soft shaft holder

ZHa-2 Φ 16mm drills

 NO.2.0211 T-1-a Straight Auger	 NO.2.0251 T-5-a Retrieving Auger	 NO.2.0261 T-6-a 4-edged cutter	 NO.2.0271 T-7-a Grease Cutter
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Accessories

 NO.2.0331 F-3-a Φ 4 Key	 NO.2.0351 F-5-a Protection gloves
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CE
NO:2.2013 GQ-150

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2013	GQ-150	2.2003 Main machine	17.1
		RH1-3 Φ 16mm soft shafts	6.77
		RH2-1 Φ 22mm soft shafts	11.7
		ZHa-3 Φ 16mm drills 4 pieces	0.25
		ZHb-1 Φ 22mm drills 4 pieces	0.48
		F-3-a Φ 4 key	0.03
		F-3-b Φ 5.5 key	0.04
		F-2-b Φ 8mm*5m soft shaft combination	3.30
		F-5-a Protection gloves	0.25
		F-6-a Accessory barrel	2.0

GQ-150

- Applicable for all kinds of indoor pipes of Φ 20-150mm ($\frac{3}{4}$ "-6").
- Multifunctional, heavy duty, compact structure, wide application scope, using soft shafts of Φ 8mm ($\frac{5}{16}$ "), Φ 16mm ($\frac{5}{8}$ ") and Φ 22mm ($\frac{7}{8}$ ").
- Support is provided, to adjust the height and angle of the machine to accommodate different working environment.
- Using soft shafts of Φ 8mm ($\frac{5}{16}$ "), the cleaning diameter range is Φ 20-75mm, especially suitable for small diameter pipes or complex pipes like traps.
- Using flexible soft shafts of Φ 16 ($\frac{5}{8}$ "), it is more suitable for small complex pipelines.
- Using sectional helical flexible shafts of Φ 16mm ($\frac{5}{8}$ "), pipes of Φ 32-100mm ($\frac{3}{4}$ "-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Using sectional helical flexible shafts of Φ 22mm ($\frac{7}{8}$ "), pipes of Φ 50-150mm (2"-6") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input Power:390W.
- Rated voltage: 220V, 110V, optional, frequency of 50Hz, 60Hz optional.



RH1-3 Φ 16mm soft shafts

 NO:2.2113 RH1-3 Φ 16mm soft shafts		2.0131	R-3-1	1 piece Φ 16mm $\times$ 2.3m flexible soft shafts
		2.0141	R-4-1	5 pieces Φ 16mm $\times$ 2.3m soft shafts
		2.0316	F-1-f	Φ 430 soft shaft holder

RH2-1 Φ 22mm soft shafts

 NO:2.2113 RH2-1 Φ 22mm soft shafts		2.0142	R-4-2	3 pieces Φ 22mm*4.6m soft shafts
		2.0316	F-1-f	Φ 430 soft shaft holder

ZHa-3 Φ 16mm drills

 NO:2.0211 T-1-a Straight Auger	 NO:2.0231 T-3-a Flexible Bulb Auger	 NO:2.0251 T-5-a Retrieving Auger	 NO:2.0261 T-6-a 4-Blade Cutter
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ZHb-1 Φ 22mm drills

 NO:2.0212 T-1-b Straight Auger	 NO:2.0242 T-4-b Funnel Auger	 NO:2.0262 T-6-b 4-Blade Cutter	 NO:2.0272 T-7-b Grease Cutter
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Accessories

 NO:2.0361 F-6-a Accessory barrel	 NO:2.0322 F-2-b Φ 8mm*5m soft shaft combination	 NO:2.0331 F-3-a Φ 4 Key	 NO:2.0332 F-3-b Φ 5.5 Key	 NO:2.0351 F-5-a Protection gloves	 NO:2.0373 F-7-c Optional 1.8m Protection tube
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optional purchase part



Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2017	D-150	2.2007 Main machine	18.2
		RH1-3 Φ16mm soft shafts	6.77
		RH2-1 Φ22mm soft shafts	11.7
		ZHa-3 Φ16mm drills 4 pieces	0.25
		ZHb-1 Φ22mm drills 4 pieces	0.48
		F-3-a Φ4 key	0.03
		F-3-b Φ5.5 key	0.04
		F-2-b Φ8mm*5m soft shaft combination	3.30
		F-5-a Protection gloves	0.25
		F-6-a Accessory barrel	2.0

D-150

- Applicable for all kinds of indoor pipes of Φ20-150mm (3/4"-6").
- Multifunctional, heavy duty, compact structure, wide application scope, using soft shafts of Φ8mm (5/16"), Φ16mm (5/8") and Φ22mm (7/8").
- Support is provided, to adjust the height and angle of the machine to accommodate different working environment.
- Using soft shafts of Φ8mm (5/16"), the cleaning diameter range is Φ20-75mm, especially suitable for small diameter pipes or complex pipes like traps.
- Using flexible soft shafts of Φ16 (5/8"), it is more suitable for small complex pipelines.
- Using sectional helical flexible shafts of Φ16mm (5/8"), pipes of Φ32-100mm (3/4"-4") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Using sectional helical flexible shafts of Φ22mm (7/8"), pipes of Φ50-150mm (2"-6") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 400 rpm, and the soft shaft stops when the handle is released.
- Input power:570W
- Rated voltage: 220V, 110V, optional, frequency of 50Hz, 60Hz optional.



RH1-3 Φ16mm soft shafts

 NO:2.2113 RH1-3 Φ16mm soft shafts		2.0131	R-3-1	1 piece 16mm x 2.3M flexible soft shafts
		2.0141	R-4-1	5 pieces Φ16mm×2.3m soft shafts
		2.0316	F-1-f	Φ430 soft shaft holder

RH2-1 Φ22mm soft shafts

 NO:2.2113 RH2-1 Φ22mm soft shafts		2.0142	R-4-2	3 pieces Φ22mm*4.6m soft shafts
		2.0316	F-1-f	Φ430 soft shaft holder

ZHa-3 Φ16mm drills

 NO:2.0211 T-1-a Straight Auger	 NO:2.0231 T-3-a Flexible Bulb Auger	 NO:2.0251 T-5-a Retrieving Auger	 NO:2.0261 T-6-a 4-Blade Cutter
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ZHb-1 Φ22mm drills

 NO:2.0212 T-1-b Straight Auger	 NO:2.0242 T-4-b Funnel Auger	 NO:2.0262 T-6-b 4-Blade Cutter	 NO:2.0272 T-7-b Grease Cutter
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Accessories

 NO:2.0361 F-6-a Accessory barrel	 NO:2.0322 F-2-b Φ8mm*5m soft shaft combination	 NO:2.0331 F-3-a Φ4 Key	 NO:2.0332 F-3-b Φ5.5 Key	 NO:2.0351 F-5-a Protection gloves	 NO:2.0373 F-7-c Optional 1.8m Protection tube
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optional purchase part

POWERFUL 1400W

- Multifunctional drive lever
- RH and LH Rotation
- Powerful motor with single capacitor
- High power
- High torque



CE
NO:2.2015 D-180

Basic Equipment:

Catalog No.	Type	Spec	Description	Weight(kg)
2.2015	D-180	2.2005	Main machine	3 0
		RH3-1	4 pieces $\Phi 30\text{mm} \times 4.6\text{M}$ soft shafts within holder	28.2
		ZHc-2	$\Phi 30\text{mm}$ drills 5 pieces	1.375
		F-3-b	$\Phi 5.5$ key	0.04
		F-5-a	Protection gloves	0.25
		F-7-b	Protection tube	1.5
		F-6-d	Tools box	

ZHc-2 $\Phi 30\text{mm}$



Accessories



D-180

- For professional mobile drain cleaning. Compact, robust and powerful, even by the toughest pipe obstructions
- Fully sealed transmission device, effectively avoiding the rust of transmission system by pipeline blockage, such as grease, sewage, etc. Keep the inside machine clean.
- 5 inch wheel for stability and anti-dumping.
- Direct up take of $\Phi 30\text{mm}$ soft shaft. for pipe diameters $\Phi 50\text{-}200\text{mm}$ (2"-8") , The soft shafts can be lengthened at will. With direct attachment $\Phi 22\text{mm}$ shaft for pipe diameters $\Phi 50\text{-}150\text{mm}$ (2"-6"), The soft shafts can be lengthened at will. With direct attachment 16mm shaft for pipe diameters $\Phi 32\text{-}100\text{mm}$ (1 1/4"- 4"), The soft shafts can be lengthened at will.
- Input power:1400W
- Rated voltage: 220V and 110V optional, Frequency: 50HZ and 60HZ optional



Options: $\Phi 16\text{mm}, \Phi 22\text{mm}$ cable adaptor

- Equipped with $\Phi 16, \Phi 22\text{mm}$ cable adaptor, improve the using function
- Easy to install, insert adaptor into machine by relative guide pin

Catalog No.	Type	Description
2.0511	Z-1-a	$\Phi 16\text{mm}, \Phi 22\text{mm}$ cable adaptor



The following soft shafts and drills are optional

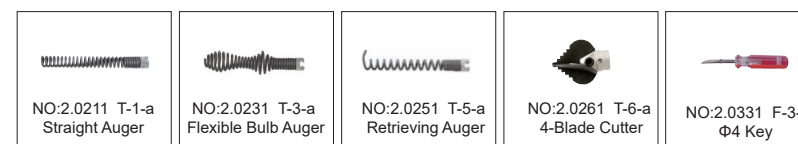
RH1-3 $\Phi 16\text{mm}$ soft shafts

 NO:2.2113 RH1-3 $\Phi 16\text{mm}$ soft shafts		2.0131	R-3-1	1 piece $\Phi 16\text{mm} \times 2.3\text{M}$ flexible soft shafts
		2.0141	R-4-1	5 pieces $\Phi 16\text{mm} \times 2.3\text{m}$ soft shafts
		2.0316	F-1-f	$\Phi 430$ soft shaft holder

RH2-1 $\Phi 22\text{mm}$ soft shafts

 NO:2.2113 RH2-1 $\Phi 22\text{mm}$ soft shafts		2.0142	R-4-2	3 pieces $\Phi 22\text{mm} \times 4.6\text{m}$ soft shafts
		2.0316	F-1-f	$\Phi 430$ soft shaft holder

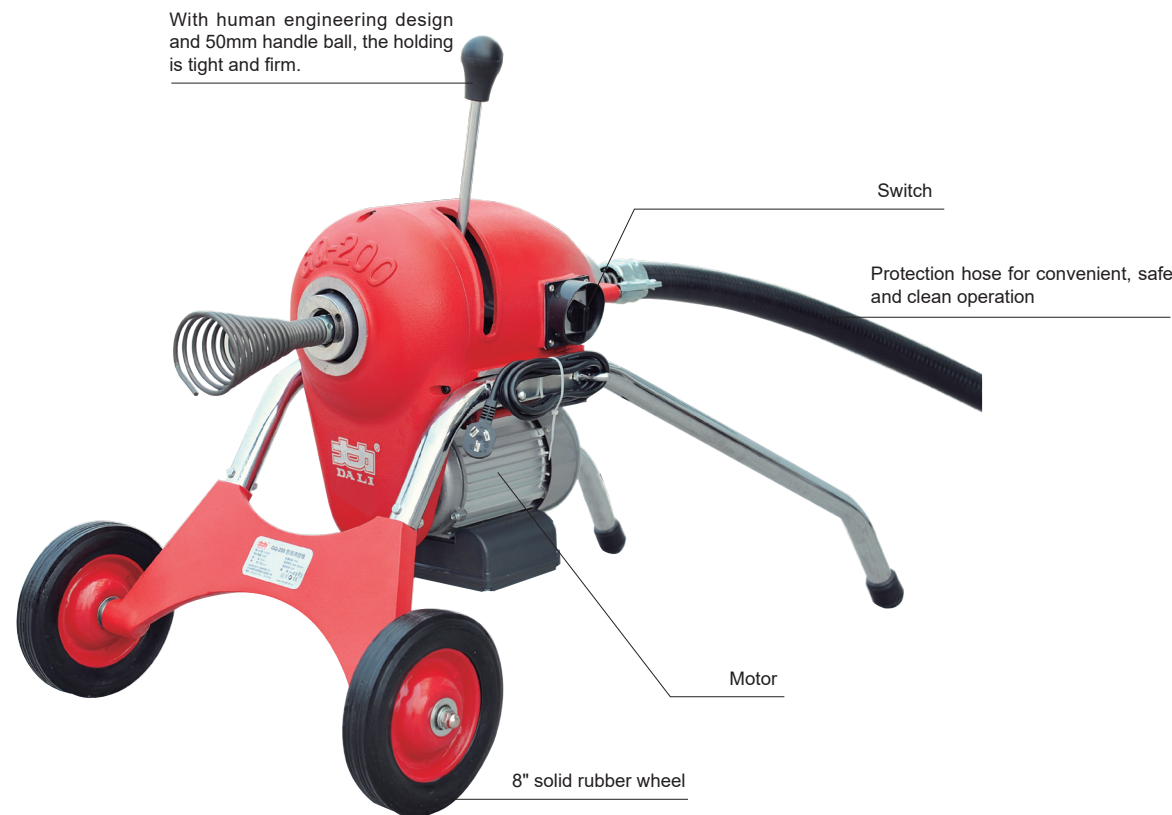
ZHa-3 $\Phi 16\text{mm}$ drills



ZHb-1 $\Phi 22\text{mm}$ drills



Fully sealed transmission device
Stabilizing wide wheel
Powerful motor with single capacitor
High power, High torque



CE
NO:2.2014 GQ-200

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2014	GQ-200	2.2004 Main machine	45.0
		RH3-1 Φ 30mm soft shafts	29.7
		ZHc-1 Φ 30mm drills 6 pieces	1.90
		F-3-b Φ 5.5 key	0.04
		F-5-a Protection gloves	0.25
		F-7-b Protection tube	4.06
		F-9-a Drill shelf	0.12

RH3-1 Φ 30mm soft shafts

 NO:2.2114 RH3-1 Φ 30mm soft shafts		2.0143	R-4-3	4 pieces Φ 30mm $\times$ 4.6m soft shafts
		2.0317	F-1-g	Φ 500 soft shaft holder



NO:2.2018 D-200



NO:2.2019 D-200-1

GQ-200

- Applicable for all kinds of outdoor pipes of Φ 50-200mm (2"-8").
- The choice type of multifunction, heavy duty type, the main machine and soft shafts have walking wheels, one man is capable of doing complex pipe cleaning jobs easily.
- Special drill shelf are easy to maintain and use.
- Using sectional helical flexible shafts of Φ 30mm (1 $\frac{1}{4}$ "), pipes of Φ 50-200mm (2"-8") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 700 rpm, and the soft shaft stops when the handle is released.
- Input Power: 1100W.
- Rated voltage:220V, 110V, optional, frequency of 50Hz ,60Hz optional.



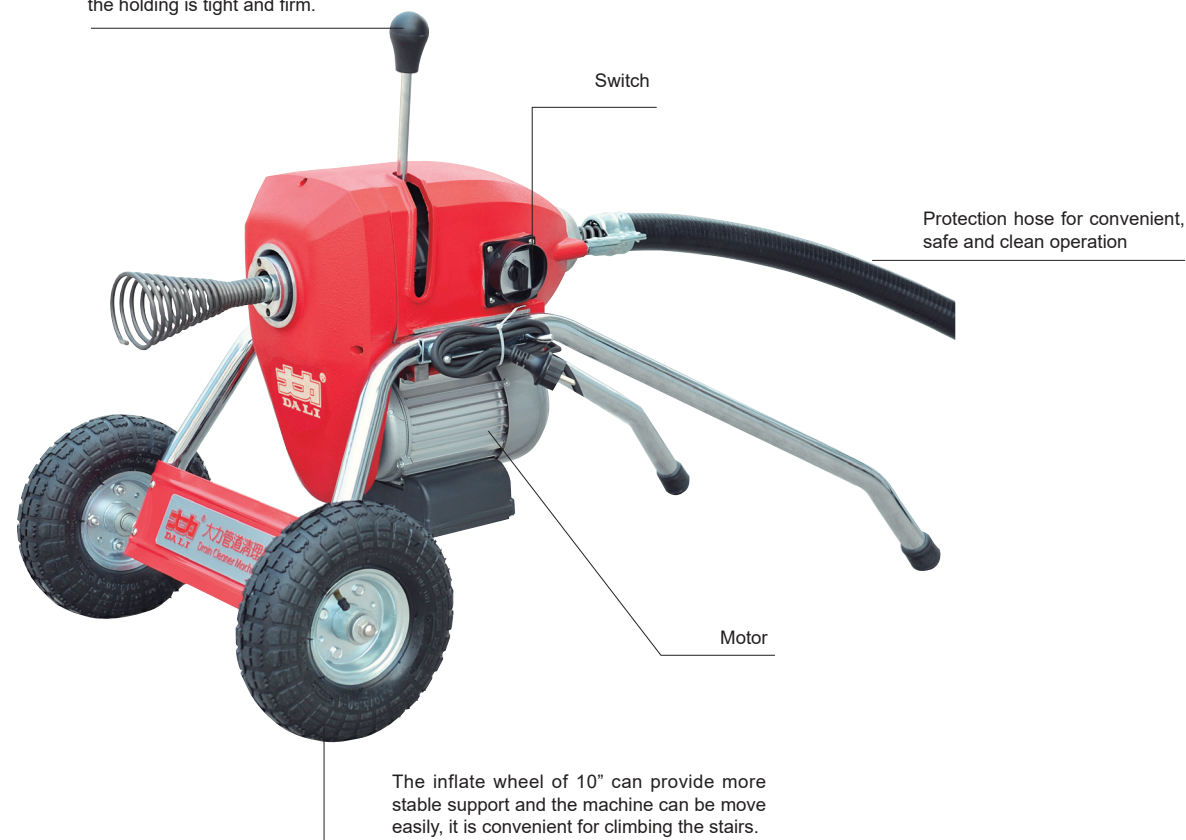
ZHc-1 Φ 30mm drills

 NO:2.0213 T-1-C Straight Auger	 NO:2.0243 T-4-C Funnel Auger	 NO:2.0253 T-5-C Retrieving Auger	 NO:2.0273 T-7-C Grease Cutter	 NO:2.0283 T-8-C Sawtooth cutter	 NO:2.0293 T-9-C "C"- Cutter
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Accessories

 NO:2.0372 F-7-b Protection tube	 NO:2.0391 F-9-a Drill Shelf	 NO:2.0332 F-3-b Φ 5.5 Key	 NO:2.0351 F-5-a Protection gloves
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With human engineering design and 50mm handle ball, the holding is tight and firm.



CE
NO:2.2019 D-200-1

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2019	D-200-1	2.2009 Main machine	45.0
		RH3-1 Φ30mm soft shafts	29.7
		ZHc-1 Φ30mm drills 6 pieces	1.90
		F-3-b Φ5.5 key	0.04
		F-5-a Protection gloves	0.25
		F-7-b Protection tube	4.06
		F-9-a Drill shelf	0.12

RH3-1 Φ30mm soft shafts

 NO:2.2114 RH3-1 Φ30mm soft shafts		2.0143	R-4-3	4 pieces Φ30mm×4.6m soft shafts
		2.0317	F-1-g	Φ500 soft shaft holder

D-200-1

- Applicable for all kinds of outdoor pipes of Φ50-200mm (2"-8").
- The choice type of multifunction, heavy duty type, the main machine and soft shafts have walking wheels, one man is capable of doing complex pipe cleaning jobs easily.
- Special drill shelf are easy to maintain and use.
- Using sectional helical flexible shafts of Φ30mm (1¼"), pipes of Φ50-200mm (2"-8") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 700 rpm, and the soft shaft stops when the handle is released.
- Input Power: 1100W.
- Rated voltage:220V, 110V, optional, frequency of 50Hz ,60Hz optional.



ZHc-1 Φ30mm drills

 NO:2.0213 T-1-C Straight Auger	 NO:2.0243 T-4-C Funnel Auger	 NO:2.0253 T-5-C Retrieving Auger	 NO:2.0273 T-7-C Grease Cutter	 NO:2.0283 T-8-C Sawtooth cutter	 NO:2.0293 T-9-C 'C'- Cutter
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Accessories

 NO:2.0372 F-7-b Protection tube	 NO:2.0391 F-9-a Drill Shelf	 NO:2.0332 F-3-b Φ5.5 Key	 NO:2.0351 F-5-a Protection gloves
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CE
NO:2.2019A D-200-1A

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2019A	D-200-1A	2.2009A Main machine	45.0
		RH3-1 Φ 30mm soft shafts	29.7
		ZHc-1 Φ 30mm drills 6 pieces	1.90
		F-3-b Φ 5.5 key	0.04
		F-5-a Protection gloves	0.25
		F-7-b Protection tube	4.06
		F-9-a Drill shelf	0.12

RH3-1 Φ 30mm soft shafts

 NO:2.2114 RH3-1 Φ 30mm soft shafts	 2.0143	R-4-3	4 pieces Φ 30mm $\times$ 4.6m soft shafts
	 2.0317	F-1-g	Φ 500 soft shaft holder



NO:2.2019A D-200-1A



NO:2.2018A D-200A



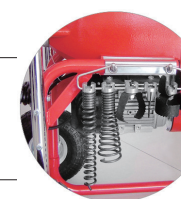
More room for reserve accessories

D-200-1A

- Applicable for all kinds of outdoor pipes of Φ 50-200mm (2"-8").
- The choice type of multifunction, heavy duty type, the main machine and soft shafts have walking wheels, one man is capable of doing complex pipe cleaning jobs easily.
- Special drill shelf are easy to maintain and use.
- Using sectional helical flexible shafts of Φ 30mm (1 $\frac{1}{4}$ "), pipes of Φ 50-200mm (2"-8") in diameter can be cleaned, the soft shafts can be lengthened at will.
- Press the clutch, the rotating speed is up to 700 rpm, and the soft shaft stops when the handle is released.
- Input Power: 1100W.
- Rated voltage:220V, 110V, optional, frequency of 50Hz ,60Hz optional.



With side mounted motor capacitance connecting box and anti collision frame, the collision can be prevented more effectively



Drilling tool hanging rack can hold all drilling tools



Adjustable hand Convenient climb with 10" inflatable



Catalog No.	Type.	Description.
2.0511	Z-1-a	Φ 16mm, Φ 22mm cable adaptor
 16mm $\rightarrow$ 22mm		

Options: 16mm , 22mm cable adaptor

- Equipped with 16, 22mm cable adaptor, improve the using function
- Easy to install, insert adaptor into machine by relative guide pin,

ZHc-1 Φ 30mm drills

 NO:2.0213 T-1-C Straight Auger	 NO:2.0243 T-4-C Funnel Auger	 NO:2.0253 T-5-C Retrieving Auger	 NO:2.0273 T-7-C Grease Cutter	 NO:2.0283 T-8-C Sawtooth cutter	 NO:2.0293 T-9-C "C"- Cutter
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Accessories

 NO:2.0372 F-7-b Protection tube	 NO:2.0391 F-9-a Drill Shelf	 NO:2.0332 F-3-b Φ 5.5 Key	 NO:2.0351 F-5-a Protection gloves
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NO:2.2015 GQ-600

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.2015	GQ-600	2.2005 Main machine	117.5
		RH4-1 30 pieces Φ 8mm soft shafts	18.9
		ZHd-1 Φ 22mm drills 4 pieces	1.57
		F-3-a Φ 4 key	0.04
		F-5-a Protection gloves	0.25
		F-9-b Bumper	2.13

RH4-1 Φ 8mm soft shafts

NO:2.2115 RH4-1 Bar elastic	2.0161	R-6-1	30 pieces Φ 8mm $\times$ 1.5m soft shafts
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GQ-600

- Applicable for pipes of Φ 200-600mm (8"-24") in civil projects.
- Mobile, heavy duty, easy and more powerful operation.
- Four-wheel cart easily rolls to the job.
- Using removable sectional flexible shafts of Φ 8mm ($\frac{5}{16}$ "), with large bending resistance, twisting resistance and ductility resistance. It can be extended to any length.
- Four-speed transmission, all adjustable: 180rpm-600rpm. Allows the operator to vary the flexible shaft spinning speed to fit the application.
- Input power: 2200W.
- Rated voltage: 220V, 110V optional; frequency of 50Hz, 60Hz optional.



ZHd-1 Φ 22mm drills

 NO:2.0214 T-1-d Straight Auger	 NO:2.0254 T-5-d Retrieving Auger	 NO:2.0274 T-7-d Spade Cutter	 NO:2.0284 T-8-d Sawtooth Gutter
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Accessories

 NO:2.0392 F-9-b Bumper	 NO:2.0331 F-3-a Key	 NO:2.0351 F-5-a Protection gloves
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NO:2.3010 D-300F CE



NO:2.3010K D-300K CE



NO:2.3010A D-300AF NO:2.3010AK D-300AK

D-300F, D-300K

- Applicable for both indoor and outdoor of $\Phi 32\sim 100\text{mm}$ ($1\frac{1}{4}\text{'-}4\text{'}$) in lavatories, bathrooms and kitchens. With $\Phi 10\text{mm}$ or $\Phi 12.7\text{mm}$ ($\frac{3}{8}\text{'}$ or $\frac{1}{2}\text{'}$) inner-core cable,
- Entirely sealed structure, flexible soft shafts are put in drum to ensure cleaner and more convenient use.
- Open cage drum easily to inspect cable working and reserve for avoiding rusty problem.
- Built-in Ground fault circuit interrupter (GFCI) and air foot switch, more convenient and safety operation.
- Drum spin at 300rpm.
- Input power:390W
- Rated voltage:220V;110V optional Frequencies of 50HZ; 60HZ optional.

Catalog No.	Type.	Description.	Weight(kg)
2.3010	D-300F	Main machine Includes: $\Phi 12.7\text{mm}\times 15\text{m}$ ($\frac{1}{2}\text{'}\times 50\text{'}$) inner-core cable and $\Phi 16\text{mm}$ drills 4 pieces	28.46
2.3010K	D-300K	Main machine Includes: $\Phi 12.7\text{mm}\times 15\text{m}$ ($\frac{1}{2}\text{'}\times 50\text{'}$) inner-core cable and $\Phi 16\text{mm}$ drills 4 pieces	27.46

ZHa-6 $\Phi 16\text{mm}$ drills

NO:2.0276 T-7-f Grease Cutter	NO:2.0296 T-9-f "C" Cutter	NO:2.0226 T-2-f Bulb Auger	NO:2.0286 T-8-f Side Cutter Blades
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Inner-core cable High Intensity Anti-twisting Anti-kinking

High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

Cable Options

	Catalog No.	Type.	Inner-core cable Size
	2.0183-8	R-8-4	10mm *23M ($\frac{3}{8}\text{'}\times 75\text{ ft}$)
	2.0183-9	R-8-5	10mm *30M ($\frac{3}{8}\text{'}\times 100\text{ ft}$)
	2.0184-7	R-8-1	12.7mm *15M ($\frac{1}{2}\text{'}\times 50\text{ ft}$)
	2.0184-8	R-8-2	12.7mm *23M ($\frac{1}{2}\text{'}\times 75\text{ ft}$)

Optional parts: 8" solid rubber wheel and removable handle Easily moving, light and handy, save time and effort.

D-330ZF, D-330ZK

- Applicable for both indoor and outdoor of $\Phi 32\sim 100\text{mm}$ ($1\frac{1}{4}\text{'-}4\text{'}$) in lavatories, bathrooms and kitchens. With $\Phi 10\text{mm}$ or $\Phi 12.7\text{mm}$ ($\frac{3}{8}\text{'}$ or $\frac{1}{2}\text{'}$) inner-core cable,
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Open cage drum easily to inspect cable working and reserve for avoiding rusty problem.
- With 8" solid rubber wheel and removable handle, easily moving, light and handy, save time and effort.
- Built-in Ground fault circuit interrupter (GFCI) and air foot switch, more convenient and safety operation.
- Auto-Feed device feed and back soft shaft with maximum speed of 5m/min.
- Drum spin at 300rpm.
- Input power:390W
- Rated voltage:220V;110V optional Frequencies of 50HZ; 60HZ optional.



Inner-core cable High Intensity Anti-twisting Anti-kinking

High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.3017	D-330ZF	Main machine with $\Phi 12.7\text{mm}\times 15\text{m}$ ($\frac{1}{2}\text{'}\times 50\text{'}$) inner-core cable, $\Phi 16\text{mm}$ drills 4 pieces & Auto-Feed device	36.94
2.3017K	D-330ZK	Main machine with $\Phi 12.7\text{mm}\times 15\text{m}$ ($\frac{1}{2}\text{'}\times 50\text{'}$) inner-core cable, $\Phi 16\text{mm}$ drills 4 pieces & Auto-Feed device	36.14

ZHa-6 $\Phi 16\text{mm}$ drills

NO:2.0276 T-7-f Grease Cutter	NO:2.0296 T-9-f "C" Cutter	NO:2.0226 T-2-f Bulb Auger	NO:2.0286 T-8-f Side Cutter Blades
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Cable Options

	Catalog No.	Type.	Inner-core cable Size
	2.0183-8	R-8-4	10mm *23M ($\frac{3}{8}\text{'}\times 75\text{ ft}$)
	2.0183-9	R-8-5	10mm *30M ($\frac{3}{8}\text{'}\times 100\text{ ft}$)
	2.0184-7	R-8-1	12.7mm *15M ($\frac{1}{2}\text{'}\times 50\text{ ft}$)
	2.0184-8	R-8-2	12.7mm *23M ($\frac{1}{2}\text{'}\times 75\text{ ft}$)



NO:2.3017 D-330ZF CE



NO:2.3017K D-330ZK CE



NO:2.3019 D-360ZF

D-360ZF, D-360ZK

- Applicable for both indoor and outdoor of $\Phi 32\sim 100\text{mm}$ (1 1/4"-4") in lavatories, bathrooms and kitchens. With $\Phi 10\text{mm}$ or $\Phi 12.7\text{mm}$ (3/8" or 1/2") inner-core cable,
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Open cage drum easily to inspect cable working and reserve for avoiding rusty problem.
- With 8" solid rubber wheel and removable handle, easily moving, light and handy, save time and effort.
- Built-in Ground fault circuit interrupter (GFCI) and air foot switch, more convenient and safety operation.
- Auto-Feed device feed and back soft shaft with maximum speed of 5m/min.
- Drum spin at 300rpm.
- Input power:390W
- Rated voltage:220V;110V optional Frequencies of 50HZ; 60HZ optional.



Inner-core cable High Intensity Anti-twisting Anti-kinking

High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.3019	D-360ZF	Main machine with $\Phi 12.7\text{mm}\times 15\text{m}$ (1/2"x50') inner-core cable, $\Phi 16\text{mm}$ drills 4 pieces & Auto-Feed device	36.94
2.3019K	D-360ZK	Main machine with $\Phi 12.7\text{mm}\times 15\text{m}$ (1/2"x50') inner-core cable, $\Phi 16\text{mm}$ drills 4 pieces & Auto-Feed device	36.14

ZHa-6 $\Phi 16\text{mm}$ drills

NO:2.0276 T-7-f Grease Cutter	NO:2.0296 T-9-f "C" Cutter	NO:2.0226 T-2-f Bulb Auger	NO:2.0286 T-8-f Side Cutter Blades

Cable Options

	Catalog No.	Type.	Inner-core cable Size
	2.0183-8	R-8-4	10mm *23M (3/8"*75 ft)
	2.0183-9	R-8-5	10mm *30M (3/8"*100 ft)
	2.0184-7	R-8-1	12.7mm *15M (1/2"*50 ft)
	2.0184-8	R-8-2	12.7mm *23M (1/2"*75 ft)



NO:2.3019K D-360ZK

D-360KS, D-360KS-1

- Applicable for both indoor and outdoor of $\Phi 32\sim 100\text{mm}$ (1 1/4"-4") in lavatories, bathrooms and kitchens.
- With $\Phi 10\text{mm}$ or $\Phi 12.7\text{mm}$ (3/8" or 1/2") inner-core cable,
- Open cage drum easily to inspect cable working and reserve for avoiding rusty problem.
- With 8" solid rubber wheel and removable handle, easily moving, light and handy, save time and effort.
- Auto-Feed device feed and back soft shaft.

Basic Equipment :

Catalog No.	Type.	Description.	Weight(kg)
2.1018	D-360KS	Main machine	5.72
		R-8-1 $\Phi 12.7\text{mm}\times 15\text{M}$ (1/2"*50') inner-core cable	10
		T-9-F $\Phi 16\text{mm}$ "C" cutter	0.06

Optional Inner-core cable,drills and accessories

	Catalog No.	Type.	Description.	Weight(kg)
	2.0183-8	R-8-4	$\Phi 10\text{mm}$ *23M (3/8"*75 ft)	9.8
	2.0183-9	R-8-5	$\Phi 10\text{mm}$ *30M (3/8"*100 ft)	12.8
	2.0184-8	R-8-2	$\Phi 12.7\text{mm}$ *23M (1/2"*75 ft)	16.1
	2.0184-9	R-8-3	$\Phi 12.7\text{mm}$ *30M (1/2"*100 ft)	21.1



Inner-core cable High Intensity Anti-twisting Anti-kinking

High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.



Handle



Prevent falling off of soft shaft



NO:2.1018 D-360KS



D-360KS-1

ZHa-6 $\Phi 16\text{mm}$ drills

NO:2.0276 T-7-f Grease Cutter	NO:2.0296 T-9-f "C" Cutter	NO:2.0226 T-2-f Bulb Auger	NO:2.0286 T-8-f Side Cutter Blades

Accessories



Handle

• Optional configuration



NO2.0393-B F-9-J
Auto-Feed device



CE NO:2.3018 D-1000

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.3018A	D-1000A	Main machine	37.8
		R-8-1 $\Phi 12.7 \times 15m$ ($1/2" \times 50'$) inner-core cable	10.5
		ZHa-5 $\Phi 16mm$ drills 4 pieces	0.19
		F-7-d Protection tube	0.54
		F-3-a $\Phi 4$ Key	0.03
2.3018B	D-1000B	Main machine	37.8
		R-8-2 $\Phi 12.7 \times 23m$ ($1/2" \times 75'$) inner-core cable	16.1
		ZHa-5 $\Phi 16mm$ drills 4 pieces	0.19
		F-7-d Protection tube	0.54
		F-3-a $\Phi 4$ Key	0.03

D-1000

- Applicable for both indoor and outdoor of $\Phi 32 \sim 100mm$ ($1\frac{1}{4}" \sim 4"$) in lavatories, bathrooms and kitchens. With $\Phi 12.5mm$ ($1/2"$) Inner-core cable.
- Entirely sealed structure, flexible soft shafts are put in drum, to ensure cleaner and more convenient use.
- Drum spin at 250rpm, cable feeding speed 5m/min.
- Input power: 390W.
- Rated voltage: 220V; 110V optional, Frequencies of 50HZ; 60HZ optional.



High quality steel wire coiled around the steel wire rope tightly and special treated ,the inner-core cable can meet the requirement of every heavy duty job.

Inner-core cable High Intensity Anti-twisting Anti-kinking



The drum can be adjusted to fit different working position

ZHa-5 $\Phi 16mm$ drills

 NO: 2.0225 T-2-e Bulb Auger	 NO: 2.0255 T-5-e Retrieving Auger	 NO: 2.0275 T-7-e Grease Cutter	 NO: 2.0285 T-8-e Sawtooth Cutter	 NO: 2.0331 F-3-a $\Phi 4$ Key	 NO: 2.0374 F-7-d Protection Tube
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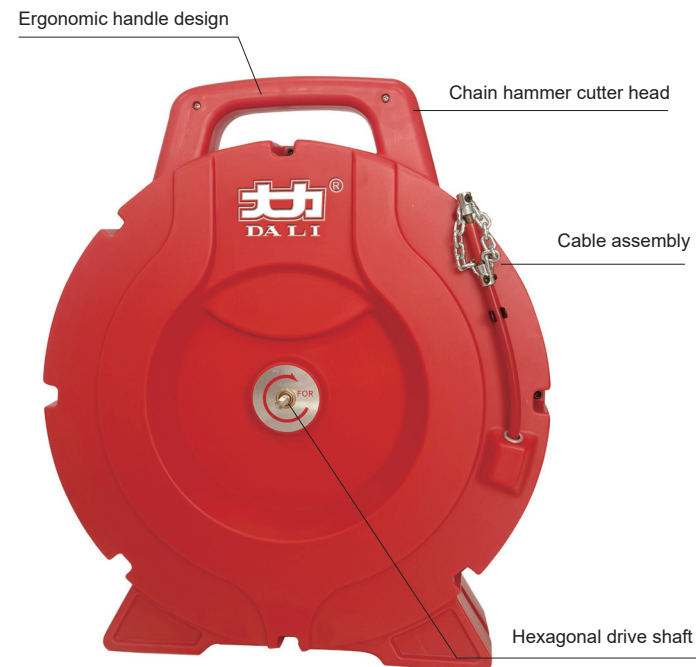
Accessories



PORTABLE HIGH-SPEED DRAIN CLEANER

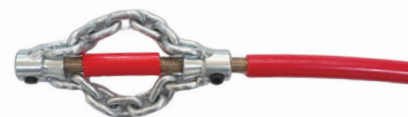
D-506

- Deliver wall-to-wall clean in 1 1/2" to 2" drain lines
- D-506 PORTABLE PIPE CLEANERS are lightweight, compact and highly efficient with fully contained drum
- 6mm*16M cable high-speed spins inside a durable nylon sheath
- The chain knockers attached to a flexible cable that are spun at high speeds to ensure an efficient clean-out
- Require a cordless drill equipped with a speed range about 2000 RPM to through the elbow pipe



NO:2.5011 D-506

External dimensions: 486*174*569(mm)



Anti-wear super soft shaft

Flexible shaft chain

The cleaning pipe wall is punctured and blocked

The multi-strand steel cable, sheathed in a wear-resistant flexible sleeve, delivers exceptional tensile strength and outstanding resistance to unraveling. This design ensures smoother and more effortless operation when navigating bends.

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.5011	D-506	Main machine	9.7
		RH1 Φ6mm*16M cable assembly	3.3
		T-1-g Seven-ring single chain head	0.05
		T-2-g Seven-ring double chain head	0.07
		F-3-d 3mm Wrench	0.01



2.5111 RH1
Φ6mm*15.2M cable
assembly



2.0411 T-1-g
Seven-ring single
chain head



2.0421 T-2-g
Seven-ring double
chain head



2.0512 F-3-d
3mm Wrench

PORTABLE HIGH-SPEED DRAIN CLEANER



D-406

- Deliver wall-to-wall clean in 1 1/2" to 2" drain lines
- D-406 MINI PORTABLE PIPE CLEANERS are 3.7Kg lightweight and highly efficient with fully contained drum
- The 6mm*10M cable high-speed spins inside a durable nylon sheath
- The chain knockers attached to a flexible cable that are spun at high speeds to ensure an efficient clean-out
- Require a cordless drill equipped with a speed range about 2000 RPM to through the elbow pipe

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.5012	D-406	Main machine	4.0
		RH2 Φ6mm*10M cable assembly	2.2
		T-1-g Seven-ring single chain head	0.05
		T-2-g Seven-ring double chain head	0.07
		F-3-d 3mm Wrench	0.07
		F-3-c Socket	0.04



NO:2.5012 D-406

External dimensions:475*143*378(mm)

D-508

- Deliver wall-to-wall clean in 2" to 4" drain lines
- D-508 PORTABLE PIPE CLEANERS are 9Kg lightweight and highly efficient with fully contained drum
- The 8mm*15M cable high-speed spins inside a durable nylon sheath
- The chain knockers attached to a flexible cable that are spun at high speeds to ensure an efficient clean-out
- Require a cordless drill equipped with a speed range about 2000 RPM to through the elbow pipe

Basic Equipment:

Catalog No.	Type.	Description.	Weight(kg)
2.5013	D-508	Main machine	9.0
		RH3 Φ8mm*15M cable assembly	4.61
		T-3-g Nine-ring double-chain head	1.15
		T-4-g Nine-ring three-chain head	1.55
		F-3-d 3mm Wrench	0.01
		F-3-c Socket	0.04



The multi-strand steel cable, sheathed in a wear-resistant flexible sleeve, delivers exceptional tensile strength and outstanding resistance to unraveling. This design ensures smoother and more effortless operation when navigating bends.



NO:2.5013 D-508

External dimensions: 560*180*665(mm)



2.5113 RH3
Φ8mm*15M cable
assembly



2.0431 T-3-g
Nine-ring double-
chain head



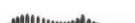
2.0441 T-4-g
Nine-ring three-
chain head



2.0512 F-3-d
3mm Wrench



2.0511 F-3-c
Socket

Sketch	Description	Catalog No	Type	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Straight Auger	2.0211	T-1-a	16	135	75	Φ16	GQ-75 GQ-100
	Bulb Auger	2.0221	T-2-a	16	100	75	Φ16	GQ-75
	Flexible Bulb Auger	2.0231	T-3-a	16	130	95	Φ16	GQ-75 D-800
	Retrieving Auger	2.0251	T-5-a	16	135	55	Φ16	GQ-75 GQ-100 D-800
	4-Blade Cutter	2.0261	T-6-a	16	35	35	Φ16	GQ-75 GQ-100
	Grease Cutter	2.0271	T-7-a	16	37	25	Φ16	GQ-75 GQ-100 D-800
	Sawtooth Cutter	2.0281	T-8-a	16	28	45	Φ16	GQ-75
	"C"-Cutter	2.0291	T-9-a	16	40	20	Φ16	GQ-75 D-800

Sketch	Description	Catalog No	Type	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Bulb Auger	2.0225	T-2-e	16	100	75	Φ12.7	D-1000
	Retrieving Auger	2.0255	T-5-e	16	135	55	Φ12.7	D-1000
	Grease Cutter	2.0275	T-7-e	16	37	25	Φ12.7	D-1000
	Sawtooth Cutter	2.0285	T-8-e	16	28	45	Φ12.7	D-1000

Sketch	Description	Catalog No	Type	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Straight Auger	2.0212	T-1-b	22	190	165	Φ22	GQ-150
	Funnel Auger	2.0242	T-4-b	22	140	165	Φ22	GQ-150
	4-Blade Cutter	2.0262	T-6-b	22	65	100	Φ22	GQ-150
	Grease Cutter	2.0272	T-7-b	22	57	60	Φ22	GQ-150

Sketch	Description	Catalog No	Type	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Straight Auger	2.0213	T-1-c	30	265	370	Φ30	GQ-200
	Funnel Auger	2.0243	T-4-c	30	195	575	Φ30	GQ-200
	Retrieving Auger	2.0253	T-5-c	30	205	365	Φ30	GQ-200
	Grease Cutter	2.0273	T-7-c	30	80	160	Φ30	GQ-200
	Sawtooth cutter	2.0283	T-8-c	30	75	270	Φ30	GQ-200
	"C"-cutter	2.0293	T-9-c	30	120	150	Φ30	GQ-200

Sketch	Description	Catalog No.	Type.	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Straight Auger	2.0214	T-1-d	22	250	360	Φ8 Bar Elastic	GQ-600
	Retrieving Auger	2.0254	T-5-d	22	250	330	Φ8 Bar Elastic	GQ-600
	Grease Cutter	2.0274	T-7-d	22	240	320	Φ8 Bar Elastic	GQ-600
	Sawtooth cutter	2.0284	T-8-d	22	250	430	Φ8 Bar Elastic	GQ-600

Sketch	Description	Catalog No.	Type.	Diameter (mm)	Length (mm)	Weight (g)	Applicable soft shaft	Applicable Type
	Bulb Auger	2.0226	T-2-f	16	70	75	Φ12.7	D-300,D-330
	Grease Cutter	2.0276	T-7-f	16	35	35	Φ12.7	D-300,D-330
	Side Cutter Blades	2.0286	T-8-f	16	50	55	Φ12.7	D-300,D-330
	"C"-Cutter	2.0296	T-9-f	16	85	55	Φ12.7	D-300,D-330

The premise of speed, efficiency and durability in pipeline cleaning is the adoption of special quality soft shafts.

 Flexible soft shafts Flexible soft shafts combining drills and soft shafts have high intensity, good flexibility, they are more suitable to pass through complex pipelines like traps.	 Enhanced inner inner core flexible soft shafts Soft shafts enhanced with strengthened plastic inner core improve the intensity and flexibility of soft shafts, better torque transmission, bending resistance, extension resistance, and effectively prevent wastes from winding.
 Helical sectional elastic soft shafts Winded with quality spring steel wires, after strict heating treatment, to insure enough mechanic strength and flexibility, bending resistance, twisting resistance and ductility resistance.	 Enhanced strong soft shafts Heavy duty enhanced close winding soft shafts, can enhance mechanical strength and bending resistant qualities, more suitable for complex working environment and automatic feeding operations.
 Bar Elastic soft shafts Specially for civil projects, large pipeline facilities, large diameters, long distance, large torque, bending resistance, twisting resistance, capable of extending for any length, and more powerful.	 Transition connectors Adeptly connect Φ22 and Φ16 soft shafts, to use both kinds of soft shafts simultaneously. Quality features of good soft shafts

Quality features of good soft shafts

 Advanced anti-erosion treatment Soft shafts are treated with surface blunting and overall plating, anti-erosion	 The connection of soft shafts and joint locking Elastic soft shafts and joint machine are connected with an adept locking, and prevent the potential risks associated with common soft shafts. The engaging and disconnecting of soft shafts
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The engaging and disconnecting of soft shafts

 Transition slider slot connection The connection of soft shafts and drills is made by inserting in the slider slot direction, the connection is more reliable, easier and faster.	 Quick disass emble Put in the key, the connection is slid off, time and labor is saved.
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Sketch.	Catalog No.	Type.	Diameter (mm)	Length (m)	Applicable (mm)	Weight (kg)
 Flexible soft shaft	2.0111-3	R-1-13	6	4.5	20-50	0.66
	2.0111-4	R-1-14		6.0		0.88
	2.0112-3	R-1-23	8	4.5	20-75	1.1
	2.0112-4	R-1-24		6.0		1.6
	2.0112-5	R-1-25		7.6		1.9
	2.0112-6	R-1-26		10.7		2.6
	2.0113-4	R-1-34	10	6.0	20-100	2.0
	2.0113-5	R-1-35		7.6		2.5
	2.0113-6	R-1-36		10.7		3.5
 Inner core flexible soft shaft	2.0122-4	R-2-24	8	6.0	32-100	1.67
	2.0122-5	R-2-25		7.6		2.12
	2.0122-6	R-2-26		10.7		2.97
	2.0123-5	R-2-35	10	7.6		2.63
 Sectional flexible soft shaft	2.0131	R-3-1	16	2.3	32-100	0.88
	2.0141	R-4-1	16	2.3	32-100	1.17
	2.0142	R-4-2	22	4.6	50-150	3.59
 Sectional elastic soft shaft	2.0143	R-4-3	30	4.6	50-200	6.27
	2.0151	R-5-1	16	2.3	32-100	Special order
 Enhanced elastic soft shaft	2.0152	R-5-2	22		50-150	
 Bar elastic soft shaft	2.0161	R-6-1	8(22)	1.5	200-600	0.55
 Enhanced inner core cable	2.0173-7	R-7-1	10	15	32-100	6.5
	2.0173-8	R-7-2		23		9.8
	2.0173-9	R-7-3		30		12.8
 Enhanced inner core cable	2.0184-7	R-8-1	12.7	15		10
	2.0184-8	R-8-2		23		16
	2.0184-9	R-8-3		30		21.5

Basic Configurations of Soft Shafts

Catalog No.	Type.	Description	Weight(kg)	Configured type
2.2111	RH1-1	F-1-f; R-3-1; R-4-1*7	10.0	GQ-75
2.2112	RH1-2	F-1-e; R-4-1*6	7.74	GQ-100
2.2113	RH1-3	F-1-f; R-3-1; R-4-1*5	6.77	GQ-150
	RH2-1	F-1-f; R-4-2*3	11.69	
2.2114	RH3-1	F-1-g; R-4-3*4	27.5	GQ-200
2.2115	RH4-1	R-6-1*30	16.5	GQ-600

Basic configurations of drills

Catalog No.	Type.	Description.	Weight(g)	Configured type
2.2211	ZHa-1	T-1-a, T-2-a, T-3-a, T-5-a, T-6-a, T-7-a, T-8-a, T-9-a	415	GQ-75
2.2212	ZHa-2	T-1-a, T-5-a, T-6-a, T-7-a	180	GQ-100
2.2213	ZHa-3	T-1-a, T-3-a, T-5-a, T-6-a	255	GQ-150
	ZHb-1	T-1-b, T-4-b, T-6-b, T-7-b	480	GQ-150
2.2214	ZHc-1	T-1-c, T-4-c, T-5-c, T-7-c, T-8-c, T-9-c	1900	GQ-200
2.2215	ZHd-1	T-1-d, T-5-d, T-7-d, T-8-d	1450	GQ-600
2.2216	ZHa-4	T-3-a, T-5-a, T-7-a, T-9-a	180	D-800
2.2217	ZHa-5	T-3-e, T-5-e, T-7-e, T-8-e	190	D-1000
2.2218	ZHa-6	T-2-f, T-7-f, T-8-f, T-9-f	220	D-300, D-330

			
Straight Auger Used to detect blockages or remove them, usually in the first work stage.	Bulb Auger Used in inserting through complex structures in pipelines with soft shafts, and remove the blockages. They have good	Flexible Bulb Auger Used in pipelines difficult to clean, with good flexibility, and good introducing functions.	Funnel Auger Used in the second stage of cleaning, capable of removing blockages on the inner surface of the pipes left over by straight helical drills.
			
Retrieving Auger Used to bring back soft shafts or drills left in pipes, and clean blockages caused by weaving materials.	4-Blade Cutter High intensity, used for removing hard materials such as chemical deposits.	Grease Cutter Clean grease and deposits on inner surface of pipelines.	Sawtooth Cutter Used to remove blockages caused by roots, branches, debris or grease on pipeline walls.
			
"C"-Cutter Used to clean usual items such as grease, soap on pipeline walls.	"C"-Cutter Used to clean usual items such as grease, soap on pipeline walls.	Sawtooth Cutter Used to remove blockages caused by roots, branches, debris or grease on pipeline walls.	With Drop Head Cutter Specially desinged to traverse tough traps.

Sketch	Catalog No.	Type.	Description(mm)	weight(kg)	ApplicableType
	2.0315	F-1-e	Φ360mm soft shaft holder	0.6	GQ-100
	2.0316	F-1-f	Φ430mm soft shaft holder	1.0	GQ-75 GQ-150
	2.0317	F-1-g	Φ500mm soft shaft holder	3.1	GQ-200
	2.0318	F-1-h	Frame	3.0	D-70
	2.0321	F-2-a	Φ8mm*5m soft shaft combination	3.2	GQ-75
	2.0322	F-2-b	Φ8mm*5m soft shaft combination	3.30	GQ-150 D-150

Sketch	Catalog No.	Type.	Description(mm)	weight(kg)	ApplicableType
	2.0511	Z-1-a	16mm , 22mm cable adaptor	0.42	D-200A D-200-1A
	2.0362	F-6-a	Toolbox	3.8	D-50B D-50ZB D-60 D-60Z
	2.0371	F-7-a	Protection tube	0.43	GQ-75
	2.0373	F-7-c	Protection tube	0.52	GQ-150 D-150
	2.0372	F-7-b	Protection tube	1.50	GQ-200
	2.0374	F-7-d	Protection tube	0.54	D-800 D-1000
	2.0381	F-8-a	Fixing blocks	0.17	GQ-75
	2.0382	F-8-b	Fixing blocks	0.21	GQ-100
	2.0383	F-8-c	Fixing blocks	0.32	GQ-150
	2.0384	F-8-d	Clutch brakes	0.36	GQ-200
	2.0392	F-9-b	Bumper	2.13	GQ-600
	2.0393	F-9-c	Auto-feed device	0.50	D-50ZB D-60Z
	2.0393-A	F-9-c	Auto-feed device	0.78	D-50ZB-1 D-60Z-1
	2.0393-B	F-9-J	Auto-feed device	1.78	D-800 D-1000
	2.0395	F-9-e	Air release extension pipe	0.26	GQ-4
	2.0396-1	F-9-f	Connector	0.18	GQ-4
	2.0396-2	F-9-f	Adaptor	0.68	GQ-4
	2.0331	F-3-a	Φ4 Key	0.03	GQ-75 GQ-100 GQ-150 D-800
	2.0332	F-3-b	Φ5.5 Key	0.04	GQ-150 D-150 GQ-200 D-200



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