

# YT27 Pusher-Leg Rock Drill Technical Documents

**Executive Standard No.** 

MT/T903-2002 Q/YZ(Z)204-2016

Shandong Drill T Mining Machinery Co,.Ltd

2022.01

## Introduction

Thank you for choosing a product from Drill T. We have a strong global sales and service network, consisting of customer centers and distributors worldwide. Our experts are highly trained professionals with extensive product knowledge and application experience. In all corners of the world, We can offer product support and expertise to ensure that our customers can work at maximum efficiency at all times.

# Scope of application

YT27 is a heavy-duty pusher leg Rock Drill featuring high efficiency and low air consumption. It is primarily designed for drilling in mines, hydro-power stations, and road construction projects. It is also a new product suitable for tunneling and other stone works in mining and metallurgical industry.

# **Operation**

## Using the rock drill for the first time

Before using the rock drill for the first time you must read these instructions carefully and understand all of them.

When the rock drill arrives from the factory, the inside of the tool is coated with heavy oil to prevent corrosion.

After unpacking and installing the tool, pour a small amount of lubrication to clean the interior. Follow this immediately with a liberal amount of air tool oil.

The rock drill and pusher leg are lubricated with oil mixed with compressed air, which is taken to the parts that need continuous lubrication. Oil is metered into the compressed air using the FY250 lubricator connected to the air line.

## **Preparations before starting**

#### Check the drilling equipment

- Check that all of the drilling equipment is good working order.
- Check that the impact surface of the drill steel shank is flat with no signs of wear.
- Make sure that the air inlet and exhaust ports are free from obstructions.
- Check that the flushing holes in the drill steel and drill bit are not blocked and that the flushing air/water flows through without obstruction.
- Ensure that the fittings are tight and leak-proof.



#### **DANGER**

Always check for damaged or loose hoses and fittings before operation. Whipping hoses serious injury.

## **Drilling**

#### Starting the rock drill

- 1. Open the main valve for compressed air.
- 2. Open the cock for the flushing water.
- 3. Adjust the feed control lever to give a suitable feed force for collaring the hole.
- 4. Align the rock drill so that the working tool touches the desired collaring point.
- 5. Move the throttle lever forward a little, which will start water flushing , percussion and rotation.
- 6. Collar the hole with reduced feed force.
- 7. Move the throttle lever fully forward once the working tool has gained a secure footing in the rock.
- 8. Adjust the feed force by means of the control lever so that the maximum penetration rate is obtained.

#### Stopping the rock drill

Pull the throttle lever backwards, which will stop percussion, rotation and flushing water.

#### Re-positioning the pusher leg

- 1. Switch off the rock-drill percussion and flushing by means of the throttle lever.
- 2. Press the trigger, whereupon the piston rod is pulled back into the pusher-leg cylinder automatically.
- 3. Re-position the pusher leg.
- 4. Release the trigger, whereupon the piston rod will move outwards again.
- 5. Move the throttle lever forward into the working position.



#### **WARNING**

Involuntary start.

### Involuntary start of the machine may cause injury.

- Keep your hands away from the start and stop device until you are ready to start the machine.
- Learn how the machine is switched off in the event of an emergency.
- Stop the machine immediately in all cases of power supply interruption.
- Always use approved protective equipment. Operators and all other persons in the working area must wear protective equipment.

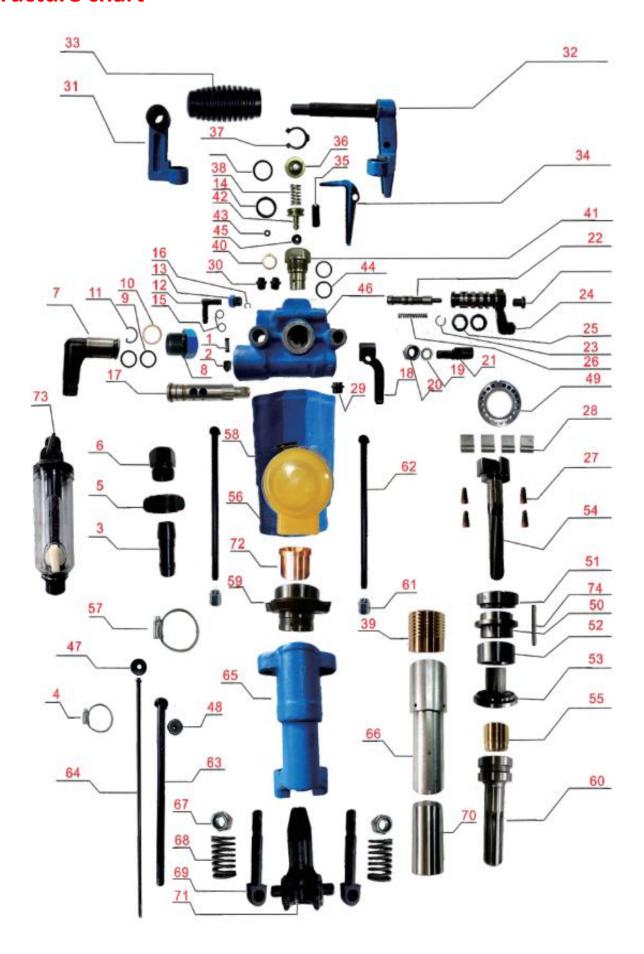
## YT27 Rock drill

# **Technical parameter**

Model	Parameter		
	Weight	27	Kg
	Dimension (L x W x H)	668x248x202	mm
	Cylinder Diameter	80	mm
	Piston Stroke	60	mm
	Working Pressure	0.4-0.63	MPa
	Impact Energy (at 0.5 MPa)	≥64	J
YT27	Air Consumption (at 0.5 MPa)	€57	L/S
	Impact Frequency (at 0.5 MPa)	≥39	Hz
	Water pressure	Less than working pressure 0.1~0.15	MPa
	Air hose Inner Diameter	25	mm
	Water hose Inner Diameter	13	mm
	Drilling Diameter	34-42	mm
	Max Drilling Depth		m
	Shank Size	H22/H25 x 108	mm
FY250 Lubricator	Weight	1.2	Kg
1 1230 Edbilcator	Capacity	0.25	L
	Weight	17	kg
	Length retracted	1668	mm
Pusher Legs FT160A	Length extracted	3026	mm
	Feed length	1338	mm
	Piston bore	65	mm
	Weight	16	kg
	Length retracted	1428	mm
Pusher Legs FT160B	Length extracted	2586	mm
	Feed length	1098	mm
	Piston bore	65	mm
	Weight	18	kg
	Length retracted	1820	mm
Pusher Legs FT160C	Length extracted	3310	mm
	Feed length	1490	mm
	Piston bore	65	mm

## YT27 Rock drill

## structure chart



# YT27 Rock drill

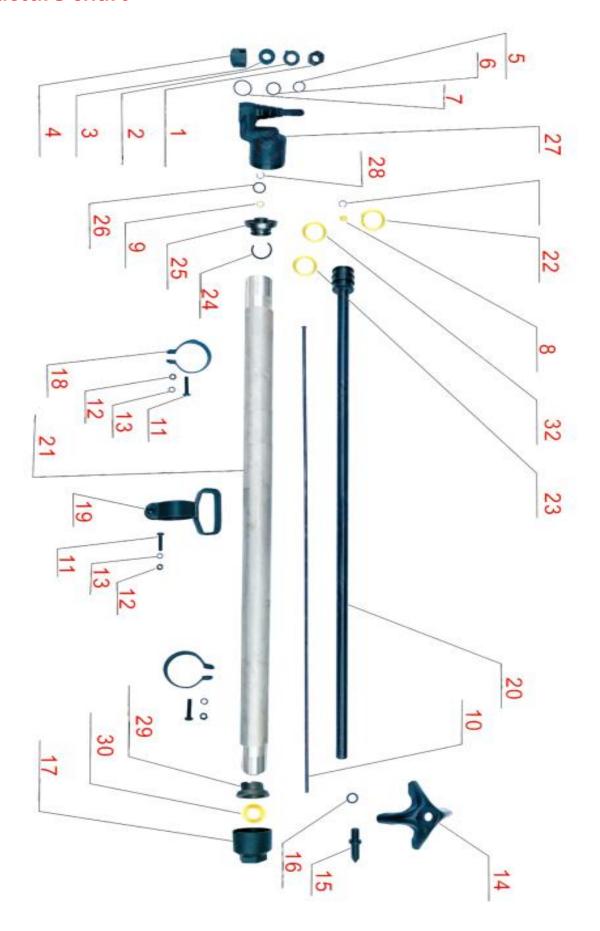
# **Spare parts list**

Parts No.   Parts No.   Description   Description   1	opare pa			
2         YT25-3.21         Positioning pin         定位销           3         25-04         Conical hose connector         维形胶管接头           4         No.2A         Hose clamp         帐篷           5         25-01         Wing nut         螺形螺母           6         25-16         Pipe socket         管接套           7         7655-309A         Air hose elbow         空气软管螺母           8         7655-307         Air hose nut         空气软管螺母           9         30x3-25         Ring seal         环形密封圈           10         YT25-3.12         Pad         垫           11         YT25-3.33         Snap ring         卡环           12         YT27-308         Water hose connector         水软管接头           13         YT27-308         Water hose connector         水软管螺母           14         18x3-25         Ring seal         环形密封圈           15         16x2.4GB1235-76         O-ring         O 形密封圈           16         YT27-310         Water hose connector snap ring         水软管接头           17         YT27-1         Control valve         操纵           18         YT27-1         Control valve         操纵           19         GB9310 </th <th>Serial No.</th> <th>Parts No.</th> <th>Description</th> <th>Description</th>	Serial No.	Parts No.	Description	Description
3   25-04   Conical hose connector   锥形胶管接头   4   No.2A   Hose clamp   喉箍   下	1	YT25-3.20	Spring	弹簧
4 No.2A Hose clamp 吸箍 5 25-01 Wing nut 螺形螺母 6 25-16 Pipe socket 管接套 7 7655-309A Air hose elbow 空气软管弯头 8 7655-307 Air hose nut 空气软管弯头 9 30x3-25 Ring seal 牙形密封圏 10 YT25-3.12 Pad 垫 11 YT25-3.33 Snap ring 卡环 12 YT27-308 Water hose connector 水软管接头 13 YT27-309 Water hose nut 水软管螺母 14 18x3-25 Ring seal 牙形密封圏 15 16x2.4GB1235-76 O-ring O 形密封圏 16 YT27-310 Water hose connector snap ring 水软管接头卡环 17 YT27-1 Control valve 操纵阀 18 YT27-306 Control handle 操纵手把 19 GB9310 Standard spring washer 标准型弹簧垫圈 20 GB6172M10 Hexagon thin nuts 六角薄螺母 21 YT25-3.17A Fastening pin 紧固销 22 YT27-315 Reversing valve 换向阀 23 YT27-314 Snap ring 卡环 24 YT24-3.14A Pressure regulating valve 调压阀 25 YT24-3.13A Up circle 涨图 26 YT27-311 Spring 冲簧 27 YT25-1.15 Tower spring 增型弹簧 28 YT25-1.14 Ratchet pawl 操枪爪 29 YT30-3.07 Large sealing sleeve 大密封套 30 YT30-3.06 Small sealing sleeve 大密封套 31 YT27-319A Left handle frame welding parts 左把手架焊接件 33 YT27-318A Damping handle 减震手把	2	YT25-3.21	Positioning pin	定位销
5         25-01         Wing nut         鎮形螺母           6         25-16         Pipe socket         曾接套           7         7655-309A         Air hose elbow         空气软管弯头           8         7655-307         Air hose nut         空气软管弯头           9         30x3-25         Ring seal         环形密封圈           10         YT25-3.12         Pad         垫           11         YT25-3.33         Snap ring         卡环           12         YT27-308         Water hose connector         水软管接头           13         YT27-309         Water hose nut         水软管接头           14         18x3-25         Ring seal         环形密封圈           15         16x2.4GB1235-76         O-ring         O 形密封圈           16         YT27-310         Water hose connector snap ring         水软管接头卡环           17         YT27-1         Control valve         操纵阀           18         YT27-310         Water hose connector snap ring         水软管接头卡环           19         GB9310         Standard spring washer         标准型弹簧垫圈           20         GB6172M10         Hexagon thin nuts         六角薄螺母           21         YT25-3.17A         Fastening pin         紧固銷	3	25-04	Conical hose connector	锥形胶管接头
6	4	No.2A	Hose clamp	喉箍
7       7655-309A       Air hose elbow       空气软管弯头         8       7655-307       Air hose nut       空气软管螺母         9       30x3-25       Ring seal       环形密封圈         10       YT25-3.12       Pad       垫         11       YT25-3.33       Snap ring       卡环         12       YT27-308       Water hose connector       水软管接头         13       YT27-309       Water hose nut       水软管螺母         14       18x3-25       Ring seal       环形密封圈         15       16x2.4GB1235-76       O-ring       O 形密封圈         16       YT27-310       Water hose connector snap ring       水软管接头卡环         17       YT27-1       Control valve       操纵阀         18       YT27-306       Control handle       操纵手把         19       GB9310       Standard spring washer       标准型弹簧         20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-314       Snap ring       卡环         23       YT27-314       Snap ring       卡环         24       YT24-3.13A       Up circle       涨圈         25       YT27-311 </th <th>5</th> <th>25-01</th> <th>Wing nut</th> <th>蝶形螺母</th>	5	25-01	Wing nut	蝶形螺母
8 7655-307 Air hose nut 空气软管螺母 9 30x3-25 Ring seal 环形密封圈 10 YT25-3.12 Pad 垫 11 YT25-3.33 Snap ring 卡环 12 YT27-308 Water hose connector 水软管螺母 14 18x3-25 Ring seal 环形密封圈 15 16x2.4GB1235-76 O-ring O形密封圈 大软管接头卡环 17 YT27-1 Control valve 操纵阀 18 YT27-306 Control handle 操纵手把 19 GB9310 Standard spring washer 标准型弹簧垫圈 20 GB6172M10 Hexagon thin nuts 六角薄螺母 21 YT25-3.17A Fastening pin 紧固销 22 YT27-315 Reversing valve 换向阀 23 YT27-314 Snap ring 卡环 24 YT24-3.13A Up circle 涨圈 25 YT25-1.15 Tower spring 增簧 27 YT25-1.14 Ratchet pawl 棘轮爪 29 YT30-3.06 Small sealing sleeve 大密封套 31 YT27-319A Left handle frame 在把手架 均在1 Fixed 17 Fixed 17 Fixed 17 Fixed 18 Fixed 18 Fixed 18 Fixed 19 Fixed 18 Fixed 19 Fixed	6	25-16	Pipe socket	管接套
9 30x3-25 Ring seal 环形密封圈 10 YT25-3.12 Pad 垫 11 YT25-3.33 Snap ring 卡环 12 YT27-308 Water hose connector 水软管接头 13 YT27-309 Water hose nut 水软管螺母 14 18x3-25 Ring seal 环形密封圈 15 16x2.4GB1235-76 O-ring O形密封圈 16 YT27-310 Water hose connector snap ring 水软管接头卡环 17 YT27-1 Control valve 操纵阀 18 YT27-306 Control handle 操纵手把 19 GB9310 Standard spring washer 标准型弹簧垫圈 20 GB6172M10 Hexagon thin nuts 六角薄螺母 21 YT25-3.17A Fastening pin 紧固销 22 YT27-315 Reversing valve 换向阀 23 YT27-314 Snap ring 卡环 24 YT24-3.14A Pressure regulating valve 调压阀 25 YT24-3.13A Up circle 涨圈 26 YT27-311 Spring 弹簧 27 YT25-1.15 Tower spring 塔型弹簧 28 YT25-1.14 Ratchet pawl 棘轮爪 29 YT30-3.07 Large sealing sleeve 大密封套 30 YT30-3.06 Small sealing sleeve 小密封套 31 YT27-319A Left handle frame welding parts 左把手架焊接件 33 YT27-318A Damping handle 减震手把	7	7655-309A	Air hose elbow	空气软管弯头
10       YT25-3.12       Pad       垫         11       YT25-3.33       Snap ring       卡环         12       YT27-308       Water hose connector       水软管接头         13       YT27-309       Water hose nut       水软管螺母         14       18x3-25       Ring seal       环形密封圈         15       16x2.4GB1235-76       O-ring       O 形密封圈         16       YT27-310       Water hose connector snap ring       水软管接头卡环         17       YT27-1       Control valve       操纵阀         18       YT27-316       Control handle       操纵系         19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角溥螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       排資         28 <t< th=""><th>8</th><th>7655-307</th><th>Air hose nut</th><th>空气软管螺母</th></t<>	8	7655-307	Air hose nut	空气软管螺母
11       YT25-3.33       Snap ring       卡环         12       YT27-308       Water hose connector       水软管接头         13       YT27-309       Water hose nut       水软管螺母         14       18x3-25       Ring seal       环形密封圈         15       16x2.4GB1235-76       O-ring       O 形密封圈         16       YT27-310       Water hose connector snap ring       水软管接头卡环         17       YT27-1       Control valve       操纵阀         18       YT27-306       Control handle       操纵手把         19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       排型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29	9	30x3-25	Ring seal	环形密封圈
12	10	YT25-3.12	Pad	垫
13       YT27-309       Water hose nut       水软管螺母         14       18x3-25       Ring seal       环形密封圈         15       16x2.4GB1235-76       O-ring       O 形密封圈         16       YT27-310       Water hose connector snap ring       水软管接头卡环         17       YT27-1       Control valve       操纵阀         18       YT27-306       Control handle       操纵所         19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角溥螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.13A       Up circle       涨圈         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       大密封套         31	11	YT25-3.33	Snap ring	卡环
14       18x3-25       Ring seal       环形密封圈         15       16x2.4GB1235-76       O-ring       O 形密封圈         16       YT27-310       Water hose connector snap ring       水软管接头卡环         17       YT27-1       Control valve       操纵阀         18       YT27-306       Control handle       操纵手把         19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       排至弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       大密封套         31       YT27-319A       Left handle frame       右把手架      <	12	YT27-308	Water hose connector	水软管接头
15 16x2.4GB1235-76 O-ring O形密封圈 16 YT27-310 Water hose connector snap ring 水软管接头卡环 17 YT27-1 Control valve 操纵阀 18 YT27-306 Control handle 操纵手把 19 GB9310 Standard spring washer 标准型弹簧垫圈 20 GB6172M10 Hexagon thin nuts 六角薄螺母 21 YT25-3.17A Fastening pin 紧固销 22 YT27-315 Reversing valve 换向阀 23 YT27-314 Snap ring 卡环 24 YT24-3.14A Pressure regulating valve 调压阀 25 YT24-3.13A Up circle 涨圈 26 YT27-311 Spring 弹簧 27 YT25-1.15 Tower spring 增聚单 28 YT25-1.14 Ratchet pawl 棘轮爪 29 YT30-3.07 Large sealing sleeve 大密封套 30 YT30-3.06 Small sealing sleeve 小密封套 31 YT27-319A Left handle frame 相手架 32 YT27-318A Damping handle 减震手把 34 YT27-316 trigger 扳机	13	YT27-309	Water hose nut	水软管螺母
16         YT27-310         Water hose connector snap ring         水软管接头卡环           17         YT27-1         Control valve         操纵阀           18         YT27-306         Control handle         操纵手把           19         GB9310         Standard spring washer         标准型弹簧垫圈           20         GB6172M10         Hexagon thin nuts         六角薄螺母           21         YT25-3.17A         Fastening pin         紧固销           22         YT27-315         Reversing valve         换向阀           23         YT27-314         Snap ring         卡环           24         YT24-3.14A         Pressure regulating valve         调压阀           25         YT24-3.13A         Up circle         涨圈           26         YT27-311         Spring         弹簧           27         YT25-1.15         Tower spring         塔型弹簧           28         YT25-1.14         Ratchet pawl         棘轮爪           29         YT30-3.07         Large sealing sleeve         大密封套           30         YT30-3.06         Small sealing sleeve         小密封套           31         YT27-317A         Right handle frame         右把手架           32         YT27-318A         Damping handle         減震手犯	14	18x3-25	Ring seal	环形密封圈
17       YT27-1       Control valve       操纵阀         18       YT27-306       Control handle       操纵手把         19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       增型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-316       trigger       扳机	15	16x2.4GB1235-76	O-ring	O形密封圈
18	16	YT27-310	Water hose connector snap ring	水软管接头卡环
19       GB9310       Standard spring washer       标准型弹簧垫圈         20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       大密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減馬手把         34       YT27-316       trigger       扳机	17	YT27-1	Control valve	操纵阀
20       GB6172M10       Hexagon thin nuts       六角薄螺母         21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	18	YT27-306	Control handle	操纵手把
21       YT25-3.17A       Fastening pin       紧固销         22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	19	GB9310	Standard spring washer	标准型弹簧垫圈
22       YT27-315       Reversing valve       换向阀         23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	20	GB6172M10	Hexagon thin nuts	六角薄螺母
23       YT27-314       Snap ring       卡环         24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       减震手把         34       YT27-316       trigger       扳机	21	YT25-3.17A	Fastening pin	紧固销
24       YT24-3.14A       Pressure regulating valve       调压阀         25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	22	YT27-315	Reversing valve	换向阀
25       YT24-3.13A       Up circle       涨圈         26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       搭型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	23	YT27-314	Snap ring	卡环
26       YT27-311       Spring       弹簧         27       YT25-1.15       Tower spring       塔型弹簧         28       YT25-1.14       Ratchet pawl       棘轮爪         29       YT30-3.07       Large sealing sleeve       大密封套         30       YT30-3.06       Small sealing sleeve       小密封套         31       YT27-317A       Right handle frame       右把手架         32       YT27-319A       Left handle frame welding parts       左把手架焊接件         33       YT27-318A       Damping handle       減震手把         34       YT27-316       trigger       扳机	24	YT24-3.14A	Pressure regulating valve	调压阀
27YT25-1.15Tower spring塔型弹簧28YT25-1.14Ratchet pawl棘轮爪29YT30-3.07Large sealing sleeve大密封套30YT30-3.06Small sealing sleeve小密封套31YT27-317ARight handle frame右把手架32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle減震手把34YT27-316trigger扳机	25	YT24-3.13A	Up circle	涨圈
28YT25-1.14Ratchet pawl棘轮爪29YT30-3.07Large sealing sleeve大密封套30YT30-3.06Small sealing sleeve小密封套31YT27-317ARight handle frame右把手架32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle減震手把34YT27-316trigger扳机	26	YT27-311	Spring	弹簧
29YT30-3.07Large sealing sleeve大密封套30YT30-3.06Small sealing sleeve小密封套31YT27-317ARight handle frame右把手架32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle减震手把34YT27-316trigger扳机	27	YT25-1.15	Tower spring	塔型弹簧
30YT30-3.06Small sealing sleeve小密封套31YT27-317ARight handle frame右把手架32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle減震手把34YT27-316trigger扳机	28	YT25-1.14	Ratchet pawl	棘轮爪
31YT27-317ARight handle frame右把手架32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle減震手把34YT27-316trigger扳机	29	YT30-3.07	Large sealing sleeve	大密封套
32YT27-319ALeft handle frame welding parts左把手架焊接件33YT27-318ADamping handle减震手把34YT27-316trigger扳机	30	YT30-3.06	Small sealing sleeve	小密封套
33YT27-318ADamping handle减震手把34YT27-316trigger扳机	31	YT27-317A	Right handle frame	右把手架
<b>34</b> YT27-316 trigger 扳机	32	YT27-319A	Left handle frame welding parts	左把手架焊接件
	33	YT27-318A	Damping handle	减震手把
35 GB879 8X24 Elastic cylindrical pin 弹性圆柱销	34	YT27-316	trigger	扳机
	35	GB879 8X24	Elastic cylindrical pin	弹性圆柱销

			total XI
36	YT25-3.05	Reed cover	<b>簧盖</b>
37	YT25-3034	Elastic ring	弹性环
38	YT25-3.06	Spring	弹簧
39	YT27-204	Rotating nut	转动螺母
40	YT25-3.35	Pad	垫
41	YT25-3.08	Water injection valve body	注水阀体
42	YT25-3.11	Water injection valve	注水阀
43	4x2-25	Ring seal	环形密封圈
44	24x2.4	O-ring	O形密封圈
45	YT25-3.13	Rubber pad	胶垫
46	YT29-2	Back head	柄体
47	7655D-2	Water needle sleeve	水针套
48	YT25-3.14	Air needle cushion	气针垫
49	YT29-3	Ratchet	棘轮
50	YT27	Valve	阀
51	YT29-4	Valve deck	阀盖
52	YT29-5	Valve cabinet	阀柜
53	YT27-6	Valve sleeve	阀套
54	YT27-7	Spiral rod	螺旋棒
55	7655-111	Spiral nut	螺旋母
56	YT29-9A	Muffler cover	消声罩
57	NO.4X	Hose clamp	喉箍
58	YT27-10	Cylinder block	缸体
59	YT27-1/11Z	Guide sleeve	导向套体
60	YT27-12	Piston	活塞
61	GB56M16	Hexagon thick nut	六角厚螺母
62	YT27-13	Long bolt	长螺栓
63	YT27-14	Air needle	气针
64	YT27-15	Water needle	水针
65	YT27-16	Front head	机头
66	YT27-17	Rotating sleeve	转动套
67	CD990 M16	I type non-metallic insert	I型非金属嵌件
67	GB889 M16	Hexagon lock nut	六角锁紧螺母
68	76565-205	Rod chuck spring	钎卡弹簧
69	7655-203C	Rod chuck bolt	钎卡螺栓
70	YT25-2.03	Shank sleeve	钎尾套
71	7655-207C	Rod chuck	钎卡
72	YT27-2/11Z	Bushing	衬套
73	FY250	Lubricator	注油器
74	7655D-6	Positioning pin	定位销

# FT160A Air leg

## structure chart



# FT160A Air leg

# **Spare parts list**

Serial No.	Parts No.	Description	Description	
1	FT160A-1	Fasten the screw nut	锁紧螺母	
2	FT160A-2	Stop pad	止退垫	
3	FT160A-3	Elastic rubber pad	弹性胶垫	
4	FT160A-4	Anti-loose sleeve	防松套	
5	32x3.1 GB1235-76	O-ring	O形密封圈	
6	38x3.5 GB1235-76	O-ring	O形密封圈	
7	45x3.1 GB1235-76	O-ring	O形密封圈	
8	FT160A-16	Air hose rubber pad	气管胶垫	
9	FT160A-10	Double YX sealing ring	双 YX 形密封圈	
	FT140-14 ( FT160A、FT170)	Air tube		
10	FT160B-3	Air tube	气管	
	FT160C-3	Air tube		
11	GB5782 M10x40	Hexagon head bolts	六角头螺栓	
12	AM10 GB53-76	Small hexagon flat nuts	小六角扁螺母	
13	GB93 10	Standard spring washer	标准型弹簧垫圈	
14	FT160A-15	Top fork welding parts	顶叉焊接件	
15	FT160A-14	top notch	顶尖	
16	GB93 22	Standard spring washer	标准型弹簧垫圈	
17	FT160-12A ( FT160A、B、C)	Down tube seat	下管座	
18	FT160-11	Locking ring	锁紧圈	
19	FT160A-17 (FT160A、B)	Handle	- 提把	
	FT160-10 ( FT160C )	Handle		
	FT160A-12	Piston rod welding parts		
20	FT160B-2	Piston rod welding parts	] 活塞杆焊接件	
	FT160C-2	Piston rod welding parts	1	
	FT160A-11	Outer tube		
21	FT160B-1	Outer tube	_ _ 外管	
	FT160C-1	Outer tube		
22	FT160A-9 ( FT160A、B、C)	YX sealing ring	YX 形密封圈	
23	FT160A-8 (FT160A、B、C)	Support ring	支承环	
24	FT160A-7	Elastic ring	弹性圈	
25	FT160A-6	Frame pad	架体垫	
26	30x3.1 GB1235-76	O-ring	O形密封圈	
27	FT160A-5	Frame Welding Parts	架体焊接件	
28	GB893.1 22	Elastic retaining ring For hole	孔用弹性挡圈	
29	FT160A-13 ( FT160A、B、C)	Guide sleeve	导向套	
30	FT140-16A ( FT160A、B、C)	Dust sleeve	防尘套	

# **FY250** Lubricator

## structure chart



# FY250 Lubricator

# **Spare parts list**

Serial No.	Parts No.	Description	Description
1	FY250B-1	Fasten the screw nut	注油器体
2	FY200B-2	Stop pad	油阀
3	FY250B-3	Elastic rubber pad	売体
4	FY200-2	Anti-loose sleeve	挡圈
5	FY200-11	O-ring	弹性挡圈
6	FY200A-2	O-ring	油堵
7	GB879 3x24	O-ring	弹性圆柱销
8	14x2.4 I-1 GB1235-76	O-ring	O形密封圈
9	22x2.4 I-1 GB1235-76	O-ring	O形密封圈
10	35x3.1 I-1 GB1235-76	O-ring	O形密封圈
11	Q/LB18-92-52x3	O-ring	O形密封圈
12	Q/LB3-94-25*	Small hexagon flat nuts	蝶型螺母
13	Q/LB4-92-25*	Standard spring washer	锥形气管接头
14	Q/LB14-92-A25	Top fork welding parts	管接套