

ZQ203/125 型钻杆动力钳

Model ZQ203/125 DRILL PIPE POWER TONG



ZQ203-125 型钻杆动力钳是 ZQ203-100 型钻杆动力钳的换代产品，其扭矩更大，并安装了液压吊杆等装置，可随时调整钳身高度，机械化程度更高，可广泛用于石油矿场钻（修）井作业。特点：

ZQ203-125 Drill pipe power tong is updated power tong of ZQ203-100 drill pipe tong, it has bigger torque and improved structure, installed with hydraulic lift for adjusting the height of this powertong itself. This tong makes up or breaks out without any cat head, manual tong and spinning rope (or spinning chain). Characteristics:

- 采用液气联合控制系统，增强了工作的可靠性。

This tong adopts hydraulic and pneumatic control system so it enhances working reliability.

- 采用上下钳合体结构，避免了钻柱在大扭矩作用下弯曲的可能性，并防止钻柱在卡瓦中打滑。

Upper tong integrates with lower tong to avoid twisting drill pipe bent in big torque operation and to prevent slipping in caliper.

- 本钳采用轻便灵活的钳头浮动方案，使吊装大为简化；自动对中夹紧机构可保证新旧接头卡紧可靠。

This tong has adopted flexible and lighter floating tong head so that the handling is easy and simple,

the automatic centralizing mechanism could ensure clamping new or old joint reliable.

- 增强型的钳身和安全门，有效地限制了大扭矩作业时钳头的变形。

The enhanced tong body and safety door could prevent tong head from deformation during large torque operation.

- 钳头中独特的坡板与楔形块联接结构，拆装维护极为方便。

The special ramp in the tong head and wedge piece connection structure make the maintenance simple and easy.

- 气胎离合器不停车换档机构，操作简便，扭矩与转速均能控制，正反方向都可产生最大扭矩和转速。

Operation is easy and simple with pneumatic tyre clutch non-stop shifting mechanism, Torque and speed can be controlled. It can get the biggest torque and the highest speed in clockwise or counter-clockwise.

- 配备了大通径的手动换向调压阀，实现了大扭矩自动卸荷，有效地保护了钻柱接头丝扣。

This tong has equipped hand control and adjusting valve with big diameter hose, so it could unload automatically during large torque and protect the drill pipe joint screw efficiently.

- 采用液压吊杆升降钳身高度，推进气缸移送钳身位置，不需人力位移钳体。

This tong has adopted hydraulic lift to raise or decrease the height of tong itself, the moving cylinder could move the tong position so it could save labor.



技术参数 Technical parameters

1	适用管径 Application range	3 1/2" ~5 1/2" 钻杆接头、8" 钻铤、7" 及以下套管	
2	额定扭矩 Torque Range @2610PSI / 18 MPa	高档 High: 7380 ft-lbs/ 10000 N·m	低档 Low : 92250 ft-lbs/ 125000 N·m
3	最大转速 Maximum @32GPM / 120 LPM	高档 High: 33 RPM	低档 Low: 2.2RPM
4	额定供油 Oil Flow	2610 PSI @32GPM / 18 MPa @120 LPM	
5	额定供气 Air Flow	73~131 PSI / 0.5~0.9 MPa	
6	移送气缸行程 Maximum Stroke	59" / 1.5 m	
7	外形尺寸 Overall dimension(L×W×H)	68.9"×41.7"×66" / 1750×1060×1680 mm	
8	重量 Weight	5512 lbs / 2500 kg	

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