

# ZQ162/50A 型钻杆动力钳

## Model ZQ162/50A DRILL PIPE POWER TONG



ZQ162/50A 型钻杆动力钳,广泛用于石油矿场钻(修)井作业。本钳为旋扣钳和扭矩钳合为一体的结构,操作简便、安全、省力,作业效率高,特别适用于起下钻频繁,钻井周期长的场合,使用本钳上卸扣,不需再用猫头、吊钳和旋绳(或旋链)。ZQ162/50A 型钻杆动力钳比原 ZQ100 型钻杆动力钳有较大的改进,其积小,轻便灵活,也可以安装液压吊杆等装置,用于随时调整钳身高度,使机械化程度更高。

ZQ162/50A drill pipe power tong is suitable for petroleum and mine drilling operation. It's a combination of turn-lock clasp tong and torque tong, with convenient,safety, saving operation and high efficiency. It is special suitable for frequent roundtrip and long drilling period. This tong makes up or breaks out without any cat head,hanging tong and spinning rope (or spinning chain).ZQ162/50A drill pipe power tong owns much improvement, having smaller size ,which is much more flexible. It's also can be equipped with hydraulic hanger to adjust the height of tong body, resulting in higher level of mechanization.

本钳所具有的特点 This tong has following features:

- 采用液气联合控制系统,增强了工作的可靠性;

This tong simplifies hydraulic system uses pneumatic and hydraulic united controlled system, enhancing the work 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 in big torque operation and to prevent it slipping in neck.

- 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 adopt flexible floating mechanism, making hoist simplified and automatically centered clipping mechanism can assure the their work reliability.

- 增强型的钳身和安全门,有效限制了大扭矩作业时钳头的变形;

Enhanced tong body and safety door restrain deformation at large torque with effectively.

- 钳头中独特的坡板与楔形块联接结构,装拆维护极为方便;

The connection of unique ramp and wedge block makes assembly and removal very convenient.

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

The pneumatic tyre clutch shifting without pause enable the torque and speed can be controlled conveniently.

What's more, positive and negative direction all cangenerate maximum torque and speed.

- 可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。

We can use hydraulic hanger to adjust the height of tong body and impel cylinder to regulate the position without labor force.



### 技术参数 Technical parameters

1	适用管径 Application range	2 3/8"~5"钻杆	
2	输出扭矩 Torque range @2320PSI / 16 MPa	高档 High: 2580 ft·lbs/ 3500 N·m	低档 Low: 36800 ft·lbs/ 50000 N·m
3	最大转速 Max RPM @32GPM / 120 LPM	高档 High: 60 RPM	低档 Low: 4.0 RPM
4	额定供油 Oil flow	2320 PSI @32GPM / 16 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 Cylinder range	40" / 1 m	
7	外形尺寸 Overall dimension(L×W×H)	61.8"×31.5"×53.9" / 1570×800×1370mm	
8	重量 Weight	3520 lbs / 1600kg	

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