

钻铤/ Drill Collar



标准: API SPEC 7-1, API SPEC 7-2

钻铤用途:

钻柱的最重要组成部分之一,具有向钻头提供钻进的压力及提高钻柱刚性的作用。

产品描述:

优质、独特的选材,对微量元素的含量进行有效的控制,特殊的中频热处理工艺方法,更高的机械性能和先进的超声波磁粉探伤方法。根据钻铤的外形与材料分为三种形式:

- 1、A型(圆柱式):用普通合金钢制造,管体横截面内外皆为圆形的钻铤。
- 2、B型(螺旋式):用普通合金钢制造,管体外表面具有螺旋槽的钻铤。
- 3、C型(无磁式):用磁导率很低的合金钢制成,管体横截面内外皆为圆形的钻铤。

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Usage:

It's one of the most important elements of drill stem. It can provide drilling pressure to the bit and improve drill stem rigid.

Effectively control the trace element of the material which was selected with high quality and unique method. Adopt special intermediate frequency heat treatment method and advanced ultrasonic and magnetic particle inspection method and holding higher mechanical property. According to the shape and material drill collar was divided into three forms:

1. Type A (cylindrical): To be made of ordinary alloy steel, with circular cross section inside and outside the drill collar.
2. Type B (Spiral): To be made of ordinary alloy steel, with spiral grooves on the outer surface of drill collar.
3. Type C (Nonmagnetic): To be made of low magnetic permeability alloy steel, with circular cross section inside and outside the drill collar.

加重钻杆/ Heavy Weight Drill Pipe



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加重钻杆是普通钻杆与钻铤之间的过渡钻柱段,它能有效的缓解钻铤与钻杆在结合中过渡段的应力集中,提供钻压、并能有效的减少钻柱与井壁的联接面积及外径磨损率。

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HWDP is a kind of transitional drill stem between drill pipe and collar. It can effectively alleviate the stress concentration in transition section between collar and drill pipe and provide drilling pressure, and it can effectively reduce connection area and wear rate between drill string and the well wall.

钻铤、加重钻杆主要工艺流程图/ Drill Collar & Heavy Weight Drill Pipe Flow Chart

