



浮箍 浮鞋 引鞋

Float Collar / Float Shoe & Guide Shoe

使 用 维 护 说 明 书

USER MANUAL

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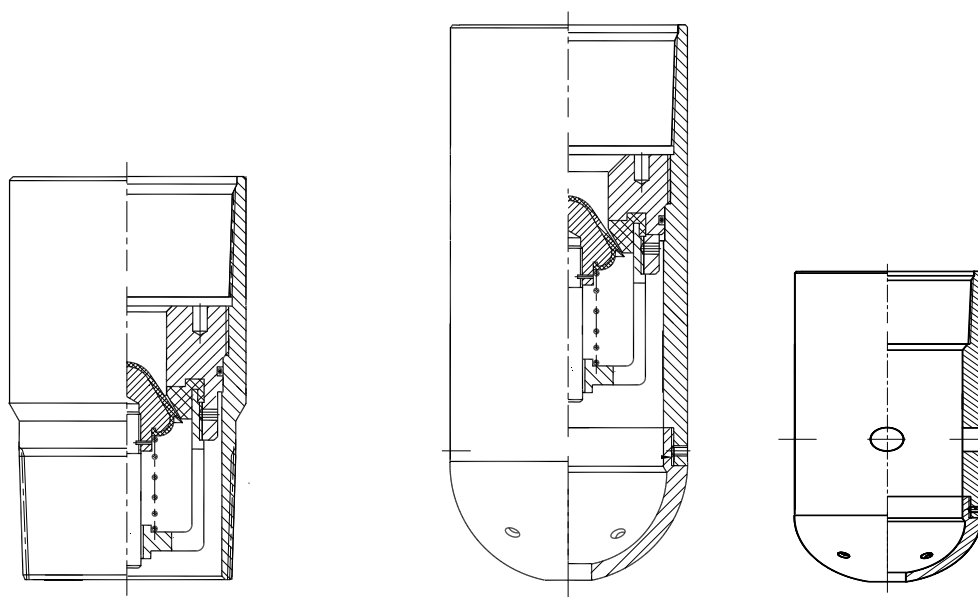
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1、产品特点及用途 PRODUCT FEATURE AND USAGE:

浮箍、浮鞋、引鞋是套管柱下部结构常规的必备附件之一，通常串接在管柱的下部，用来引导套管柱顺利入井，防止水泥浆倒流以及实现固井碰压后放压后凝，减轻井架负荷，控制水泥塞高度。此装置内部构件采用可钻性良好的铝合金加工而成。

Float collar/ float shoe and guide shoe are one of the conventional necessary accessories of bottom casing string, usually connected onto the bottom of casing string, used to guide casing string into well smoothly, to prevent the reverse flow of cement slurry and realize coagulation after cementation pressure release, relieve the load of derrick and control the cement plug height. The internal components of the device are made of aluminum alloy which is well drillable.



Float collar

Float shoe

Guide shoe

- 内部是可钻性材料，用牙轮钻头或 PDC 钻头轻松钻除。

Internal latch and valve are readily drillable with tri-con and PDC bits.

- 独特的设计可以防止液流的冲击和侵蚀，确保可以长时间的循环，密封可靠。

The unique design prevents impingement and erosion of the seal by the circulation fluids, ensuring positive sealing after prolonged circulation.

- 可应用于水平井和大斜度井。

Applications in horizontal or highly-deviated wells.

2、主要技术参数 MAIN TECHNICAL PARAMETERS:

规格 Specifications	最大外径 MAX O.D. mm	正向承压 Positive Pressure MPa	反向承压 Reverse Pressure MPa	水眼 Water hole
2 ³ / ₈ "(Φ60.3mm)	Φ72.4/Φ77.8	25	30	Φ20
2 ⁷ / ₈ "(Φ73mm)	Φ88.9/Φ93.6	25	30	Φ25
3 ¹ / ₂ " (Φ88.9mm)	Φ108/Φ114.3	25	30	Φ35
4" (Φ101.6mm)	Φ120.7/Φ127	25	30	Φ35
4 ¹ / ₂ " (Φ114.3mm)	Φ127/Φ141.3	25	30	Φ50
5" (Φ127mm)	Φ141.3	25	30	Φ50
5 ¹ / ₂ " (Φ139.7mm)	Φ153.67	25	30	Φ55
5 ³ / ₄ " (Φ146mm)	Φ166	25	30	Φ55
6 ⁵ / ₈ " (Φ168.27mm)	Φ188	25	30	Φ65
7" (Φ177.8mm)	Φ195	25	30	Φ65
7 ⁵ / ₈ " (Φ193.67mm)	Φ216	25	30	Φ65
7 ³ / ₄ "(Φ196.85mm)	Φ220	25	30	Φ65
7 ⁷ / ₈ "(Φ200.03mm)	Φ225	25	30	Φ65
8 ⁵ / ₈ " (Φ219.1mm)	Φ243	25	30	Φ65
9 ⁵ / ₈ " (Φ244.5mm)	Φ270	25	30	Φ65
9 ⁷ / ₈ " (Φ250.83mm)	Φ276	25	30	Φ65
10 ³ / ₄ " (Φ273mm)	Φ299	25	30	Φ65
11 ³ / ₄ " (Φ298.45mm)	Φ325	25	30	Φ65
12 ³ / ₄ " (Φ324mm)	Φ351	25	30	Φ65
13 ³ / ₈ " (Φ339.7mm)	Φ365	21	21	Φ65
13 ⁵ / ₈ " (Φ346.08mm)	Φ371	21	21	Φ65
16" (Φ406.4mm)	Φ432	21	21	Φ65
16 ³ / ₄ " (Φ426mm)	Φ451	21	21	Φ65
18 ⁵ / ₈ " (Φ473.1mm)	Φ508	21	21	Φ65
20" (Φ508mm)	Φ533.4	21	21	Φ65

浮箍浮鞋的联接螺纹 Connection Thread:

- API: EUE 、NUE 、LTC、STC、BTC.
- GOST: OTTM.
- Premium Connections: Tenaris hydril, JFE, TPCQ, WSP, VAM, HUNTING, Bao Steel.

3、使用方法及注意事项 USE METHOD AND ATTENTIONS:

3.1 将套管接箍丝扣清洗干净，并涂上螺纹脂，然后用液压钳将浮鞋和浮箍与套管接箍联接上紧。

Clean the thread of casing coupling, coat with thread compound, then connect the float shoe & float collar and casing coupling with hydraulic tongs.

3.2 然后下放套管，将套管下至预定井深位置时，固井侯凝。

Then downhole the casing, when insert the casing into a predetermined depth, wait for the cement solidification.

3.3 在下放套管过程中，要注意控制套管下放速度，防止下放过速产生的压力激动而压裂脆弱地层；

In the process of lower casing, attetion should be paid to control casing downhole speed, in case pressure generated by faster release of casing fracture weak stratum.

3.4 控制套管内外静液柱压差，最大掏空深度不大于 600 米。

Control the pressure difference between internal and external casing hydrostatic fluid,maximium empty depth no more than 600meters.

3.5 在贮存时，一定要在丝扣表面涂防锈油，在搬运时，防止丝扣碰坏。

When storage, make sure to coat anti-rust oil on surface of threads, when move, prevent thread damage.