



YFZ 型双级注水泥器

YFZ 型双级注水泥器为内关闭结构,通过投重力塞或顶替型打开塞使循环孔打开,关闭塞带动关闭套下行关闭循环孔。

特点:

- 1. 采用内关闭式结构,关闭后可实现永久性自锁;
- 2. 打开、关闭动作时均不存在小腔液体压缩问题;
- 3. 上下接头内径与套管内径一致,但小于关闭套内径,起下钻及钻除作业 时可有效保护关闭套,使其免受损伤;
- 4. 全部附件均由可钻性好的橡胶/铝制材料制成,且具有防转机构,钻除方便;
- 5. 配有顶替型打开塞,可用于连续式双级注水泥作业。

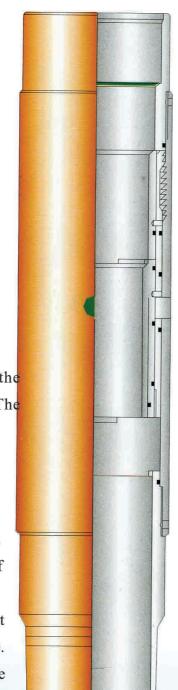
YFZ Double Stage Cementer:

The YFZ double stage cementer is inner-closing configuration, in which the circulation holes are opened with free-fall or pumping-down opening plug. The closing plug drives the closing sleeve to shut off the circulation holes.

Features:

1. With inner-closing structure, the YFZ double stage cementer can bring self-locking after closing.

- 2. The compressure-relief design prevents fluid trapping and compression between the opening device and the closing plug during the closing phase of the tool's operation.
- 3. The I.D. of upper/lower sub is the same as that of casing, but smaller than that of closing sleeve, which can minimize chances of damages to the closing sleeve.
- 4. The inner spares are made of an easily drillable rubber/aluminum material. Both the opening and closing sparts have against rotation for easy drillout.
- 5. Fixing the replaced type opening plug, it is used in the operation of continuous cementing.



CFZ 型液压式双级注水泥器

CFZ 型液压式双级注水泥器为关闭结构,通过液体的压差打开循环孔, 关闭塞带动关闭套下行关闭循环孔。

特点:

- 1. 打开压力可以调节,且打开动作不受井斜的影响;
- 2. 碰压后即可打开循环孔、打开、关闭动作时均不存在小腔液体压缩问题;
- 3. 上下接头内径与套管内径一致,但小于关闭套内径,起下钻及钻除作业 时可有效保护关闭套,使其免受损伤;
- 4. 全部附件均由可钻性好的橡胶/铝制材料制成,且具有防转机构,钻除方便;

CFZ Hydraulic Opening Stage Cementer:

The CFZ hydraulic opening stage cementer is inner-closing configuration opening through pressure difference. The closing plug drives the closing sleeve to shut the circulation holes.

Features:

- 1. Opening pressure can be adjusted and it is not effected by hole angle or mud properties for operation.
- 2. The pressure-relief design prevents fluid trapping and compression during the opening phase of the tool's operation.
- 3. The I.D.of upper/lower sub is the same as that of casing, but smaller than that of closing sleeve, which can minimize chances of damages to the closing sleeve.
- 4. The inner spares are made of an easily drillable rubber/aluminum material. Both the opening and closing sparts have against rotation for easy drillout.

TIZY CIZ EXTENS Specifications I diameter	YFZ,	CFZ 型技术参数	Specifications Parameter
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112, 612 1.3	Specifications I araniettes		
规格(mm) Specifications(mm)	Ф 139. 7	Ф177.8	Ф244. 5
最大外径(mm) MAX O. D. (mm)	170	208	285
通径(mm) Drill-out .D.(mm)	122	155	220
额定负荷(t) Rated Load(t)	140	170	210
密封能力(Mpa) Sealing Capacity(Mpa)	25	25	25
打开压力(Mpa) Opening Pressure(Mpa)	7-8	7–8	7-8
关闭压力(Mpa) Closing Pressure(Mpa)	5–6	5–6	5-6
下滑套内径(mm) Lower Sliding Sleeve .D(mm)	85	115	176
上滑套内径(mm) Upperr Sliding Sleevel .D(mm)	95	125	197







