

杆式抽油泵 INSERT PUMPS

杆式抽油泵在地面整体组装后，接到抽油杆的下端，整体通过油管下入井内。检泵时不需起下油管，作业方便，适合于深井。由于缩短了作业时间，减少油管上卸扣的次数，所以延长了油管的使用寿命。杆式抽油泵根据支承总成类型可分为机械式和皮碗式，按支承位置分成定筒式顶部固定、定筒式底部固定和动筒式底部固定三种。

The insert pump can be connected to sucker rod on the surface and then lowered into the wells integrally through the tubing. Pump checks are easy and without the need of pulling and running the tubing. This makes it especially suitable for deep well applications. Reduced running time and make-and-breaks can surely enhance tubing working life. Insert pumps are clarified as mechanical and cup hold-down pumps by hold-down types or as top hold-down, bottom hold-down and traveling barrel insert pumps by hold-down positions.

杆式抽油泵参数

Specifications for Insert Pumps

型号 Model	公称直径, mm Nominal Dia.(in)	柱塞长度, m Plunger Length(ft)	冲程, m Stroke	泵常数, m ³ /d Pump Constant	连接油管螺纹, in Tubing and Thread	连接抽油杆, in Sucker Rod
25-112RHAC/M	28(1.12)	1.2-1.8 (4-6)	≤7.5	0.92	2 7/8	3/4
20-125RHAC/M	32(1.25)			1.14	2 3/8	3/4
25-150RHAC/M	38(1.50)			1.64	2 7/8	3/4
25-175RHAC/M	44(1.75)			2.24	2 7/8	3/4
30-225RHAC/M	57(2.25)			3.69	3 1/2	3/4
20-125RHBC/M	32(1.25)			1.14	2 3/8	3/4
25-150RHBC/M	38(1.50)			1.64	2 7/8	3/4
25-175RHBC/M	44(1.75)			2.24	2 7/8	3/4
30-225RHBC/M	57(2.25)			3.69	3 1/2	3/4
20-125RHTC/M	32(1.25)			1.14	2 3/8	3/4
25-150RHTC/M	38(1.50)			1.64	2 7/8	3/4
25-175RHTC/M	44(1.75)			2.24	2 7/8	3/4
30-225RHTC/M	57(2.25)			3.69	3 1/2	3/4

特种泵 SPECIALTY SUCKER ROD PUMPS

特种抽油泵适用于含砂井、含气井、稠油井、斜井、腐蚀性井况、管柱多落物井等不同类型油井的开采。

根据现场使用情况及用户要求，设计、加工制造各种特种抽油泵及其零部件，包括：

- 1、泵筒制造采用深井电镀、强力珩磨等先进工艺，整筒电镀长度可达11米，各种杆类、筒类零件的电镀长度可达11米；
- 2、镀铬及镍基喷焊等各种柱塞；
- 3、不锈钢、陶瓷、硬质合金等不同材料的系列高精度球阀阀座。

Special sucker rod pumps are applicable for sand, gas or high viscous wells, deviated wells, or for use in sour well condition or junk pipe string well production.

Various types of specialty pumps and accessories as follows can be designed and made for actual applications and upon client's request:

1. Plungers electroplated in deep well and then forcefully honed on machines, with electroplated length up to 11m for plungers, rods and barrel items;
2. Optional chrome-plated plungers or Ni-Base coated plungers by spray welding processes;
3. High precision valve balls and seats in various materials such as stainless steel, ceramic and carbide.

