

Sucker Rod Pump

Product Explanation:

The inner surface of the pump barrel is processed with carbonization quenching and chrome plating technology, the plunger surface is processed with thermal metal spraying technology. The pump ranges from $\Phi 28$ mm to $\Phi 108$ mm, and it has been formed a series of products as sand control, anti-gas, heavy oil, deep pumping, inclined shaft, anti-corrosion and etc.

Product Features:

The pumps can adapt to the requirement of long stroke, high speed and deep producing. Also the pumps have many advantages such as high pumping efficiency, large displacement, good abrasion resistance and corrosion resistance, long operation periods and easy to maintain.



Rod pump

Product Explanation:

Rod pump is also referred to “insert pump” as it should be installed inside the tubing with the sucker rod. It is not necessary to pull the tubing out of the well when checking the pump, which can make the operation easier and quicker, it also prolongs the service life of tubing. The pump body can swing around the immobility setting, so it is suitable to use in the deep wells and deviated wells.

According to seating mode, the rod pump can be divided into two types: cup hold-down pump and mechanical hold-down pump. According to the anchored position, the rod pump can be divided into top anchor pump and bottom anchor pump (including stationary barrel type and traveling barrel type).

Product Features:

The top anchored pump with stationary barrel is suitable for sandy wells. The fluid which discharged from the guide cage can wash away the sand between the tubing and the top of the pump. This type of pump is not recommended to use in deep wells.

The bottom anchored pump with stationary barrel is suitable for deep wells. The barrel only receives the pressure from the outside and does not need to bear the tensile load from the weight of liquid. The clearance changing of the pump is very small. The bottom anchored pump is not recommended to use in sandy wells.

In this pump, the barrel is connected with sucker rod and moves up and down with the sucker rod string. The plunger is fixed in the tubing with pulling pipe and bottom seating assembly. The traveling barrel pump is suitable for sandy wells. The movement of traveling barrel can keep the fluid in motion and wash the sands down. The traveling barrel pump is not suitable for gas wells and heavy oil wells. It is not recommended for the pumps working with long stroke in deep wells, either.

Product Specifications:

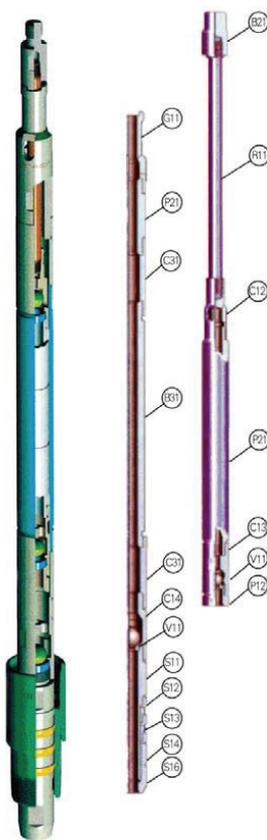
Specification	Nominal Bore mm(in)	Plunger Lengthm(ft)	Max. O.D. mm	Rod in	Tubing in	Pump Constant m ³ /d	Stroke m
20(25)–112RHAC	28 (1.12)	1.2–1.8 (4–6)	47.5	3/4	2–3/8 (2–7/8)	0.92	≤7.5
20(25)–112RHAM			47.6	3/4			
20(25)–125RHAC	32 (1.25)		47.5	3/4	2–3/8 (2–7/8)	1.14	
20(25)–125RHAM			47.6				
25–150RHAC	38 (1.50)		59.4	3/4	2–7/8	1.64	
25–150RHAM			59.5				
25–175RHAC	44 (1.75)		59.4	3/4	2–7/8	2.24	
25–175RHAM			59.5				
25–200RWAC	51 (2.00)		59.4	3/4	2–7/8	2.91	
25–200RWAM			59.5				
30–225RHAC	57 (2.25)		72.1	3/4	3–1/2	3.69	
30–225RHAM			72.2				
30–250RWAC	64 (2.50)	72.1	3/4	3–1/2	4.55		
30–250RWAM		72.2					

The bottom anchored pump Specification and Parameters

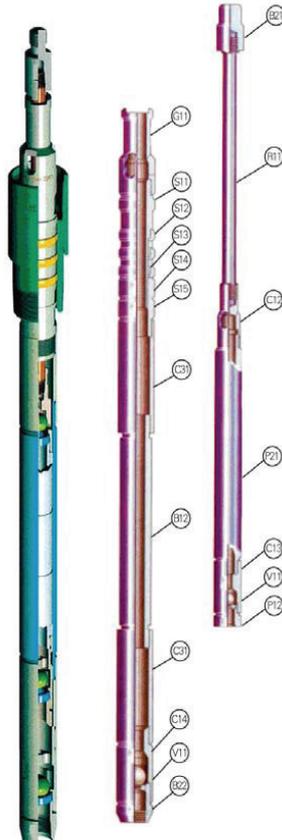
Specification	Nominal Bore mm(in)	Plunger Length m(ft)	Max. O.D. mm	Rod in	Tubing in	Pump Constant m ³ /d	Stroke m
20(25)–112RHBC	28 (1.12)	1.2–1.8 (4–6)	47.5	3/4	2–3/8 2–7/8	0.92	≤7.5
20(25)–112RHBM			44.7				
20(25)–125RHBC	32 (1.25)		47.5	3/4	2–3/8 (2–7/8)	1.14	
20(25)–125RHBM			44.7				
25–150RHBC	38 (1.50)		59.4	3/4	2–7/8	1.64	
25–150RHBM			57.4				
25–175RHBC	44 (1.75)		59.5	3/4	2–7/8	2.24	
25–175RHBM			57.4				
25–200RWBC	51 (2.00)		59.4	3/4	2–7/8	2.91	
25–200RWBM			57.4				
30–225RHBC	57 (2.25)		72.1	3/4	3–1/2	3.69	
30–225RHBM			70.1				
30–250RWBC	64 (2.50)	72.1	3/4	3–1/2	4.55		
30–250RWBM		70.1					

The traveling barrel pump Specification and Parameters

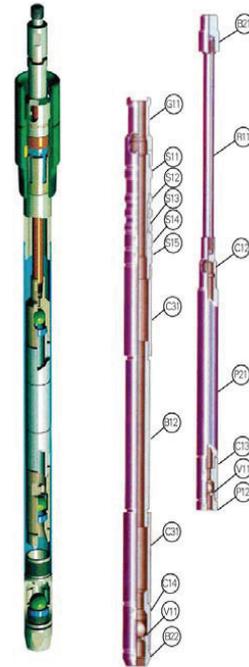
Specification	Nominal Boremm(in)	Plunger Length m(ft)	Max. O.D. mm	Rod in	Tubing in	Pump Constant m ³ /d	Stroke m
20(25)-125RHTC	32 (1.25)	1.2-1.8 (4-6)	47.5	3/4	2-3/8(2-7/8)	1.14	≤7.5
20(25)-125RHTM			44.7				
25-150RHTC	38 (1.50)		59.4	3/4	2-7/8	1.64	
25-150RHTM			57.4				
25-175RHTC	44 (1.75)		59.4	3/4	2-7/8	2.24	
25-175RHTM			57.4				
30-225RHTC	57 (2.25)		72.1	3/4	3-1/2	3.69	
30-225RHTM			70.1				



RHBC 底部固定有杆泵结构图



RHAC顶部固定杆式泵结构图



RWAM 杆式泵结构图