

RHA (Mercury) Precision Rod Pump

Pump Assemblies

Item	Description	No. Req'd	Bore Size	
			2-3/8" x 1-1/16"(1)	2-3/8" x 1-1/4"(2)
Barrel Assembly				
A	Bushing, Hold-Down-Top	1	BH103	BH103
B	Coupling, Extension	1		
	0" Ext.		EN211	EN211
	6" Ext.		EN212	EN212
C	Barrel, Heavy Wall RH	1		
	Steel, Plain 4'		BT0104	BT0404
	Steel, CPID 4'		BT0104C	BT0404C
D	Bushing, Barrel	1	BB2	BB2
E	Barrel, Ext. (Jacket)	1		
	Steel, Plain 16'		BT0516	BT0516
F	Cage, Closed Barrel	1	CF42	CF42
G	Valve, Ball and Seat	1	Ball	Seat
	Alloy		B072	S042
	Titanium		B073	S043
	Nickel Carbide		B075	S045
H	Bushing, Seat, Barrel Cage	1	BS2-3	BS2-3
Plunger Assembly				
I	Cage, Top Open	1		
	3/4" Pin		CF44-1	CF44-1
J	Valve, Ball and Seat	1	Ball	Seat
	Alloy		B072	S042
	Titanium		B073	S043
	Nickel Carbide		B075	S045
K	Bushing, Cage- Plgr.	1	BC3	BC3
L	Plunger	1		
	Mercury 20'		P1620	P2620
M	Cage, Closed Plunger	1	CF11	CF21
N	Valve, Ball and Seat	1	Ball	Seat
	Alloy		B012	S012
	Titanium		B013	S013
	Nickel Carbide		B015	S015
O	Plug, Seat (External)	1	PS11	PS21
Hold-Down Assembly				
P	Guide, Hollow- Plgr.	1		GT15 (special)
Q	Mandrel, Seating	1		HM22 (special)
R	Cup, Seating	3		SC064-0
S	Ring, Seating Cup	2		HS42 (special)
T	Nut, Seating Cup	1		HL42 (special)

The Mercury pump is a traveling-plunger-type pump arranged to prevent sand or foreign material from settling on top or around the plunger and sticking it in the barrel. The Mercury pump has a long smooth plunger that extends through a relatively short stroke through barrel. Due to the length of the plunger, the ends do not enter the barrel section at either the top or the bottom of the stroke. The plunger is wiped clean on each stroke, and foreign material (trapped sand, etc.) is not carried into the barrel. When the pump is shut down, the traveling valve on top of the pump closes and prevents sand in the tubing string from settling inside the pump. A (Don-Nan) pump technician will size the correct "Mercury" pump for you.

