

Skinner Brothers Company Inc.



**Unlimited
Petroleum
Consulting**

Your Artificial Lift Experts

Engineering Services
Consulting
Software
Training
Oil Well Equipment

upcoglobal.com

STUFFING BOXES

All Skinner "X" boxes use long life Skinner "B" packing. The packing and bronze bushings are the only parts necessary for changes in rod size. Threads are lathe cut to lie parallel and concentric with the bore of the box. SBC "X" boxes are available rod sizes 1-1/8" thru 1-3/4".



Type "X" Single – Fig. 1

For use on wells not requiring secondary packing. The "X" Single may be used with a blowout preventer when changing packing under pressure. Available with 2", 2-1/2" and 3" lower connections; weight approximately 60 lbs. Height above tee, 11".



Type "X" Cross Twin – Fig. 5

For use on wells where pressure conditions require double packing against the polish rod to prevent leakage or where packing must be replaced while under pressure. Available with 2", 2-1/2" and 3" lower connections. Weight approximately 90 lbs. Height above tee, 14-1/4".



SBC Blowout Preventer – Fig. 102

The SBC Blowout Preventer is made of ASTM A216 construction cast steel, grade WCB normalized. Easily changed, the retractable rubber-bonded-to-steel rams seat firmly against the polish rod. Available in tubing sizes of 2", 2-1/2" and 3" to accommodate 5/8" through 1-3/4" polish rods. Male and female connections. Weight, 42 lbs. Height, 9". Test pressure, 3000 PSI.

CONE TYPE BOXES



Fig. 700

Single Pack

For use on wells not requiring secondary packing. Available in 2", 2-1/2" and 3" tubing sizes to accommodate polish rods of 1" through 1-3/4". Upper and lower glands are self-aligning and upper cone polishing ring standard. Weight, 26 lbs. Height above tee, 12". Working pressure, 1500 PSI.



Fig. 800

Dual Pack

Excellent for intermittent flow conditions, the dual pack provides double packing to prevent leakage and will permit packing change under pressure. Available in 2", 2-1/2" and 3" tubing sizes to accommodate polish rods of 1" through 1-3/4". Upper and lower glands are self-aligning and an upper cone polishing ring standard. Weight, 65 lbs. Height above tee, 15". Working pressure, 1500 PSI.



Fig. 900

Tee Base

Designed to eliminate the need for a pumping tee on the well, this single pack SBC box is available in 2", 2-1/2" and 3" tubing sizes to accommodate polish rods of 1" through 1-3/4". Upper and lower glands are self-aligning and an upper cone polishing ring standard. Female outlets of the tee offered in 2" through 3" thread sizes. Weight, 45 lbs. Height, 15". Working pressure, 1500 PSI.



Fig. 400

Oil Reservoir Upper Gland

Ideal for wells that tend to burn packing by "running hot." As the polish rod moves through the oil it is both lubricated and cooled. A split cone ring controls the film on the upstroke; returns oil to the reservoir on the downstroke. Fits all SBC Cone Type Stuffing Boxes.



JACK TYPE BOXES



Fig. 7



Fig. 8



Fig. 108



Fig. 108A

Regular Top

Designed for use on any size polish rod up to 1-3/4". Changing to a different size polish rod is easily achieved by simply changing the upper and lower split bronze bushings and packing. Lower connections in 2", 2-1/2" and 3". Height above tee, 7". Weight, 15 lbs. Working pressure 2500 PSI.

Lubricating Top

Adding to the advantages of the SBC Regular Top Jack Box, the SBC Lubricating Top provides constant lubrication of the packing in the event of a pump off. Material construction is malleable iron with upper and lower split bronze followers for ease of replacement. Height above tee, 12-1/4". Weight, 24 lbs.

Tee Type Regular Top

As shown, SBC Jack Boxes are also available in a tee configuration eliminating the need for a pumping tee on the well. End connections available in male or female with Regular or Lubricating tops. Height above coupling varies from 10-3/4" to 15" and weight from 16 to 28 lbs. Working pressure, 3000 PSI.

RUBBER PRODUCTS



Crown Rings



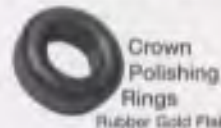
Cone Packing



Single Pipe Wipers



Stuffing Box
Rubber Type "B"



Crown
Polishing
Rings
Rubber Gold Flake



Ratigan Packing

SBC offers a wide range of rubber and elastomer packings and products to accommodate virtually any well condition. Materials include Super-Econ, Hi-Temp, Gold Flake (brass impregnated), Loco (Teflon impregnated), rubber graphite and nitrile.

PUMPING & FLOW TEES



"Yellow" Malleable Iron



"Red" Ductile Iron

SBC Tees are available in three basic materials, Malleable designated as "Yellow", Ductile, designated as "Red", and Aluminum "Bronze". Sizes range from 2" to 3"; slim hole from 1-1/2" to 2". Male or female type may be specified in any material. Every SBC tee is precision machined to assure proper center alignment of tubing, stuffing box, outlet and bleeder hole.

CAST IRON TUBING DISCS



Fig. 67

SBC Cast Tubing Discs have a groove cut to facilitate clean breaking. Any thread can be furnished.

PIPE REPAIR CLAMPS



Fig. 90
Service Saddles.
WP of 2500 PSIG for pipe
1" thru 4" with outlet pipe
size from 1/8" thru 2".



Fig. 91
Nickel-Chrome
band. Pipe sizes
1/2" to 8"; clamp
lengths 3", 6", 9", 12".



Fig. 92
Nickel-Chrome
band. Pipe sizes
10" thru 24"; clamp lengths
3", 6", 9", 12".

PIPE REPAIR CLAMPS *cont.*



Fig. 94
Emergency Clamp.

Malleable. Pipe sizes 1/2", to 6"; clamp lengths 3 1/4" to 8".



Fig. 95
Emergency Clamp.

Malleable. Pipe Sizes from 2" to 8"; clamp lengths, 12" and 16".



Fig. 150
Collar leak Clamp
Nickel-Chrome Band.

Pipe Sizes 1 1/2" to 6"; clamp lengths 3" to 6".



Fig. 89
Collar leak Clamp.

API Line Pipe sizes from 2" to 6", API non Upset and Upset Tubing in 2" and 2-1/2".

SLEEVE COUPLINGS



038R Steel Sleeve
couplings for pipe 1" thru 12".



040G
Fiberglass Sleeve
couplings for pipe 2" thru 8"



038C Plastic
Coated Steel Sleeve
couplings for pipe 1" thru 12"



040R Steel Sleeve
couplings for pipe 1" thru 12"

SBC Sleeve Couplings provide positive seal, correct misalignment and absorb vibration. Nitrile gaskets and Track head bolts with rolled threads are standard.

CROWN WOBLERS

LUBRICATED PLUG VALVES



Fig. 24
With Pumping Tee Base
Height above tubing 5 3/4"



Fig. 22
Height above Nipple 5 1/4"

SBC Wobblers can be used with any make stuffing box, and are designed to allow for mis-alignment of the pumping unit from the well head to give flexibility on short out-of-line horse head. Working pressure, 1500 P.S.I. Furnished with female connections, please specify size and thread required for both the top and the bottom connections.



Threaded

FIG. NO.	STYLE	HEIGHT	LENGTH	HEIGHT
PLV1	Threaded	3 1/2"	6 1/2"	6 1/2"
PLV2	Threaded	15 1/2"	11"	12 1/4"
PLV3	Threaded	33"	1 1/2"	11 1/2"
PLV4	Threaded	44 3/4"	21"	12"



Flanged

FIG. NO.	STYLE	HEIGHT	LENGTH	HEIGHT
PLV5	Flanged	14 3/4"	8"	8"
PLV6	Flanged	22 3/4"	9 3/4"	11 1/2"
PLV7	Flanged	27 1/4"	11"	12"

FIG. NO.	STYLE	HEIGHT	LENGTH	HEIGHT
PLV8	Flanged	31 3/4"	9 1/2"	9 1/2"
PLV9	Flanged	40 1/4"	8"	11 3/4"
PLV10	Flanged	48"	9 1/2"	12 1/2"



Grooved

SBC lubricated valves are cast of high tensile strength gray iron and are suitable for oil, gas, and water installations. They are not recommended for temperatures above 200° F or 93°C. 175# working pressure.

POLISHED ROD OILER / POLISHED ROD CLAMPS



The Skinner Polished Rod Oiler is a simple, low cost clamshell type device that bolts to the top of the stuffing box. The interior of the oiler is fitted with a wicking material that quickly becomes saturated with well and reservoir

fluids during the pumping process. It is through this saturated wick that the polished rod passes, receiving a continuous film of lubrications that prevents binding and scouring while drastically reducing wear on the packing of the stuffing box.

The Skinner Oiler fits all standard stuffing boxes. The interior lube-wick is sized to fit the polished rod being used (1"-1 3/4"). Following extended use, it is a simple matter to replace the wick in the field.

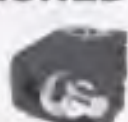


Fig. PRC-25



Fig. PRC-40



Fig. PRC-105



Fig. PRC-100



Fig. PRC-101

All Skinner Clamps are forged from high-grade, heat treated steel. Bolts are cadmium plated, heat treated steel. Washers are through-hardened and cadmium plated. Hinge pins are 4140 heat treated steel.

The clamping surface of each Skinner clamp is bored and reamed to the exact size of the polished rod. Additionally, both ends are machine-squared with the hole to prevent eccentric loading if the hanger bar is flat. The Skinner clamp exerts a 2:1 mechanical advantage in the ratio of distance from the center of the rod to the center of the bolt and from the center of the rod to the center of the pin. Contact areas are spaced to give maximum clamping effect.



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