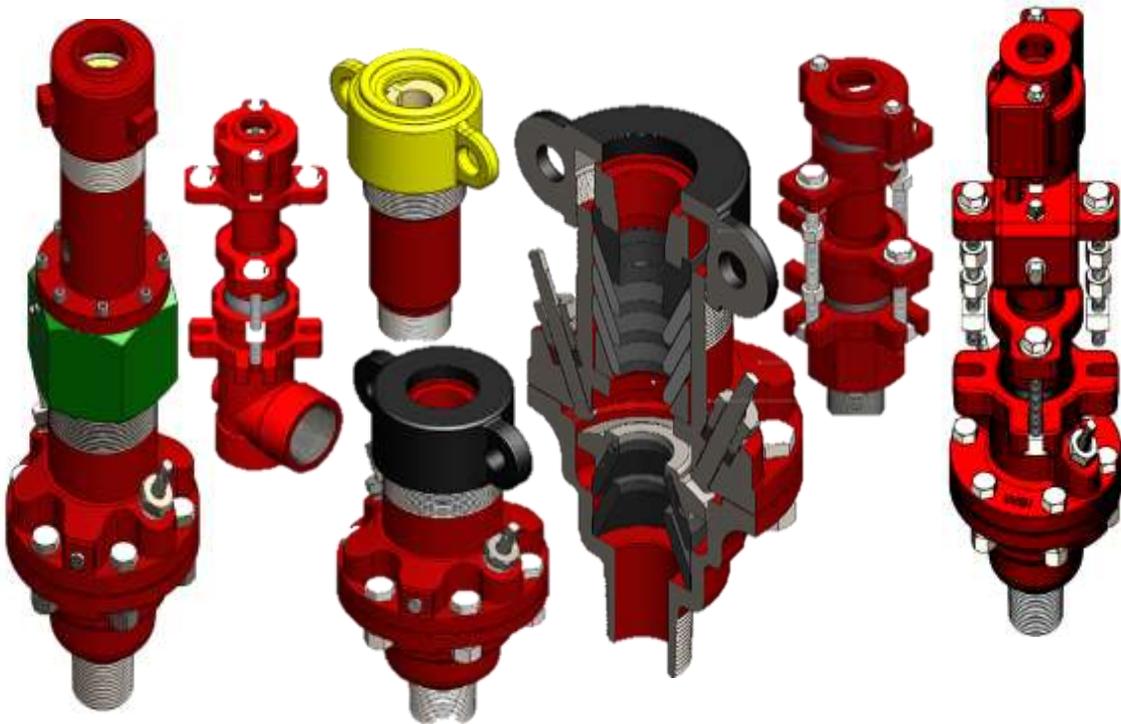




## WSI Difference

Wellheads Systems Incorporated (WSI) products have been recognized over decades, for unmatched quality, design and superior customer support and service throughout the globe. WSI was the first in the industry to come out with a complete 3000 PSI artificial lift hookup for the oil and gas industry and continued meeting customer demands by offering enhancements and add-ons to existing products in an effort to help customers increase productivity and decrease overall operating costs. Today, WSI conducts business throughout North America and many international markets spanning the world. While WSI has experienced a significant growth trend, our commitment to the customer's success through our products drives everything that we do. Thank you to our customers!



## WSI Quality Features

- Largest Product Line in Industry
- Patented Designs
- Special "One-Off" Designs
- Superior Field Service and Training
- Years of Proven Experience
- NACE Options
- Largest Selection of Accessories
- Corrosion Resistant Materials & Coatings
- Environmental Systems
- Parts Interchangeability between models

"Make Your Connection with  
**WSI**"



**Table of Contents**

<u><b>Description</b></u>	<u><b>Page</b></u>
“Premier” Stuffing Boxes	
BS, BST, BSDP.....	4
“High Performance” Stuffing Boxes	
HP(5K), PCDP, BSDP(3K) .....	5
“Classic” Stuffing Boxes	
SB, SBT, DPSB.....	6
IVSB, IVSBT, IVDPSB.....	7
“Economy” Stuffing Boxes	
Jack Box (JB), Wheel Type (WSB).....	8
Stuffing Box Accessories	
Upper Glands .....	9
Environmental Containment .....	10
Stuffing Box Packing	
Cone & “V” Style Packing .....	11
Blow-Out Preventers	
Model 150, Model 300 & Model 312 .....	12
Model 500F & Model 500T .....	13
Polished Rod Accessories	
Polished Rod Clamps .....	14
Rod Rotators .....	15
Polished Rod Lubricator & Leveling Plate .....	16
Wellhead Systems Incorporated	
Terms and Conditions .....	17



**BS, BST, BSDP**



**BS Stuffing Box (BS)**

- Easy to adjust threaded cap – NO BOLTS (great in high salt water cut area's)
- Low profile design, ideal for short stroke pumping units
- Reduces costly packing maintenance time
- Even adjustment of packing every time!
- Convenient protection of packing when stacking out rods

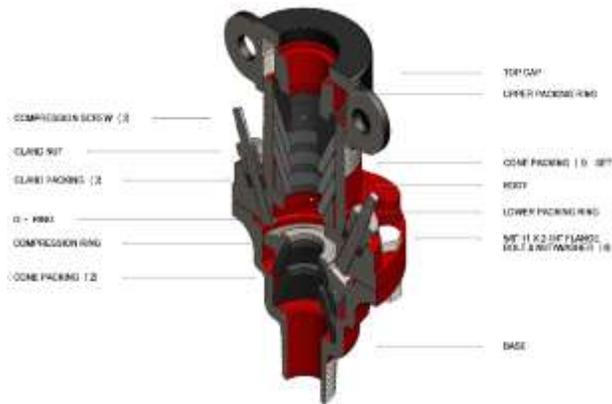
**BST Stuffing Box (BST)**

- Easy to adjust threaded cap – NO BOLTS (great in high salt water cut area's)
- Eliminates one connection
- Low profile design, ideal for short stroke pumping units
- Standard brass inverter ring reduces polished rod scaring
- Even adjustment of packing every time!

**BSDP Stuffing Box (BSDP)**

- Easy to adjust threaded cap – NO BOLTS (great in high salt water cut area's)
- Oil Field Grade rugged box, built for performance under tough conditions
- Lower profile compared to "Classic" model double packed stuffing box
- Primary packing can be changed under pressure by engaging compression bolts
- Two ¼" NPT ports (180° apart) for grease zerk & pressure gauge

SPECIFICATIONS	BS	BST	BSDP
<b>Working Pressure</b>	1500 PSI	1500 PSI	1500 PSI
<b>BTM Thread (API tubing or LP)</b>	2", 2-1/2", 3"	2-3/8" & 2-7/8"	2", 2-1/2", 3"
<b>Bottom Connection</b>	Male	Female	Male
<b>Weight</b>			
• 2"	20 lbs.	24 lbs.	45 lbs.
• 2-1/2"	21 lbs.	25 lbs.	45 lbs.
• 3"	21 lbs.	26 lbs.	46 lbs.
<b>Height</b>	9-3/4"	11"	15"
<b>Material</b>	Ductile Iron*		
<b>Split cone packing rod sizes</b>	1", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-1/2", 1-3/4"		
<b>Pieces Required:</b>			
• Top Cones	4	4	5
• Bottom Cones	1	1	1



**DOUBLE PACKED STUFFING BOX "BS" BODY ASSEMBLY**

\* Corrosion-resistant coatings available, contact customer service



**HP (5K), PCDP, BSDP(3K)**



**High Pressure Stuffing Box (HP) 5000 PSI WP**

- 100% pressure tested from factory
- 5K dual packed self contained, low profile durable unit
- All steel construction eliminates concerns with porosity
- Suitable for H2S environments – all materials conform to NACE-MR-01-75 (good to -50°F)
- “V” Style primary packing
- Upper packing can be replaced under pressure



**Pollution Control Double Packed Stuffing Box (PCDP) 1500 PSI WP**

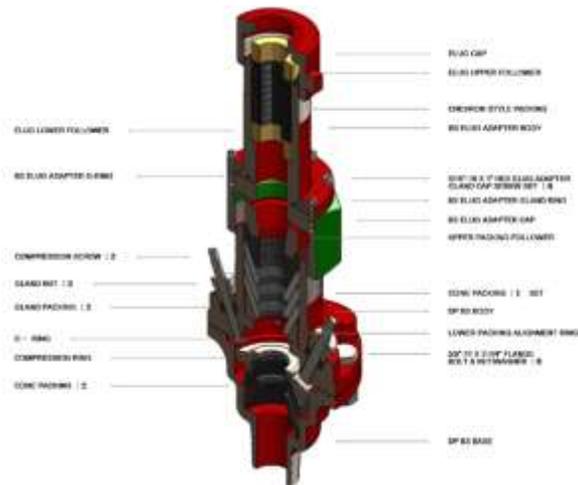
- If polished rod breaks, flapper closes automatically
- Two independently adjustable packing chambers
- Pollution Control Adapter acceptable to -50°F
- Meets NACE MR-01-75
- Base has ½” NPT test port
- Packing can be changed under pressure



**BSDP Stuffing Box (BSDP) 3000 PSI WP**

- 100% pressure tested from factory
- Meets NACE MR-01-75
- High pressure service
- Easy to adjust threaded cap – NO BOLTS
- Oil Field Grade rugged box, built for performance under tough conditions
- Primary packing can be changed under pressure by engaging compression bolts
- Two ¼” NPT ports (180° apart) for grease zerk & pressure gauge

SPECIFICATIONS	HP	PCDP	BSDP
Working Pressure	5000 PSI	1500 PSI	3000 PSI
BTM Thread (API tubing or LP)	2-3/8", 2-7/8", 3-1/2"	2", 2-1/2", 3"	2", 2-1/2", 3"
Bottom Connection	Male	Male	Male
Height	10-1/2"	24-1/2"	15"
Split cone packing rod sizes	1-1/4" & 1-1/2"	1" to 1-3/4"	1" to 1-3/4"
Pieces Required:			
• Top Cones	8	5	5
• Bottom Cones	1	1	1
V Style Packing			
• Packing O.D.	2-1/4"	2-1/2"	N/A
• Stack Height	3"	3"	N/A



**DOUBLE PACKED STUFFING BOX "BS" ASSEMBLY WITH ELUG**

\* Corrosion-resistant coatings available, contact customer service

**"Make Your Connection with WSI"**



**SB, SBT & DPSB**



**Regular Stuffing Box (SB)**

- Standard design
- Proven dependable performance
- Grease zerk
- Optional Oil Reservoir Gland (ORG) or Environmental Lube Upper Gland (ELUG™)
- Distinctive misaligning feature reducing need for exact pumping unit alignment



**Tee Base Stuffing Box (SBT)**

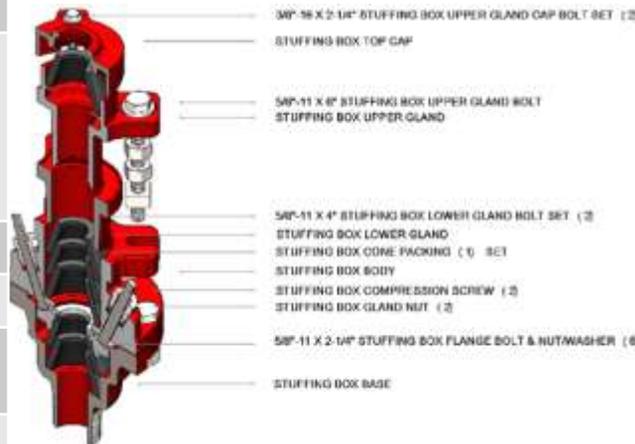
- Combines stuffing box and pumping tee w/ 1" bleeder
- Eliminates one connection
- Side outlets:
  - 2" LP w/ 2" BTM connection
  - 3" LP w/ 2-1/2" or 3" BTM connection
- Grease zerk
- Optional Oil Reservoir Gland (ORG) or Environmental Lube Upper Gland (ELUG™)



**Double Packed Stuffing Box (DPSB)**

- Most popular stuffing box in the industry
- Primary packing can be changed under pressure by engaging compression bolts
- Grease zerk
- Distinctive misaligning feature reducing need for exact pumping unit alignment
- Optional Oil Reservoir Gland (ORG) or Environmental Lube Upper Gland (ELUG™)
- Proven dependable performance

SPECIFICATIONS	SB	SBT	DPSB
Working Pressure	1500 PSI	1500 PSI	1500 PSI
BTM Thread (API tubing or LP)	2", 2-1/2", 3"	2", 2-1/2", 3"	2", 2-1/2", 3", 4"
Bottom Connection	Male	Female	Male
Weight			
• 2"	24 lbs.	33 lbs.	50 lbs.
• 2-1/2"	25 lbs.	37 lbs.	51 lbs.
• 3"	26 lbs.	42 lbs.	52 lbs.
• 4"	N/A	N/A	56 lbs.
Height	13-1/2"	16"	17"
Material	Ductile Iron*		
Split cone packing rod sizes	1", 1-1/8", 1-1/4", 1-5/16", 1-3/8" 1-1/2", 1-3/4"		
Pieces Required:			
• Top Cones	4	4	6
• Bottom Cones	1	1	1



**DOUBLE PACKED STUFFING BOX**

\* Corrosion-resistant coatings available, contact customer service



## IVSB, IVSBT & IVDPSB



### Inverted Stuffing Box (IVSB)

- Lowest profile design
- Ideal for smaller pumping units with minimum stroke length
- Inverted cone packing provides additional surface contact and wear characteristics



### Inverted Tee Base Stuffing Box (IVSBT)

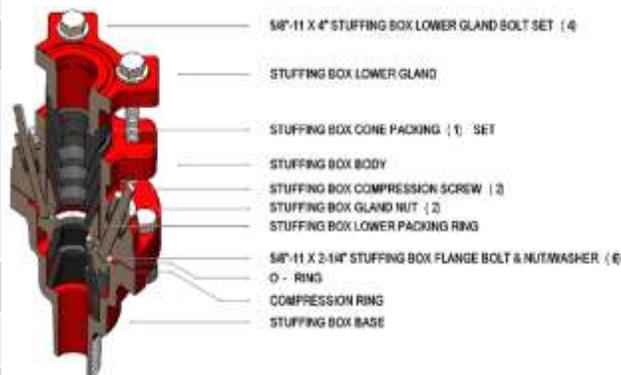
- Combines IVSB and pumping tee with 1" bleeder
- Eliminates one connection
- Lower profile than Classic models
- Side outlets:
  - 2" LP w/ 2" BTM connection
  - 3" LP w/ 2-1/2" or 3" BTM connection



### Inverted Double Packed Stuffing Box (DPSB)

- Rugged built for performance under tough oilfield conditions
- Primary packing can be changed under pressure by engaging compression bolts
- Lower profile than Classic model
- Proven dependable performance

SPECIFICATIONS	IVSB	IVSBT	IVDPSB
Working Pressure	1500 PSI	1500 PSI	1500 PSI
BTM Thread (API tubing or LP)	2", 2-1/2", 3"	2", 2-1/2", 3"	2", 2-1/2", 3", 4"
Bottom Connection	Male	Female	Male
Weight			
• 2"	19 lbs.	28 lbs.	45 lbs.
• 2-1/2"	20 lbs.	32 lbs.	46 lbs.
• 3"	21 lbs.	38 lbs.	47 lbs.
• 4"	24 lbs.	N/A	51 lbs.
Height	10"	12"	14"
Material	Ductile Iron*		
Split cone packing rod sizes	1", 1-1/8", 1-1/4", 1-5/16", 1-3/8" 1-1/2", 1-3/4"		
Pieces Required:			
• Top Cones	3	3	5
• Bottom Cones	1	1	1



**INVERTED DOUBLE PACKED STUFFING BOX**

\* Corrosion-resistant coatings available, contact customer service

## Jack Box & Wheel Style



### Jack Box Stuffing Box (JB)

- Economy stuffing box
- Easy to adjust threaded cap – NO BOLTS (great in high salt water cut area's)
- Low profile design, ideal for short stroke pumping units
- Reduces costly packing maintenance time
- Even adjustment of packing every time!



### Wheel Style Stuffing Box (WSB)

- Economy stuffing box
- Easy to adjust threaded cap – NO BOLTS (great in high salt water cut area's)
- Integral pumping tee
- Reduced connections
- Low profile design, ideal for short stroke pumping units
- Reduces costly packing maintenance time
- Even adjustment of packing every time!

SPECIFICATIONS	JB	WSB
Working Pressure	2500 PSI	2500 PSI
BTM Thread (API tubing or LP)	2", 2-1/2", 3"	2-3/8" & 2-7/8"
Bottom Connection	Male	Female
Height	7-1/2"	9-1/2"
Material	Ductile Iron*	
Crown ring packing rod sizes	1" to 1-1/2"	
Crown rings required:	5	3



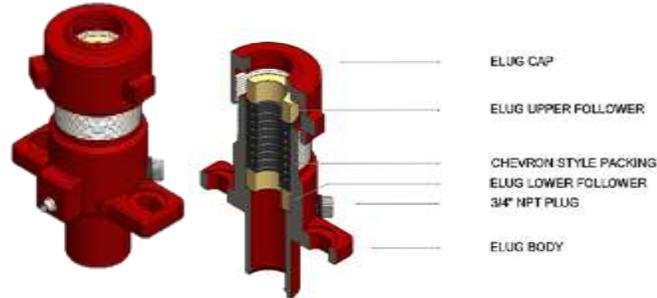
\* Corrosion-resistant coatings available, contact customer service



## Upper Glands

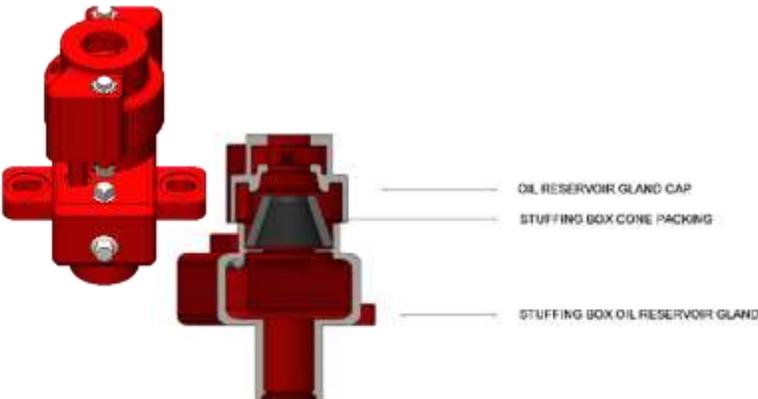
### Environmental Lube Upper Gland (E-LUG™)

- Best design for leak detection glands
- Provides secondary seal for stuffing box
- Fits any WSI “classic” or “premier” style stuffing box (Design for “Premier” style different than picture shown)
- Uses V style packing
- Utilizes Environmental Control Shut-down Switch unit (ECSS™)
- Rod Sizes: 1” – 1-3/4”
- Body & cap: ductile iron
- Upper/lower packing rings: Bronze/split standard



### BS Environmental Lube Upper Gland (BSE-LUG™)

- Designed for “BS” stuffing boxes only
- Best design for leak detection glands
- Provides secondary seal for stuffing box



### Standard Oil Reservoir Gland (S-ORG™)

- Option for wells that pump or flow off.
- One quart reservoir capacity
- Utilizes Environmental Control Shut-down Switch unit (ECSS™)
- Top split cone wiper controls oil film on polished rod.
- Rod sizes: 1” – 1-3/4”
- Material: ductile iron
- Fits any WSI “classic” style stuffing box

### Environmental Control Shut-down Switch (ECSS™)

- Meets NEC Class 1, Div. 1 requirements
- Standard and Explosion proof options
- Works with electric and gas power sources
- Corrosion resistant components
- Long travel float
- Both “Normally Open” and “Closed” contacts
- Utilized with S-ORG™ and E-LUG™

