




WNS LOWERY™

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# Lowery Wellheads

Lowery Wellheads was established in 1979 in Tulsa, Oklahoma by the Lowery family. Over the past 40 years the company grew to be a significant regional supplier of tubing heads, casing heads, stuffing boxes, tees, flanges, and associated products for the oil & gas industry. Lowery is known for its high-quality products, made primarily with American materials and labor, using precision in-house CNC machining centers. Lowery Wellheads are ISO 9001 8:3 registered and our quality system meets API Q1 certifications.

# Whittle Neher Systems

Whittle & Neher Systems, founded in 1984 in Oklahoma City, OK, is a leading manufacturer of high quality stainless steel, carbon steel, and ductile iron check valves for oilfield, industrial, and special applications. We also manufacture a full line of high quality stuffing boxes, pumping and flowing tees, and cone type packing for the oil industry. Our company is commited to producing excellent products that meet the needs and expectations of our customers at a cost that represents value.

# WNS Lowery

In 2018, Whittle & Neher Systems acquired Lowery Well Heads, Inc. to dramatically expand its oilfield product lines and market reach. Whittle & Neher was best known for its diverse check valve product line for oilfield, industrial, and special applications.  The synergistic combinations of Whittle & Neher and Lowery Wellheads created WNS Lowery. WNS Lowery offers a broad single-source product line with quality and value pricing.

WNS Lowery is part of the Marsh Bellofram Group of Companies. Marsh Bellofram is a diversified industrial manufacturer with operations in the United States, United Kingdom, China, and India. Marsh Bellofram provides WNS Lowery with management expertise, growth capital, engineering & manufacturing support, sourcing services, and administrative functions.



# Wellheads

## Wellhead Color Code

Green ..... Larkin
Red ..... Huber
Blue ..... Hinderlighter

100% Interchangeable

# TYPE L-K TUBING HEAD

## 1,500 PSI Working Pressure

### L-SK TUBING HEAD WITH STRIPPER RUBBER

- 1,500 PSI working pressure
- Adapter with O-Ring: 25.4 Lbs
- Stripper Rubber available for all sizes
- Stripper Rubbers are not designed to withstand full pressure rating.

### FEATURES:

- Seamless steel Body
- Full opening bore on all sizes
- Hinged Slips with Snap Ring
- Stripper Rubber available
- Male or Female bottom connections available




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore | Full | Full | Full |
| Suspended String (Inches) | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞ |
| Max Slip Load Rating (lbs) | 65,000 | 65,000 | 65,000 |
| Cap Thread (Inches) | 7 ⅝ 8RD API MOD | 7 ⅝ 8RD API MOD | 7 ⅝ 8RD API MOD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 12 | 12 | 12 |
| Weight (lbs) | 86 | 85 | 92 |
| Packing Rubber OD | 6.845 | 6.845 | 6.845 |

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| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-K Tubing Head | 30710 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| 2 ⅜" | 30715 | 1 |
| 2 ⅞" | 30716 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Packing Rubber 6.845 OD | | |
| 2 ⅜" | 30722 | 1 |
| 2 ⅞" | 30723 | 1 |



| BOTTOM PLATE [D] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Bottom Plate | | |
| 2 ⅜" | 30729 | 1 |
| 2 ⅞" | 30730 | 1 |



| SLIP ASSEMBLY AND SNAP RING [E] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Slip | | |
| 2 ⅜" | 30153410 | 1 |
| 2 ⅞" | 30153411 | 1 |



| SLIP BOWL [F] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Slip Bowl | 30733 | 1 |



| ADAPTER [G] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Stripper Rubber Adapter with O-Ring | 30154502 | 1 |
| O-Ring | 30744 | 1 |



| STRIPPER RUBBER [H] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| 1 ½" | 30747 | 1 |
| 2 ⅛" | 30747 | 1 |
| 2 ⅜" | 30748 | 1 |
| 2 ⅞" | 30749 | 1 |




| BODY [I] | | |
|---|---|---|
| L-K Tubing Head | Part Number | QTY |
| Body | | |
| 4 ½" 8RD Male | 30150007 | 1 |
| 4 ½" 8RD Female | 30150262 | 1 |
| 5 ½" 8RD Male | 30150008 | 1 |
| 5 ½" 8RD Female | 30150263 | 1 |
| 7" 8RD Male | 30150009 | 1 |
| 7" 8RD Female | 30150264 | 1 |
| 7" Slip Joint | 30150500 | 1 |

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# TYPE L-R TUBING HEAD

## 2,000 PSI Working Pressure

### L-SR TUBING HEAD WITH STRIPPER RUBBER

- 2,000 PSI working pressure
- Adapter with O-Ring: 47 lbs
- Stripper rubbers available for: 1 ½, 2 1/16, 2 3/8, 2 7/8
- Stripper Rubbers are not designed to withstand full pressure rating

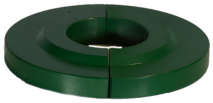
### FEATURES:

- Seamless steel Body
- Full opening bore on all sizes
- Hinged Slips with Snap Ring
- Stripper Rubber available
- 8 5/8 8RD API Modified top body thread
- 3,000 PSI Model Available
- Male or Female bottom connection available




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore | Full | Full | Full |
| Suspended String (Inches) | 1 ½, 2 1/16, 2 3/8, 2 7/8 | 1 ½, 2 1/16, 2 3/8, 2 7/8, 3 ½ | 1 ½, 2 1/16, 2 3/8, 2 7/8, 3 ½ |
| Max Slip Load Rating (lbs) | 85,000 | 85,000 | 85,000 |
| Cap Thread (Inches) | 8 5/8 8RD API MOD | 8 5/8 8RD API MOD | 8 5/8 8RD API MOD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 13 | 13 | 13 |
| Weight (lbs) | 151 | 148 | 150 |
| Packing Rubber OD | 7 ¼ | 7 ¼ | 7 ¼ |







| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-R Tubing Head | 30760 | 1 |

| TOP PLATE [B] | | |
|---|---|---|
| L-R Tubing Head | Part Number | QTY |
| 1 ½" | 30763 | 1 |
| 2 1/16" | 30764 | 1 |
| 2 3/8" | 30765 | 1 |
| 2 7/8" | 30766 | 1 |
| 3 ½" | 301915 | 1 |
| 2 3/8" (3000 psi L-R-3) | 301070 | 1 |
| 2 7/8" (3000 psi L-R-3) | 301299 | 1 |
| 3 ½" (3000 psi L-R-3) | 301985 | 1 |

| PACKING RUBBER [C] | | |
|---|---|---|
| L-R Tubing Head | Part Number | QTY |
| 1 ½" | 30771 | 1 |
| 2 1/16" | 30152822 | 2 |
| 2 3/8" | 30773 | 1 |
| 2 7/8" | 30774 | 1 |
| 3 ½" | 30152829 | 2 |

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## BOTTOM PLATE [D]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| 1 ½" | 30779 | 1 |
| 2 1/16" | 30780 | 1 |
| 2 3/8" | 30781 | 1 |
| 2 7/8" | 30782 | 1 |
| 3 ½" | 301916 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD | | |
| 1 ½" | 30153443 | 1 |
| 2 1/16" | 30153444 | 1 |
| 2 3/8" | 30153445 | 1 |
| 2 7/8" | 30153446 | 1 |
| 5 ½" 8RD | | |
| 1 ½" | 30153443 | 1 |
| 2 1/16" | 30153444 | 1 |
| 2 3/8" | 30153445 | 1 |
| 2 7/8" | 30153446 | 1 |
| 3 ½" | 30153447 | 1 |
| 7" 8RD | | |
| 1 ½" | 30153443 | 1 |
| 2 1/16" | 30153444 | 1 |
| 2 3/8" | 30153445 | 1 |
| 2 7/8" | 30153446 | 1 |
| 3 ½" | 30153447 | 1 |



## SLIP BOWL [F]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| L-R Tubing Head | 30786 | 1 |



## ADAPTER [G]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber Adapter with O-Ring | 30154509 | 1 |
| O Ring | 3052 | 1 |



## STRIPPER RUBBER [H]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD | | |
| 1 ½" | 30803 | 1 |
| 2 1/16" | 30803 | 1 |
| 2 3/8" | 30804 | 1 |
| 2 7/8" | 30805 | 1 |
| 5 ½" 8RD | | |
| 1 ½" | 30803 | 1 |
| 2 1/16" | 30803 | 1 |
| 2 3/8" | 30804 | 1 |
| 2 7/8" | 30805 | 1 |
| 7" 8 RD | | |
| 1 ½" | 30803 | 1 |
| 2 1/16" | 30803 | 1 |
| 2 3/8" | 30804 | 1 |
| 2 7/8" | 30805 | 1 |




## BODY [I]

| L-R Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Male | 30150039 | 1 |
| 4 ½" 8RD Female | 30150276 | 1 |
| 5 ½" 8RD Male | 30150040 | 1 |
| 5 ½" 8RD Female | 30150277 | 1 |
| 7" 8 RD Male | 30150041 | 1 |
| 7" 8 RD Female | 30150280 | 1 |

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# TYPE L-92 CASING HEAD

## 2,000 PSI Working Pressure

### FEATURES:

- Full opening bore on all sizes
- 10 ¾ 8RD API Modified top thread on 8 ⅝ body
- 11 ¾ 8RD API Modified top thread on 9 ⅝ body
- 16 8RD API Modified top thread on 13 ⅜ body
- Heavy Duty hinged Slip segments with locking hinge link.
- Male, Female, or Slip Joint bottom connection available




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 8 ⅝ 8RD | 9 ⅝ 8RD | 13 ⅜ 8RD |
| Bore | Full | Full | Full |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½, 7 | 8 ⅝ , 9 ⅝, 10 ¾ |
| Max Slip Load Rating (lbs) | 120,000 | 120,000 | 160,000 |
| Cap Thread (Inches) | 10 ¾ 8RD MOD | 11 ¾ 8RD MOD | 16 8RD MOD |
| Cap Material | Ductile Iron | Ductile Iron | Steel |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 12 ½ | 13 | 16 |
| Weight (lbs) | 180 | 230 | 450 |

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| TOP CAP [A] | PART NUMBER | QTY |
|---|---|---|
| L-92 Casing Head 7" | 301710 | 1 |
| L-92 Casing Head 8 ⅝" | 30990 | 1 |
| L-92 Casing Head 9 ⅝" | 301791 | 1 |
| L-92 Casing Head 13 ⅜" | 30820 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| **L-92 Casing Head 7"** | **Part Number** | **QTY** |
| 4 ½" | 301711 | 1 |
| **L-92 Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 30995 | 1 |
| 5 ½" | 30999 | 1 |
| **L-92 Casing Head 9 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 301792 | 1 |
| 5 ½" | 301793 | 1 |
| 7" | 301794 | 1 |
| **L-92 Casing Head 13 ⅜"** | **Part Number** | **QTY** |
| 8 ⅝" | 30821 | 1 |
| 9 ⅝" | 30825 | 1 |
| 10 ¾" | 30829 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| **L-92 Casing Head 7"** | **Part Number** | **QTY** |
| Packing Rubber 7 ½" OD | 30152832 | 2 |
| **L-92 Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| Packing Rubber 9 ¼" OD | | |
| 4 ½" | 30152814 | 2 |
| 5 ½" | 301000 | 1 |
| **L-92 Casing Head 9 ⅝"** | **Part Number** | **QTY** |
| Packing Rubber 10 ⅞" OD | | |
| 4 ½" | 301795 | 1 |
| 5 ½" | 301796 | 1 |
| 7" | 301797 | 1 |
| **L-92 Casing Head 13 ⅜"** | **Part Number** | **QTY** |
| Packing Rubber 14" OD | | |
| 8 ⅝" | 30152816 | 2 |
| 9 ⅝" | 30152817 | 2 |
| 10 ¾" | 30152820 | 2 |



| BOTTOM PLATE [D] | | |
|---|---|---|
| **L-92 Casing Head 7"** | **Part Number** | **QTY** |
| 4 ½" | 30369 | 1 |
| **L-92 Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 30997 | 1 |
| 5 ½" | 301001 | 1 |
| **L-92 Casing Head 9 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 301798 | 1 |
| 5 ½" | 301799 | 1 |
| 7" | 301800 | 1 |
| **L-92 Casing Head 13 ⅜"** | **Part Number** | **QTY** |
| 8 ⅝" | 30823 | 1 |
| 9 ⅝" | 30827 | 1 |
| 10 ¾" | 30831 | 1 |



| SLIP [E] | | |
|---|---|---|
| **L-92 Casing Head 7"** | **Part Number** | **QTY** |
| 7" 8 RD | | |
| 4 ½" | 30153488 | 1 |
| **L-92 Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 30153470 | 1 |
| 5 ½" | 30153471 | 1 |
| **L-92 Casing Head 9 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 30153491 | 1 |
| 5 ½" | 30153492 | 1 |
| 7" | 30153493 | 1 |
| **L-92 Casing Head 13 ⅜"** | **Part Number** | **QTY** |
| 8 ⅝" | 30153473 | 1 |
| 9 ⅝" | 30153474 | 1 |
| 10 ¾" | 30153475 | 1 |




| BODY [F] | | |
|---|---|---|
| **L-92 Casing Head 7"** | **Part Number** | **QTY** |
| 7" 8RD Male | 30150790 | 1 |
| **L-92 Casing Head 8⅝"** | **Part Number** | **QTY** |
| 8 ⅝" 8RD Male | 30150772 | 1 |
| 8 ⅝" 8RD Female | 30151021 | 1 |
| 8 ⅝" 8RD Slip Joint | 30151267 | 1 |
| **L-92 Casing Head 9 ⅝"** | **Part Number** | **QTY** |
| 9 ⅝" 8RD Male | 30150793 | 1 |
| 9 ⅝" 8RD Female | 30151044 | 1 |
| 9 ⅝" 8RD Slip Joint | 30151274 | 1 |
| **L-92 Casing Head 13 ⅜"** | **Part Number** | **QTY** |
| 13 ⅜" 8RD Male | 30150773 | 1 |
| 13 ⅜" 8RD Female | 30151022 | 1 |
| 13 ⅜" 8RD Slip Joint | 30151268 | 1 |

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# TYPE L-HFC-W TUBING HEAD

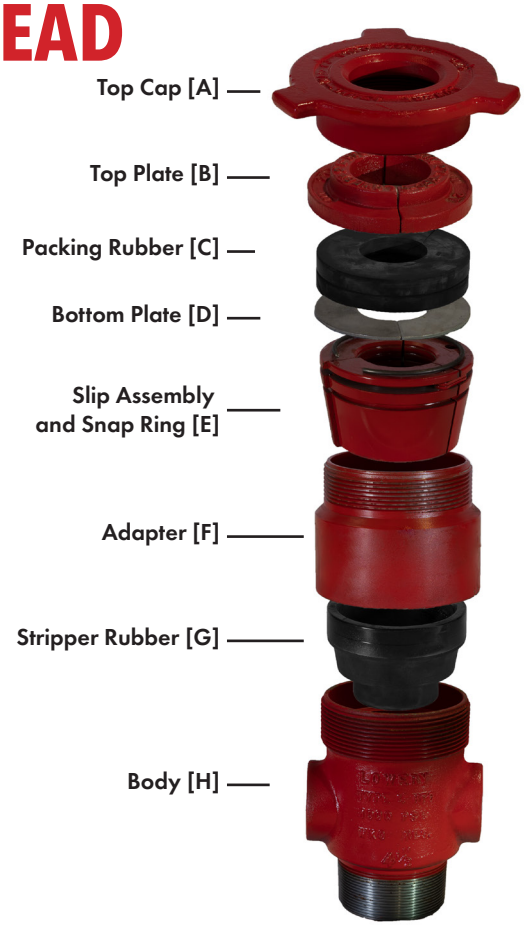
## 1,000 PSI Working Pressure

### L-HFCS-W TUBING HEAD WITH STRIPPER RUBBER

- 1,000 PSI Working Pressure
- Adapter with O-Ring: 16.4 lbs
- Stripper Rubber: 1 ½, 2 1/16, 2 ⅜
- Stripper Rubbers are not designed to withstand full pressure rating

### FEATURES:

- Full opening bore on 4 ½ body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Stripper Rubber available
- Male or Female bottom connection available




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore (Inches) | Full | 4 | 4 |
| Suspended String (Inches) | 1 ½, 2 1/16, 2 ⅜, 2 ⅞ | 1 ½, 2 1/16, 2 ⅜, 2 ⅞ | 1 ½, 2 1/16, 2 ⅜, 2 ⅞ |
| Max Slip Load Rating (lbs) | 35,000 | 35,000 | 35,000 |
| Cap Thread (Inches) | 6" 6V | 6" 6V | 6" 6V |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Height (Inches) | 11 | 11 | 13 |
| Weight (lbs) | 46 | 52 | 57 |
| Packing Rubber OD | 5 ⅜ | 5 ⅜ | 5 ⅜ |

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| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-HFC-W Tubing Head | 30511 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 1 ½" | 3085 | 1 |
| 2 1/16" | 3089 | 1 |
| 2 3/8" | 3027 | 2 |
| 2 7/8" | 3073 | 2 |



| PACKING RUBBER [C] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 1 ½" | 3086 | 1 |
| 2 1/16" | 3090 | 1 |
| 2 3/8" | 3028 | 1 |
| 2 7/8" | 3074 | 1 |



| BOTTOM PLATE [D] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 1 ½" | 3087 | 1 |
| 2 1/16" | 3029 | 1 |
| 2 3/8" | 3029 | 1 |
| 2 7/8" | 3075 | 1 |



| SLIP ASSEMBLY AND SNAP RING [E] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 1 ½" | 30153402 | 1 |
| 2 1/16" | 30153403 | 1 |
| 2 3/8" | 30153404 | 1 |
| 2 7/8" | 30153405 | 1 |



| ADAPTER[F] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| Stripper Rubber Adapter with O-Ring | 30154500 | 1 |
| O-Ring | 30565 | 1 |



| STRIPPER RUBBER [G] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 1 ½" | 3011010 | 1 |
| 2 1/16" | 3011010 | 1 |
| 2 3/8" | 3011011 | 1 |



| BODY [H] | | |
|---|---|---|
| L-HFC-W Tubing Head | Part Number | QTY |
| 4 ½" 8RD Male | 30150000 | 1 |
| 4 ½" 8RD Female | 3095 | 1 |
| 5 ½" 8RD Male | 30150001 | 1 |
| 5 ½" 8RD Female | 3098 | 1 |
| 7" 8RD Male | 30150003 | 1 |
| 7" 8RD Female | 30101 | 1 |

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# TYPE L-HB TUBING HEAD

## 1,500 PSI Working Pressure

### L-HBW TUBING HEAD WITH STRIPPER RUBBER

- 1,500 PSI working pressure
- Adapter with O-Ring: 20 lbs. (4 ½ & 5 ½ bodies)
- Adapter with O-Ring: 49.6 Lbs. (7 body)
- Stripper Rubber for 4 ½ & 5 ½ bodies: 2 ⅜, 2 ⅞
- Stripper Rubber for 7 body: 2 ⅜, 2 ⅞ , 3 ½
- Stripper Rubbers are not designed to withstand full pressure rating

### FEATURES:

- Full opening bore
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Stripper Rubber available
- Male or Female bottom connection available
- 3 8V side outlet option
- Mandrel option



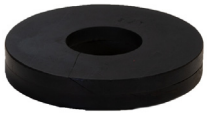

| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 |
| Bore (Inches) | Full | Full | Full |
| Suspended String (Inches) | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞ | 1 ½, 2 ⁵⁄₁₆, 2 ⅜,2 ⅞, 3 ½ |
| Max Slip Load Rating (lbs) | 45,000 | 45,000 | 75,000 |
| Cap Thread (Inches) | 7 8RD | 7 8RD | 8 ⅝ 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Ductile Iron | Ductile Iron | Carbon Steel |
| Height (Inches) | 12 | 12 | 12 |
| Weight (lbs) | 65 | 65 | 125 |
| Packing Rubber OD | 6 ⅛ | 6 ⅛ | 7 ½ |



| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-HB Tubing Head 7" | 301062 | 1 |
| L-HB Tubing Head 4 ½" & 5 ½" | 30105 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-HB Tubing Head 7" | Part Number | QTY |
| 1 ½" | 30249 | 1 |
| 2 ⁵⁄₁₆" | 30251 | 1 |
| 2 ⅜" | 30250 | 1 |
| 2 ⅞" | 30252 | 1 |
| 3 ½" | 30253 | 1 |
| L-HB Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
| 2 ⅜" | 30166 | 1 |
| 2 ⅞" | 30168 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| L-HB Tubing Head 7" | Part Number | QTY |
| Packing Rubber 7 ½" OD | | |
| 1 ½" | 30152753 | 2 |
| 2 ⁵⁄₁₆" | 30152763 | 2 |
| 2 ⅜" | 30152754 | 2 |
| 2 ⅞" | 30152755 | 2 |
| 3 ½" | 30152756 | 2 |
| L-HB Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
| Packing Rubber 6 ⅞" OD | | |
| 2 ⅜" | 30152751 | 2 |
| 2 ⅞" | 30152752 | 2 |

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## BOTTOM PLATE [D]

| L-HB Tubing Head 7" | Part Number | QTY |
|---|---|---|
| 1 ½" | 30263 | 1 |
| 2 ⅛" | 30265 | 1 |
| 2 ⅜" | 30264 | 1 |
| 2 ⅞" | 30266 | 1 |
| 3 ½" | 30267 | 1 |
| **L-HB Tubing Head 4 ½" & 5 ½"** | **Part Number** | **QTY** |
| 2 ⅜" | 30178 | 1 |
| 2 ⅞" | 30180 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| L-HB Tubing Head 7" | Part Number | QTY |
|---|---|---|
| 1 ½" | 30153402 | 1 |
| 2 ⅛" | 30153403 | 1 |
| 2 ⅜" | 30153418 | 1 |
| 2 ⅞" | 30153419 | 1 |
| 3 ½" | 30153420 | 1 |
| **L-HB Tubing Head 4 ½" & 5 ½"** | **Part Number** | **QTY** |
| 2 ⅜" | 30153416 | 1 |
| 2 ⅞" | 30153417 | 1 |



## SLIP BOWL [F]

| L-HB Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
|---|---|---|
| Slip Bowl | 30112 | 1 |



## STRIPPER RUBBER [G]

| L-HB Tubing Head 7" | Part Number | QTY |
|---|---|---|
| Stripper Rubber | | |
| 7" 8R | | |
| 1 ½" | 3011018 | 1 |
| 2" | 3011019 | 1 |
| 2 ½" | 3011020 | 1 |
| 3" | 3011021 | 1 |
| Stripper Rubber | | |
| 4 ½" 8R & 5 ½" 8R | | |
| 2 ⅜" | 3011015 | 1 |
| 2 ⅞" | 3011016 | 1 |



## ADAPTER [H]

| L-HB Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
|---|---|---|
| Stripper Rubber Adapter with O-Ring | 30154503 | 1 |
| O-Ring | 3042 | 1 |
| L-HB 7" | 30154504 | 1 |
| O-Ring | 3052 | 1 |



## BODY [I]

| L-HB Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
|---|---|---|
| Body | | |
| 4 ½" 8RD Male | 30150010 | 1 |
| 4 ½" 8RD Female | 30157 | 1 |
| 5 ½" 8RD Male | 30150012 | 1 |
| 5 ½" 8RD Male | 30158 | 1 |
| 4 ½" 8RD Male w/3" Outlet | 30150013 | 1 |
| 5 ½" 8RD Male w/3" Outlet | 30150014 | 1 |
| 4 ½" 8RD Female w/3" Outlet | 30150265 | 1 |
| 5 ½" 8RD Female w/3" Outlet | 30150266 | 1 |
| **L-HB Tubing Head 7"** | **Part Number** | QTY |
| Body | | |
| 7" 8RD Male | 30150016 | 1 |
| 7" 8RD Female | 30150267 | 1 |
| 7" 8RD Slip Joint | 30150298 | 1 |
| 7" Male w/3" Outlet | 30150017 | 1 |
| 7" Female w/3" Outlet | 30150268 | 1 |
| 8 ⅝" Male w/3" Outlet | 30150050 | 1 |
| 8 ⅝" Male w/2" Outlets | 30150051 | 1 |

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# TYPE L-A7 TUBING HEAD

## 2,000 PSI Working Pressure

### L-A7S TUBING HEAD WITH STRIPPER RUBBER

- 2,000 PSI working pressure
- Adapter with O-Ring: 49.6 Lbs
- Stripper Rubber for 4½, 5½ & 7 bodies:1½, 2 1⁄16, 2 3⁄8, 2 7⁄8, 3 ½
- Stripper Rubbers are not designed to withstand full pressure rating

### FEATURES:

- Full opening bore on all body sizes
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Stripper Rubber available
- Male or Female bottom connection available
- Mandrel option



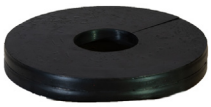

| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore (Inches) | Full | Full | Full |
| Suspended String (Inches) | 1 ½, 2 1⁄16, 2 3⁄8, 2 7⁄8 | 1 ½, 2 1⁄16, 2 3⁄8, 2 7⁄8 , 3 ½ | 1 ½, 2 1⁄16, 2 3⁄8, 2 7⁄8 , 3 ½ |
| Max Slip Load Rating (lbs) | 85,000 | 85,000 | 85,000 |
| Cap Thread (Inches) | 8 3⁄8 8RD | 8 3⁄8 8RD | 8 3⁄8 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 13 | 13 | 13 |
| Weight (lbs) | 153 | 148 | 150 |
| Packing Rubber OD | 7 ½ | 7 ½ | 7 ½ |



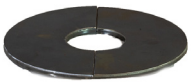
| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| Type L-A7 Tubing Head | 3044 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| Type L-A7 Tubing Head | Part Number | QTY |
| 1 ½" | 30249 | 1 |
| 2 1⁄16" | 30251 | 1 |
| 2 3⁄8" | 30250 | 1 |
| 2 7⁄8" | 30252 | 1 |
| 3 ½" | 30253 | 1 |
| 4" | 301779 | 1 |
| 4 ½" | 30401 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| Type L-A7 Tubing Head | Part Number | QTY |
| 1 ½" | 30152764 | 2 |
| 2 1⁄16" | 30152763 | 2 |
| 2 3⁄8" | 30152754 | 2 |
| 2 7⁄8" | 30152755 | 2 |
| 3 ½" | 30152756 | 2 |
| 4" | 30152833 | 2 |
| 4 ½" | 30152774 | 2 |



## BOTTOM PLATE [D]

| Type L-A7 Tubing Head | Part Number | QTY |
|---|---|---|
| 1 ½" | 30263 | 1 |
| 2 1/16" | 30265 | 1 |
| 2 3/8" | 30264 | 1 |
| 2 7/8" | 30266 | 1 |
| 3 ½" | 30267 | 1 |
| 4" | 301781 | 1 |
| 4 ½" | 30369 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| Type L-A7 Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Body | | |
| 1 ½" | 30153402 | 1 |
| 2 1/16" | 30153403 | 1 |
| 2 3/8" | 30153418 | 1 |
| 2 7/8" | 30153419 | 1 |
| 3 ½" | 30153420 | 1 |
| 5 ½" 8RD Body, 7" 8RD | | |
| 1 ½" | 30153402 | 1 |
| 2 1/16" | 30153403 | 1 |
| 2 3/8" | 30153418 | 1 |
| 2 7/8" | 30153419 | 1 |
| 3 ½" | 30153420 | 1 |
| 4" | 30153489 | 1 |
| 4 ½" | 30153448 | 1 |



## ADAPTER [F]

| Type L-A7 Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber adapter with O-Ring | 30154507 | 1 |
| O-Ring | 3052 | 1 |



## STRIPPER RUBBER [G]

| Type L-A7 Tubing Head | Part Number | QTY |
|---|---|---|
| All body Sizes | | |
| 1 ½" | 3011018 | 1 |
| 2 1/16" | 3011018 | 1 |
| 2 3/8" | 3011019 | 1 |
| 2 7/8" | 3011020 | 1 |
| 3 ½" | 3011021 | 1 |




## BODY [H]

| Type L-A7 Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Male | 30150030 | 1 |
| 4 ½" 8RD Female | 30150269 | 1 |
| 5 ½" 8RD Male | 30150031 | 1 |
| 5 ½" 8RD Female | 30150270 | 1 |
| 7" 8RD Male | 30150033 | 1 |
| 7" 8RD Female | 30150272 | 1 |
| 7" Slip Joint | 30150296 | 1 |
| 5 ½" Slip Joint | 30150505 | 1 |

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# TYPE L-SO TUBING HEAD

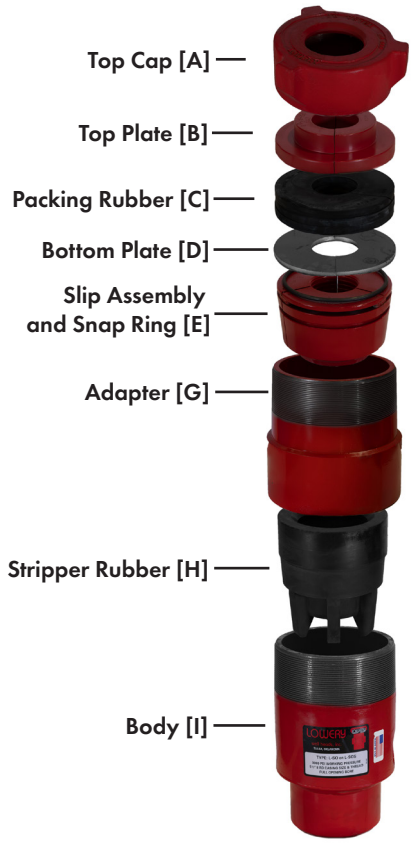
## 3,000 PSI Working Pressure

### L-SOS TUBING HEAD WITH STRIPPER RUBBER

- 3,000 PSI working pressure
- Adapter with O-Ring: 49.6 lbs
- Stripper Rubber for all bodies:1½, 2 1/16, 2 3/8, 2 7/8, 3 ½
- Stripper Rubbers are not designed to withstand full pressure rating

### FEATURES:

- Full opening bore
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Stripper Rubber available
- Male or Female bottom connection available
- Mandrel Option




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore (Inches) | Full | Full | Full |
| Suspended String (Inches) | 1 ½, 2 1/16, 2 3/8, 2 7/8 | 1 ½, 2 1/16, 2 3/8, 2 7/8, 3 ½ | 1 ½, 2 1/16, 2 3/8, 2 7/8, 3 ½ |
| Max Slip Load Rating (lbs) | 120,000 | 120,000 | 120,000 |
| Cap Thread (Inches) | 8 5/8 8RD | 8 5/8 8RD | 8 5/8 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 14 | 14 | 14 |
| Weight (lbs) | 160 | 155 | 150 |



| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-SO Tubing Head | 30311 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-SO Tubing Head | Part Number | QTY |
| 1 ½" | 30394 | 1 |
| 2 1/16" | 30395 | 1 |
| 2 3/8" | 30396 | 1 |
| 2 7/8" | 30397 | 1 |
| 3" | 30398 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| L-SO Tubing Head | Part Number | QTY |
| 1 ½" | 30152763 | 3 |
| 2 1/16" | 30152765 | 3 |
| 2 3/8" | 30152766 | 3 |
| 2 7/8" | 30152767 | 3 |
| 3" | 30152768 | 3 |

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## BOTTOM PLATE [D]

| L-SO Tubing Head | Part Number | QTY |
|---|---|---|
| 1 ½" | 30263 | 1 |
| 2 1⁄16" | 30265 | 1 |
| 2 3⁄8" | 30264 | 1 |
| 2 7⁄8" | 30266 | 1 |
| 3" | 30267 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| L-SO Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD | | |
| 1 ½" | 30153402 | 1 |
| 2 1⁄16" | 30153403 | 1 |
| 2 3⁄8" | 30153418 | 1 |
| 2 7⁄8" | 30153419 | 1 |
| 3" | 30153420 | 1 |
| 5 ½" 8RD | | |
| 1 ½" | 30153402 | 1 |
| 2 1⁄16" | 30153403 | 1 |
| 2 3⁄8" | 30153418 | 1 |
| 2 7⁄8" | 30153419 | 1 |
| 3" | 30153420 | 1 |
| 7" 8RD | | |
| 1 ½" | 30153402 | 1 |
| 2 1⁄16" | 30153403 | 1 |
| 2 3⁄8" | 30153418 | 1 |
| 2 7⁄8" | 30153419 | 1 |
| 3 ½" | 30153420 | 1 |



## ADAPTER [G]

| L-SO Tubing Head | | |
|---|---|---|
| Stripper Rubber Adapter with O-Ring | 30154511 | 1 |
| O-Ring | 3052 | 1 |



## STRIPPER RUBBER [H]

| L-SO Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8 RD | | |
| 1 ½" | 3011018 | 1 |
| 2 1⁄16" | 3011018 | 1 |
| 2 3⁄8" | 3011019 | 1 |
| 2 7⁄8" | 3011020 | 1 |
| 3 ½" | 3011021 | 1 |
| 5 ½" 8 RD | | |
| 1 ½" | 3011018 | 1 |
| 2 1⁄16" | 3011018 | 1 |
| 2 3⁄8" | 3011019 | 1 |
| 2 7⁄8" | 3011020 | 1 |
| 3 ½" | 3011021 | 1 |
| 7" 8RD | | |
| 1 ½" | 3011018 | 1 |
| 2 1⁄16" | 3011018 | 1 |
| 2 3⁄8" | 3011019 | 1 |
| 2 7⁄8" | 3011020 | 1 |
| 3 ½" | 3011021 | 1 |




## BODY [I]

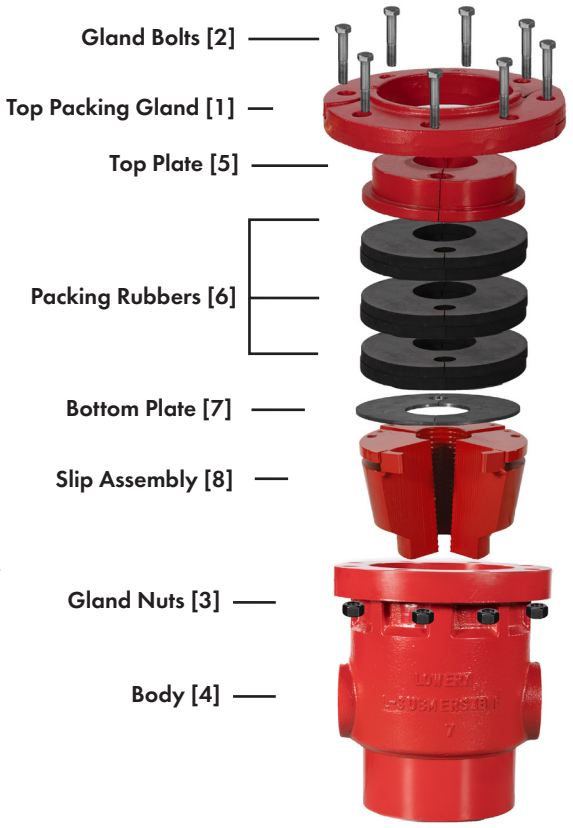
| L-SO Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8 RD Male | 30150045 | 1 |
| 4 ½" 8 RD Female | 30150284 | 1 |
| 5 ½" 8 RD Male | 30150046 | 1 |
| 5 ½" 8 RD Female | 30150285 | 1 |
| 7" 8RD Male | 30150047 | 1 |
| 7" 8RD Female | 30150286 | 1 |

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# TYPE L-HHS TUBING HEAD

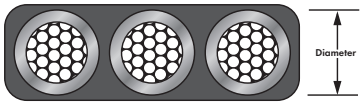
## 1,500 PSI Working Pressure

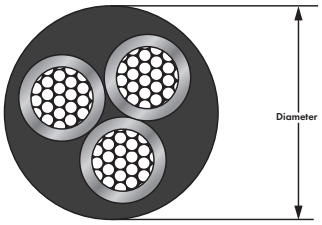
**FEATURES:**
- Full opening bore
- Hinged Slips
- Split Packing Gland
- 2" LP Side Outlets




| Flat Cable Style (Shown Below) | |
|---|---|
| #6 | 0.500 Inch |
| #4 | 0.562 Inch |
| #2 | 0.655 Inch |

| Round Cable Style (Shown Below) | |
|---|---|
| #6 | 0.862 Inch |
| #4 | 1.01 Inch |
| #2 | 1.21 Inch |




| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RF | 5 ½ 8RF | 7 8RF |
| Suspended String (Inches) | 2 ⅜ & 2 ⅞ | 2 ⅜ & 2 ⅞ | 2 ⅜ & 2 ⅞ |
| Max Slip Load Rating (lbs) | 80,000 | 80,000 | 80,000 |
| Packing Gland | 8 Nuts & Bolts | 8 Nuts & Bolts | 8 Nuts & Bolts |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Height (Inches) | 14 | 14 | 14 |
| Weight (lbs) | 175 | 170 | 165 |
| Packing Rubber OD | 7 ½ | 7 ½ | 7 ½ |







| TOP PACKING GLAND[1] | Part Number | QTY |
|---|---|---|
| L-HHS 1500 PSI | | |
| Top Packing Gland with Screws & Nuts | | |
| Top Packing Gland | 301976 | 1 |

| GLAND BOLTS [2] | | |
|---|---|---|
| L-HHS 1500 PSI | Part Number | QTY |
| ¾" x 4 ¼" Grade 8 Hex Cap Screw | 302107 | 8 |

| GLAND NUTS [3] | | |
|---|---|---|
| L-HHS 1500 PSI | Part Number | QTY |
| ¾" Grade 8 Nut | 302108 | 8 |

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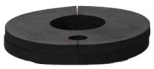
## BODY [4]

| L-HHS 1500 PSI | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Female | 301977 | 1 |
| 5 ½" 8RD Female | 301978 | 1 |
| 7" 8RD Female | 301979 | 1 |



## TOP PLATE [5]

| L-HHS 1500 PSI | Part Number | QTY |
|---|---|---|
| Flat Cable Style | | |
| #6 2 ⅜" w3 (.500) Holes | 302104 | 1 |
| a #6 2 ⅜" W/3 (.500) Holes | 302239 | 1 |
| b #4 2 ⅜" W/3 (.562) Holes | 302242 | 1 |
| c #4 2 ⅜" W/3 (.562) Holes | 302245 | 1 |
| d #2 2 ⅜" W/3 (.655) Holes | 302248 | 1 |
| Round Cable Style | | |
| e #6 2 ⅜" W/1 (.862) Hole | 302251 | 1 |
| f #6 2 ⅜" W/1 (.862) Hole | 302254 | 1 |
| g #4 2 ⅜" W/1 (1.01) Hole | 302154 | 1 |
| h #4 2 ⅜" W/1 (1.01) Hole | 302156 | 1 |
| i #2 2⅜" W/1 (1.21) Hole | 302257 | 1 |
| j #2 2 ⅜" W/1 (1.21) Hole | 302260 | 1 |
| k 2 ⅜" With no Hole | 302169 | 1 |
| l 2 ⅜" with no Hole | 302263 | 1 |



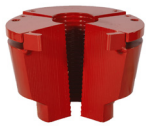
## PACKING RUBBERS [6]

| L-HHS 1500 PSI | Part Number | QTY |
|---|---|---|
| Flat Cable Style | | |
| #6 2 ⅜" w3 (.500) Holes | 302105 | 3 |
| a #6 2 ⅜" W/3 (.500) Holes | 302240 | 3 |
| b #4 2 ⅜" W/3 (.562) Holes | 302243 | 3 |
| c #4 2 ⅜" W/3 (.562) Holes | 302246 | 3 |
| d #2 2 ⅜" W/3 (.655) Holes | 302249 | 3 |
| Round Cable Style | | |
| e #4 2 ⅜" W/1 (1.01) hole | 302166 | 3 |
| f #4 2 ⅜ W/1 (1.01) hole | 302163 | 3 |
| g #6 2 ⅜" W/1 (.862) hole | 302252 | 3 |
| h #6 2 ⅜" W/1 (.862) hole | 302255 | 3 |
| i #2 2 ⅜" W/1 (1.21) hole | 302258 | 3 |
| j #2 2 ⅜" W/1 (1.21) hole | 302261 | 3 |
| k 2 ⅜" with no hole | 302170 | 3 |
| l 2 ⅜" with no hole | 302264 | 3 |



## BOTTOM PLATE [7]

| L-HHS 1500 PSI | Part Number | QTY |
|---|---|---|
| Flat Cable Style | | |
| #6 2 ⅜" w3 (.500) Holes | 302106 | 1 |
| a #6 2 ⅜" W/3 (.500) Holes | 302241 | 1 |
| b #4 2 ⅜" W/3 (.562) Holes | 302244 | 1 |
| c #4 2 ⅜" W/3 (.562) Holes | 302247 | 1 |
| d #2 2 ⅜" W/3 (.655) Holes | 302250 | 1 |
| Round Cable Style | | |
| e #6 2 ⅜" W/1 (.862) Hole | 302253 | 1 |
| f #6 2 ⅜" W/1 (.862) Hole | 302256 | 1 |
| g #4 2 ⅜" W/1 (1.01) Hole | 302155 | 1 |
| h #4 2 ⅜" W/1 (1.01) Hole | 302157 | 1 |
| i #2 2⅜" W/1 (1.21) Hole | 302259 | 1 |
| j #2 2 ⅜" W/1 (1.21) Hole | 302262 | 1 |
| k 2 ⅜" With no Hole | 302171 | 1 |
| l 2 ⅜" with no Hole | 302265 | 1 |



## SLIP ASSEMBLY [8]

| L-HHS 1500 PSI | Part Number | QTY |
|---|---|---|
| Flat Cable Style | | |
| #6 2 ⅜" w3 (.500) Holes | 302035 | 1 |
| a #6 2 ⅜" W/3 (.500) Holes | 302036 | 1 |
| b #4 2 ⅜" W/3 (.562) Holes | 302035 | 1 |
| c #4 2 ⅜" W/3 (.562) Holes | 302036 | 1 |
| d #2 2 ⅜" W/3 (.655) Holes | 302035 | 1 |
| Round Cable Style | | |
| e #6 2 ⅜" W/1 (.862) Hole | 302035 | 1 |
| f #6 2 ⅜" W/1 (.862) Hole | 302036 | 1 |
| g #4 2 ⅜" W/1 (1.01) Hole | 302035 | 1 |
| h #4 2 ⅜" W/1 (1.01) Hole | 302036 | 1 |
| i #2 2⅜" W/1 (1.21) Hole | 302035 | 1 |
| j #2 2 ⅜" W/1 (1.21) Hole | 302036 | |
| k 2 ⅜" With no Hole | 302035 | 1 |
| l 2 ⅜" with no Hole | 302036 | 1 |

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# TYPE L-CE CASING HEAD

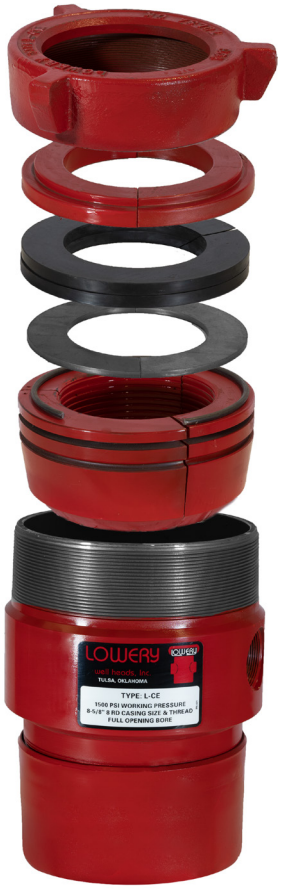
## 1,500 PSI Working Pressure

### L-CE-B

Suspended String size for 8 ⅝ body is 2 ⅜, 2 ⅞, 3 ½

### FEATURES:

- Full opening bore
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Male or Female bottom connection available




| HEAD COMPLETE | | |
|---|---|---|
| Bottom Connection (Inches) | 7 | 8⅝ |
| Bore (Inches) | Full | Full |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½, 7 |
| Max Slip Load Rating (lbs) | 85,000 | 100,000 |
| Cap Thread (Inches) | 8 ⅝ 8RD | 9 ⅝ 8RD |
| Cap Material | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel |
| Height (Inches) | 11 ½ | 12 |
| Weight (lbs) | 101 | 130 |
| Packing Rubber OD | 7 ½ | 8 ¾ |







| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | 30107 | 1 |
| L-CE Casing Head 7" | 301062 | 1 |
| L-CE Casing Head 8 ⅝" | 30107 | 1 |

| SLIP BOWL | Part Number | QTY |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | 30470 | 1 |

| TOP PLATE [B] | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | Part Number | QTY |
| 2 ⅜" | 30196 | 1 |
| 2 ⅞" | 30197 | 1 |
| 3 ½" | 30198 | 1 |
| L-CE Casing Head 7" | Part Number | QTY |
| 4 ½" | 30401 | 1 |
| 5 ½" | 30402 | 1 |
| L-CE Casing Head 8 ⅝" | Part Number | QTY |
| 4 ½" | 30200 | 1 |
| 5 ½" | 30201 | 1 |
| 7" | 30203 | 1 |

| PACKING RUBBER [C] | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | Part Number | QTY |
| 2 ⅜" | 30152776 | 2 |
| 2 ⅞" | 30152777 | 2 |
| 3 ½" | 30152778 | 2 |
| L-CE Casing Head 7" | Part Number | QTY |
| 4 ½" | 30152774 | 2 |
| 5 ½" | 30152775 | 2 |
| L-CE Casing Head 8 ⅝" | Part Number | QTY |
| 4 ½" | 30152779 | 2 |
| 5 ½" | 30152780 | 2 |
| 7" | 30152781 | 2 |








| BOTTOM PLATE [D] | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | Part Number | QTY |
| 2 ⅜" | 30212 | 1 |
| 2 ⅞" | 30213 | 1 |
| 3 ½" | 30214 | 1 |
| L-CE Casing Head 7" | Part Number | QTY |
| 4 ½" | 30369 | 1 |
| 5 ½" | 30370 | 1 |
| L-CE Casing Head 8 ⅝" | Part Number | QTY |
| 4 ½" | 30216 | 1 |
| 5 ½" | 30217 | 1 |
| 7" | 30219 | 1 |

| SLIP ASSEMBLY AND SNAP RING [E] | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | Part Number | QTY |
| 8 ⅝" 8RD | | |
| 2 ⅜" | 30153451 | 1 |
| 2 ⅞" | 30153452 | 1 |
| 3 ½" | 30153453 | 1 |
| L-CE Casing Head 7" | Part Number | QTY |
| 4 ½" | 30153448 | 1 |
| 5 ½" | 30153449 | 1 |
| L-CE Casing Head 8 ⅝" | Part Number | QTY |
| 8 ⅝" 8RD | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153456 | 1 |

| BODY [F] | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | Part Number | QTY |
| 8 ⅝" 8RD Male | 30150753 | 1 |
| 8 ⅝" 8RD Female | 30151002 | 1 |
| 8 ⅝" Slip Joint | 30151251 | 1 |
| L-CE Casing Head 7" | Part Number | QTY |
| 7" 8RD Male | 30150751 | 1 |
| 7" 8RD Female | 30151000 | 1 |
| L-CE Casing Head 8 ⅝" | Part Number | QTY |
| 8 ⅝" 8RD Male | 30150753 | 1 |
| 8 ⅝" 8RD Female | 30151002 | 1 |
| 8⅝" Slip Joint | 30151251 | 1 |

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# TYPE L-ECA CASING HEAD

## 1,500 PSI Working Pressure

### L-ECA-B

Suspended String size for 8 ⅝ body is 2 ⅜, 2 ⅞, 3½

### FEATURES:

- Full opening bore on 7 & 8 ⅝ bodies
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Male, Female, or Slip Joint bottom connection available




| HEAD COMPLETE | | | | |
|---|---|---|---|---|
| Bottom Connection (Inches) | 7 | 8⅝ | 9⅝ | 10 ¾ |
| Bore (Inches) | Full | Full | 8 ⅞ | 8 ⅞ |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½, 7 | 4 ½, 5 ½, 7 | 4 ½, 5 ½, 7 |
| Max Slip Load Rating (lbs) | 85,000 | 100,000 | 100,000 | 100,000 |
| Cap Thread (Inches) | 8 ¾ 8RD | 10 ¾ 8RD | 10 ¾ 8RD | 10 ¾ 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 11 ½ | 13 | 13 | 13 |
| Weight (lbs) | 101 | 182 | 185 | 173 |
| Packing Rubber OD | 7 ½ | 9 ⅛ | 9 ¹¹⁄₁₆ | 9 ¹¹⁄₁₆ |







| TOP CAP [A] | PART NUMBER | QTY |
|---|---|---|
| L-ECA-B Casing Head 8 ⅝" | 30312 | 1 |
| L-ECA Casing Head 9⅝" & 10¾ | 30312 | 1 |
| L-ECA Casing Head 7" | 301062 | 1 |
| L-ECA Casing Head 8 ⅝" | 30312 | 1 |

| TOP PLATE [B] | | |
|---|---|---|
| L-ECA-B Casing Head 8 ⅝" | Part Number | QTY |
| 2 ⅜" | 30467 | 1 |
| 2 ⅞" | 30471 | 1 |
| 3 ½" | 30474 | 1 |
| L-ECA Casing Head 9 ⅝" & 10 ¾ | Part Number | QTY |
| 4 ½" | 30589 | 1 |
| 5 ½" | 30593 | 1 |
| 7" | 30597 | 1 |
| L-ECA Casing Head 7" | Part Number | QTY |
| 4 ½" | 30401 | 1 |
| 5 ½" | 30402 | 1 |
| L-ECA Casing Head 8 ⅝" | Part Number | QTY |
| 4 ½" | 30383 | 1 |
| 5 ½" | 30384 | 1 |
| 7" | 30385 | 1 |

| PACKING RUBBER [C] | | |
|---|---|---|
| L-ECA-B Casing Head 8 ⅝" | Part Number | QTY |
| 2 ⅜" | 30152787 | 2 |
| 2 ⅞" | 30152788 | 2 |
| 3 ½" | 30152789 | 2 |
| L-ECA Casing Head 9 ⅝" & 10 ¾ | Part Number | QTY |
| 4 ½" | 30152793 | 2 |
| 5 ½" | 30152794 | 2 |
| 7" | 30152795 | 2 |
| L-ECA Casing Head 7" | Part Number | QTY |
| 4 ½" | 30152774 | 1 |
| 5 ½" | 30152775 | 1 |
| L-ECA Casing Head 8 ⅝" | Part Number | QTY |
| 4 ½" | 30152790 | 2 |
| 5 ½" | 30152791 | 2 |
| 7" | 30152803 | 2 |

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## BOTTOM PLATE [D]

| L-ECA-B Casing Head 8 ⅝" | Part Number | QTY |
|---|---|---|
| 2 ⅜" | 30469 | 1 |
| 2 ⅞" | 30473 | 1 |
| 3 ½" | 30476 | 1 |
| **L-ECA Casing Head 9 ⅝" & 10 ¾** | **Part Number** | **QTY** |
| 4 ½" | 30591 | 1 |
| 5 ½" | 30595 | 1 |
| 7" | 30599 | 1 |
| **L-ECA Casing Head 7"** | **Part Number** | **QTY** |
| 4 ½" | 30369 | 1 |
| 5 ½" | 30370 | 1 |
| **L-ECA Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 4 ½" | 30389 | 1 |
| 5 ½" | 30390 | 1 |
| 7" | 30391 | 1 |

## SLIP ASSEMBLY AND SNAP RING [E]

| L-ECA-B Casing Head 8 ⅝" | Part Number | QTY |
|---|---|---|
| 8 ⅝" 8RD | | |
| 2 ⅜" | 30153451 | 1 |
| 2 ⅞" | 30153452 | 1 |
| 3 ½" | 30153453 | 1 |
| **L-ECA Casing Head 9 ⅝" & 10 ¾** | **Part Number** | **QTY** |
| 9 ⅝" 8RD | | |
| 4 ½" | 30153448 | 1 |
| 5 ½" | 30153449 | 1 |
| 7" | 30153466 | 1 |
| 10 ¾" 8RD | | |
| 4 ½" | 30153448 | 1 |
| 5 ½" | 30153449 | 1 |
| 7" | 30153466 | 1 |
| **L-ECA Casing Head 7"** | **Part Number** | **QTY** |
| 7" 8RD | | |
| 4 ½" | 30153448 | 1 |
| 5 ½" | 30153449 | |
| **L-ECA Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 8 ⅝" 8RD | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153456 | 1 |

## BODY [F]

| L-ECA Casing Head 7" | Part Number | QTY |
|---|---|---|
| 7" 8RD Male | 30150760 | 1 |
| 7" 8RD Female | 30151007 | 1 |
| 7" Slip Joint | 30151256 | 1 |
| **L-ECA Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 8 ⅝" 8RD Male | 30150761 | 1 |
| 8 ⅝" 8RD Female | 30151009 | 1 |
| 8 ⅝" Slip Joint | 30151257 | 1 |
| 9 ⅝ 8RD Male | 30150762 | 1 |
| 9 ⅝ 8RD Female | 30151010 | 1 |
| 10 ¾ 8RD Male | 30150783 | 1 |

## SLIP BOWL [G]

| | | |
|---|---|---|
| L-CE-B Casing Head 8 ⅝" | 30470 | 1 |
| L-ECA Casing Head 9 ⅝" & 10 ¾ | 30619 | 1 |

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# TYPE L-MC CASING HEAD

## 1,500 & 2,000 PSI Working Pressure

### FEATURES:

- Full opening bore on 7" body
- 8 ⅝ 8RD API MOD top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Male and Female connection available on 7"
- Male available on 8 ⅝ only




| HEAD COMPLETE 1,500 PSI | | |
|---|---|---|
| Bottom Connection (Inches) | 7 | 8 ⅝ Male Only |
| Bore (Inches) | Full | 6.4 |
| Suspended String (Inches) | 4 ½ | 4 ½ |
| Max Slip Load Rating (lbs) | 90,000 | 90,000 |
| Cap Thread (Inches) | 8 ⅝ 8RD API MOD | 8 ⅝ 8RD API MOD |
| Cap Material | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel |
| Height (Inches) | 11" | 11" |
| Weight (lbs) | 83 | 101 |

| HEAD COMPLETE 2,000 PSI | | |
|---|---|---|
| Bottom Connection (Inches) | 7 | 8 ⅝ |
| Bore (Inches) | Full | 6.4 |
| Suspended String (Inches) | 4 ½ | 4 ½ |
| Max Slip Load Rating (lbs) | 90,000 lbs. | 90,000 lbs. |
| Cap Thread (Inches) | 8 ⅝ 8RD API MOD | 8 ⅝ 8RD API MOD |

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| TOP CAP [A] | PART NUMBER | QTY |
|---|---|---|
| L-MC 1500 & 2000 Casing Head | Part Number | QTY |
| Top Cap, 1500 PSI | 301443 | 1 |
| Top Cap, 2000 PSI | 301755 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-MC 1500 & 2000 Casing Head | Part Number | QTY |
| 4 ½" | 301436 | 1 |



| PACKING RUBBER [C] | | |
|---|---|---|
| L-MC 1500 & 2000 Casing Head 7 ½" OD | Part Number | QTY |
| 4 ½" | 301445 | 1 |



| SLIP ASSEMBLY AND SNAP RING [D] | | |
|---|---|---|
| L-MC 1500 & 2000 Casing Head | Part Number | QTY |
| 4 ½" | 30153485 | 1 |




| BODY [E] | | |
|---|---|---|
| L-MC 1500 & 2000 Casing Head | Part Number | QTY |
| 7" 8RD Male | 30150781 | 1 |
| 7" 8RD Female | 30151031 | 1 |
| 8 ¾" 8RD Male | 30150782 | 1 |

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# TYPE L-CJ CASING HEAD

## 2,000 PSI Working Pressure

### FEATURES:

- Full opening bore
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Male, Female, or Slip Joint bottom connection available




## HEAD COMPLETE

| Bottom Connection (Inches) | 7 | 8 ⅝ | 9 ⅝ | 10 ¾ | 11 ¾ MALE ONLY |
|---|---|---|---|---|---|
| Bore (Inches) | Full | Full | Full | Full | 10" |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½, 7 | 4 ½, 5 ½, 7 | 4 ½, 5 ½, 7, 8 ⅝ | 4 ½, 5 ½, 7, 8 ⅝ |
| Max Slip Load Rating (lbs) | 85,000 | 120,000 | 120,000 | 120,000 | 120,000 |
| Cap Thread (Inches) | 8 ⅝ 8RD | 10 ¾ 8RD | 11 ¾ 8RD | 11 ¾ 8RD | 11 ¾ 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 13 | 13 ½ | 14 ½ | 13 | 12 ½ |
| Weight (lbs) | 126 | 189 | 242 | 211 | 234 |



### TOP CAP [A]

| L-CJ Casing Head | Part Number | QTY |
|---|---|---|
| 9 ⅝" 8RD | 30313 | 1 |
| 10 ¾" 8RD | 30313 | 1 |
| 11 ¾" 8RD | 30313 | 1 |
| **L-CJ-B Casing Head** | **Part Number** | **QTY** |
| 9 ⅝" 8RD | 30313 | 1 |
| 10 ¾" 8RD | 30313 | 1 |
| 11 ¾" 8RD | 30313 | 1 |
| **L-CJ-B Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 8 ⅝" 8 RD | 30312 | 1 |
| **L-CJ 7: Casing Head** | **Part Number** | **QTY** |
| Top Cap for 4 ½ Parts | 30311 | 1 |
| Top Cap for 5 ½" Parts | 30576 | 1 |



### TOP PLATE [B]

| L-CJ Casing Head | Part Number | QTY |
|---|---|---|
| **L-CJ 7"** | | |
| **4 ½"** | **30403** | |
| **5 ½"** | **30404** | |
| **L-CJ 8 ⅝"** | **Part Number** | **QTY** |
| **4 ½"** | **30383** | **1** |
| **5 ½"** | **30384** | **1** |
| **7"** | **30385** | **1** |
| **L-CJ 9 ⅝"-11 ¾"** | **Part Number** | **QTY** |
| **4 ½"** | **30371** | **1** |
| **5 ½"** | **30372** | **1** |
| **7"** | **30373** | **1** |
| **8 ⅝"** | **30374** | **1** |
| **L-CJ-B 9 ⅝"-11 ¾"** | **Part Number** | **QTY** |
| **2 ⅜"** | **30490** | **1** |
| **2 ⅞"** | **30494** | **1** |
| **3 ½"** | **30497** | **1** |
| **L-CJ-B 8 ⅝"** | **Part Number** | **QTY** |
| **2 ⅜"** | **30467** | **1** |
| **2 ⅞"** | **30471** | **1** |
| **3 ½"** | **30474** | **1** |



### PACKING RUBBER [C]

| L-CJ Casing Head 10 ¾" OD | Part Number | QTY |
|---|---|---|
| 4 ½" | 30152807 | 3 |
| 5 ½" | 30152808 | 3 |
| 7" | 30152809 | 3 |
| 8 ⅝"* | 30152811 | 3 |
| **L-CJ-B Casing Head 10 ¾" OD** | **Part Number** | **QTY** |
| 2 ⅜" | 30152804 | 3 |
| 2 ⅞" | 30152805 | 3 |
| 3 ½" | 30152806 | 3 |
| **L-CJ-B Casing Head 8 ⅝" 9 ⅛" OD** | **Part Number** | **QTY** |
| 2 ⅜" | 30152798 | 3 |
| 2 ⅞ | 30152799 | 3 |
| 3 ½" | 30152800 | 3 |
| **L-CJ 7: Casing Head 7 ½" OD** | **Part Number** | **QTY** |
| 4 ½" | 30152796 | 3 |
| 5 ½" | 30152797 | 3 |
| **L-CJ Casing Head 8 ⅝" 9 ⅛" OD** | **Part Number** | **QTY** |
| 4 ½" | 30152801 | 3 |
| 5 ½" | 30152802 | 3 |
| 7" | 30152803 | 3 |



## BOTTOM PLATE [D]

| L-CJ Casing Head 9 ⅝ & 10 ¾ | Part Number | QTY |
|---|---|---|
| 4 ½" | 30379 | 1 |
| 5 ½" | 30380 | 1 |
| 7" | 30381 | 1 |
| 8 ⅝"* | 30382 | 1 |
| **L-CJ-B Casing Head 9 ⅝ & 10 ¾** | **Part Number** | **QTY** |
| 2 ⅜" | 30492 | 1 |
| 2 ⅞" | 30496 | 1 |
| 3 ½" | 30499 | 1 |
| **L-CJ-B Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 2 ⅜" | 30469 | 1 |
| 2 ⅞" | 30473 | 1 |
| 3 ½" | 30476 | |
| **L-CJ 7: Casing Head** | **Part Number** | **QTY** |
| 4 ½" | 30369 | 1 |
| 5 ½" | 30370 | 1 |
| **L-CJ Casing Head 8 ⅝"** | | |
| 4 ½" | 30389 | 1 |
| 5 ½" | 30390 | 1 |
| 7" | 30391 | |



## SLIP ASSEMBLY AND SNAP RING [E]

| L-CJ Casing Head | Part Number | QTY |
|---|---|---|
| 9 ⅝" 8RD Body | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153486 | 1 |
| **10 ¾" 8RD Body** | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153486 | 1 |
| 8 ⅝" | 30153469 | 1 |
| **11 ¾" 8RD Body** | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153486 | 1 |
| 8 ⅝"* | 30153469 | 1 |
| **L-CJ-B Casing Head** | **Part Number** | **QTY** |
| 2 ⅜" | 30153451 | 1 |
| 2 ⅞" | 30153452 | 1 |
| 3 ½" | 30153453 | 1 |
| **L-CJ-B Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 2 ⅜" | 30153451 | 1 |
| 2 ⅞" | 30153452 | 1 |
| 3 ½" | 30153453 | 1 |
| **L-CJ 7: Casing Head** | **Part Number** | **QTY** |
| 4 ½" | 30153448 | 1 |
| 5 ½" | 30153449 | 1 |
| **L-CJ Casing Head 8 ⅝"** | | |
| 4 ½" | 30153454 | 1 |
| 5 ½" | 30153455 | 1 |
| 7" | 30153456 | 1 |




## BODY [G]

| L-CJ Casing Head | Part Number | QTY |
|---|---|---|
| 9 ⅝" 8RD Male | 30150769 | 1 |
| 9 ⅝" 8RD Female | 30151018 | 1 |
| 9 ⅝" Slip Joint | 30151265 | 1 |
| 10 ¾" 8RD Male | 30150770 | 1 |
| 10 ¾" 8RD Male | 30151019 | 1 |
| 10 ¾" Slip Joint | 30151266 | 1 |
| 11 ¾" 8RD Male | 30150771 | 1 |
| **L-CJ-B Casing Head** | **Part Number** | **QTY** |
| 9 ⅝" 8RD Male | 30150769 | 1 |
| 9 ⅝" 8RD Female | 30151018 | 1 |
| 9 ⅝" Slip Joint | 30151265 | 1 |
| 10 ¾" 8RD Male | 30150770 | 1 |
| 10 ¾" 8RD Male | 30151019 | 1 |
| 10 ¾" Slip Joint | 30151266 | 1 |
| 11 ¾" 8RD Male | 30150771 | 1 |
| **L-CJ-B Casing Head 8 ⅝"** | **Part Number** | **QTY** |
| 8 ⅝" 8 RD Male | 30150768 | 1 |
| 8 ⅝" 8 RD Female | 30151017 | 1 |
| 8 ⅝" Slip Joint | 30151264 | 1 |
| **L-CJ 7: Casing Head** | **Part Number** | **QTY** |
| 7" 8RD Male | 30150767 | 1 |
| 7" 8RD Female | 30151016 | 1 |
| 7" Slip Joint | 30151263 | 1 |
| **L-CJ Casing Head 8 ⅝"** | | |
| 8 ⅝" 8 RD Male | 30150768 | 1 |
| 8 ⅝" 8 RD Female | 30151017 | 1 |
| 8 ⅝" Slip Joint | 30151264 | 1 |

## SLIP BOWL [F]

| L-CJ-B Casing Head 9 ⅝ & 10 ¾ | Part Number | | QTY |
|---|---|---|---|
| 4 ½" | 30470 | 30573 | 1 |
| 2 ⅞" | 30470 | 30573 | 1 |
| 3 ½" | 30470 | 30573 | 1 |
| **L-CJ-B Casing Head 8 ⅝"** | **Part Number** | | **QTY** |
| | 30470 | | 1 |

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# TYPE L-MS TUBING HEAD

## 1,500 PSI Working Pressure

### L-MSS TUBING HEAD WITH STRIPPER RUBBER

- 1,500 PSI working pressure
- Adapter with O-Ring: 9.70 Lbs
- Stripper Rubber available for all sizes
- Stripper Rubbers are not designed to withstand full pressure rating.

### FEATURES:

- Seamless steel Body
- Full bore on 4 ½ Body
- 1 ¾ compact Slip length
- Full flow throught outlet; no restrictions
- Hinged Slip segments with Snap Ring
- Male or Female bottom connection available



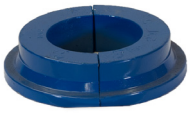

| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
| Bore (Inches) | Full | 4 | 4 |
| Suspended String (Inches) | 1 ½, 2 ⅜ | 1 ½, 2 ⅜ | 1 ½, 2 ⅜ |
| Max Slip Load Rating (lbs) | 45,000 | 45,000 | 45,000 |
| Cap Thread (Inches) | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 9 | 10 | 11 |
| Weight (lbs) | 44 | 46 | 55 |
| Packing Rubber OD | 4 ⅝ | 4 ⅝ | 4 ⅝ |

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## TOP CAP [A]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| | 30944 | 1 |



## TOP PLATE [B]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| 1 ½" | 30945 | 1 |
| 2 ⅜" | 30948 | 1 |



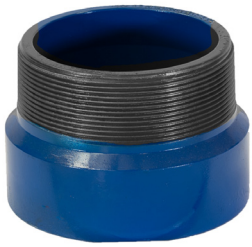
## PACKING RUBBER [C]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| Packing Rubber 1 ½" (4 ⅝" OD) | 30152761 | 2 |
| Packing Rubber 2 ⅜" (4 ⅝" OD) | 30152762 | 2 |



## SLIP ASSEMBLY AND SNAP RING [D]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| Slip for 4 ½", 5 ½", 7" | | |
| 1 ½" | 30153423 | 1 |
| 2 ⅜" | 30153425 | 1 |



## ADAPTER [E]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber adapter with O-Ring | 30154505 | 1 |
| O-Ring | 30957 | 1 |



## STRIPPER RUBBER [F]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber for 4 ½", 5 ½", 7" | | |
| 1 ½" | 30961 | 1 |
| 2 ⅜" | 30962 | 1 |




## BODY [G]

| L-MS Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Male | 30150019 | 1 |
| 4 ½" 8RD Female | 30150250 | 1 |
| 5 ½" 8RD Male | 30150020 | 1 |
| 5 ½" 8RD Female | 30150251 | 1 |
| 7" 8RD Male | 30150021 | 1 |
| 7" 8RD Female | 30150252 | 1 |

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# TYPE L-SW TUBING HEAD

## 1,500 PSI Working Pressure

### L-SWS TUBING HEAD WITH STRIPPER RUBBER

- 1,500 PSI working pressure
- Adapter with O-Ring: 26.1 lbs
- Stripper Rubbers are not designed to withstand full pressure rating

### FEATURES:

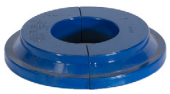
- Seamless steel Body
- Full opening bore on all sizes
- Hinged Slips segments with Snap Ring
- Stripper Rubber available
- Male or Female bottom connection available




| HEAD COMPLETE | | |
|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD |
| Bore (Inches) | Full | Full |
| Suspended String (Inches) | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞, 3 ½ |
| Max Slip Load Rating (lbs) | 65,000 | 65,000 |
| Cap Thread (Inches) | 6 ⅝ 6V | 6 ⅝ 6V |
| Cap Material | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel |
| Height (Inches) | 10 | 10 |
| Weight (lbs) | 78 | 74 |
| Packing Rubber OD | 5 ¾ | 5 ¾ |



| TOP CAP [A] | Part Number | QTY |
|---|---|---|
| L-SW Tubing Head 4 ½" & 5 ½" | 301080 | 1 |



| TOP PLATE [B] | | |
|---|---|---|
| L-SW Tubing Head 4 ½" & 5 ½" | Part Number | QTY |
| 1 ½" | 301092 | 1 |
| 2 ⅜" | 301093 | 1 |
| 2 ⅞" | 301094 | 1 |
| 3 ½" | 301086 | 1 |



| PACKING RUBBER [C] 5 ¾" OD | | |
|---|---|---|
| L-SW Tubing Head | Part Number | QTY |
| 1 ½" | 301095 | 1 |
| 2 ⅜" | 301096 | 1 |
| 2 ⅞" | 301097 | 1 |
| 3 ½" | 30152831 | 2 |



| BOTTOM PLATE [D] | | |
|---|---|---|
| L-SW Tubing Head | Part Number | QTY |
| 1 ½" | 301098 | 1 |
| 2 ⅜" | 301099 | 1 |
| 2 ⅞" | 301100 | 1 |
| 3 ½" | 301088 | 1 |



| SLIP ASSEMBLY AND SNAP RING [E] | | |
|---|---|---|
| L-SW Tubing Head | Part Number | QTY |
| 4 ½" 8R | | |
| 1 ½" | 30153406 | 1 |
| 2 ⅜" | 30153407 | 1 |
| 2 ⅞" | 30153408 | 1 |
| 5 ½" 8R | | |
| 1 ½" | 30153406 | 1 |
| 2 ⅜" | 30153407 | 1 |
| 2 ⅞" | 30153408 | 1 |
| 3 ½" (Only 5 ½" Body) | 30153418 | 1 |



| STRIPPER RUBBER [F] | | |
|---|---|---|
| L-SW Tubing Head | Part Number | QTY |
| 4 ½" 8RD & 5 ½" 8 RD | | |
| 1 ½" | 301108 | 1 |
| 2 ⅜" | 301109 | 1 |
| 2 ⅞" | 301110 | 1 |



| ADAPTER [G] | | |
|---|---|---|
| L-SWTubing Head | Part Number | QTY |
| O-Ring | 301107 | 1 |
| Stripper Rubber Adapter With O-Ring | 30154501 | 1 |




| BODY [H] | | |
|---|---|---|
| L-SW Tubing Head | Part Number | QTY |
| 4 ½" 8 RD Male | 30150005 | 1 |
| 4 ½" 8 RD Pemale | 30150260 | 1 |
| 5 ½" 8 RD Male | 30150006 | 1 |
| 5 ½" 8 RD Female | 30150261 | 1 |

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# TYPE L-S TUBING HEAD

## 1,500 PSI Working Pressure

### L-SS TUBING HEAD WITH STRIPPER RUBBER

- 1,500 PSI working pressure
- Adapter with O-Ring: 17 lbs
- Stripper Rubber for sizes available: 1, 1 ½, 2 1/16, 2 ⅜
- Stripper Rubbers are not designed to withstand full pressure rating.

### FEATURES:

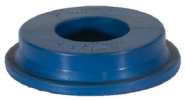
- Seamless steel Body
- Full bore 2 ⅜ through 4 ½ bodies
- Full 2 ¾ Slip length
- Hinged Slip segments with Snap Ring
- Stripper Rubber available in all sizes except 2 ⅞
- Male or Female bottom connection available




## HEAD COMPLETE

| Bottom Connection (Inches) | 2 ⅜ 8RD | 2 ⅞ 8RD | 3 ½ 8RD | 3 ½ 10RD MALE ONLY | 4 ½ 8RD | 5 ½ 8RD | 7 8RD |
|---|---|---|---|---|---|---|---|
| Bore (Inches) | Full | Full | Full | Full | Full | 4 | 4 |
| Suspended String (Inches) | 1, 1 ¼ | 1, 1 ¼, 1 ½, 2 1/16 | 1, 1 ¼, 1 ½, 2 1/16 | 1, 1 ¼, 1 ½, 2 1/16 | 1, 1 ¼, 1 ½, 2 1/16, 2 ⅜, 2 ⅞ | 1, 1 ¼, 1 ½, 2 1/16, 2 ⅜, 2 ⅞ | 1, 1 ¼, 1 ½, 2 1/16, 2 ⅜, 2 ⅞ |
| Max slip load rating (lbs) | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 |
| Cap thread (Inches) | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD | 5 ½ 8RD |
| Cap material | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron | Ductile Iron |
| Body material | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 10 | 10 | 10 | 10 | 9 | 10 | 11 |
| Weight (lbs) | 51 | 48 | 46 | 46 | 46 | 47 | 57 |
| Packing Rubber OD | 4 ⅝ | 4 ⅝ | 4 ⅝ | 4 ⅝ | 4 ⅝ | 4 ⅝ | 4 ⅝ |







### TOP CAP [A]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| | 30944 | 1 |

### TOP PLATE [B]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| 1" | 301010 | 1 |
| 1 ¼" | 301013 | 1 |
| 1 ½ | 30945 | 1 |
| 2 1/16" | 301016 | 1 |
| 2 ⅜" | 30948 | 1 |
| 2 ⅞" | 30951 | 1 |

### PACKING RUBBER [C] 4 ⅝" OD

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| 1" | 301011 | 1 |
| 1 ¼" | 30152759 | 2 |
| 1 ½ | 30152761 | 2 |
| 2 1/16" | 301017 | 1 |
| 2 ⅜" | 30152762 | 2 |
| 2 ⅞" | 30952 | 1 |

LOWERY™



## SLIP ASSEMBLY AND SNAP RING [D]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| Slip | | |
| 2 ⅜" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 2 ⅞" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 3 ½" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 2 ⅜" | 30153435 | 1 |
| 3 ½" 10RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 2 ⅜" | 30153435 | 1 |
| 4 ½" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 2 ⅜" | 30153435 | 1 |
| 2 ⅞" | 30153436 | 1 |
| 5 ½" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 2 ⅜" | 30153435 | 1 |
| 2 ⅞" | 30153436 | 1 |
| 7 ½" 8RD Body | | |
| 1" | 30153428 | 1 |
| 1 ¼" | 30153430 | 1 |
| 1 ½" | 30153432 | 1 |
| 2 ⅛" | 30153434 | 1 |
| 2 ⅜" | 30153435 | 1 |
| 2 ½" | 30153436 | 1 |



## ADAPTER [E]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber Adapter with O-Ring | 30154506 | 1 |
| O-Ring | 30957 | 1 |




## BODY [G]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| 2 ⅜" 8RD Male | 30150022 | 1 |
| 2 ⅜" 8RD Female | 30150253 | 1 |
| 2 ⅞" 8RD Male | 30150023 | 1 |
| 2 ⅞" 8RD Female | 30150254 | 1 |
| 3 ½" 8RD Male | 30150024 | 1 |
| 3 ½" 8RD Female | 30150255 | 1 |
| 3 ½" 10RD Male | 30150025 | 1 |
| 7" 8RD Male | 30150 028 | 1 |
| 7" 8RD Female | 30150259 | 1 |
| 4 ½" 8RD Male | 30150026 | 1 |
| 4 ½" 8RD Female | 30150256 | 1 |
| 5 ½" 8RD Male | 30150027 | 1 |
| 5 ½" 8RD Female | 30150257 | 1 |



## STRIPPER RUBBER [F]

| L-S Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber | | |
| 4 ½" 8RD | | |
| 1" | 301019 | 1 |
| 1 ½" | 30961 | 1 |
| 2 ⅛" | 30961 | 1 |
| 2 ⅜" | 30962 | 1 |
| 5 ½" 8RD | | |
| 1" | 301019 | 1 |
| 1 ½" | 30961 | 1 |
| 2 ⅛" | 30961 | 1 |
| 2 ⅜" | 30962 | 1 |
| 7" 8RD | | |
| 1" | 301019 | 1 |
| 1 ½" | 30961 | 1 |
| 2 ⅛" | 30961 | 1 |
| 2 ⅜" | 30962 | 1 |

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# TYPE L-HW TUBING HEAD

## 2,000 PSI Working Pressure

### L-HWS TUBING HEAD WITH STRIPPER RUBBER

- 2,000 PSI working pressure
- Adapter with O-Ring: 52.6 lbs
- Stripper Rubbers available in 2 ⅜, 2 ⅞
- Stripper Rubbers are not designed to withstand full pressure rating.

### FEATURES:

- Seamless steel Body
- Full opening bore on all sizes
- Hinged Slips with Snap Ring
- Stripper Rubber available
- Male or Female bottom connection available

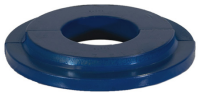



| HEAD COMPLETE | | | |
|---|---|---|---|
| Bottom Connection (Inches) | 4 ½ 8RD | 5 ½ 8RD | 7 8RD FEMALE ONLY |
| Bore (Inches) | Full | Full | Full |
| Suspended String (Inches) | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞ | 2 ⅜, 2 ⅞ |
| Max Slip Load Rating (lbs) | 80,000 | 80,000 | 80,000 |
| Cap Thread (Inches) | 8 ¼ 6V | 8 ¼ 6V | 8 ¼ 6V |
| Cap Material | Ductile Iron | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel | Carbon Steel |
| Height (Inches) | 12 | 12 | 12 |
| Weight (lbs) | 117 | 112 | 120 |
| Packing Rubber OD | 7 ¼ | 7 ¼ | 7 ¼ |



## TOP CAP [A]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| | 301126 | 1 |



## TOP PLATE [B]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 2 ⅜" | 301127 | 1 |
| 2 ⅞" | 301130 | 1 |



## PACKING RUBBER [C] 7 ¼" OD

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 2 ⅜" | 30773 | 1 |
| 2 ⅞" | 30774 | 1 |



## BOTTOM PLATE [D]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 2 ⅜" | 30781 | 1 |
| 2 ⅞" | 30782 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Body | | |
| 2 ⅜" | 30153439 | 1 |
| 2 ⅞" | 30153440 | 1 |
| 5 ½" 8RD Body | | |
| 2 ⅜" | 30153439 | 1 |
| 2 ⅞" | 30153440 | 1 |
| 7" 8 RD Body | | |
| 2 ⅜" | 30153439 | 1 |
| 2 ⅞" | 30153440 | 1 |



## SLIP BOWL [F]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| | 301133 | 1 |



## ADAPTER [G]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| Stripper Rubber Adapter with O-Ring | 30154508 | 1 |
| O-Ring | 3052 | 1 |



## STRIPPER RUBBER [H]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Body | | |
| 2 ⅜" | 301136 | 1 |
| 2 ⅞" | 301137 | 1 |
| 5 ½" 8RD Body | | |
| 2 ⅜" | 301136 | 1 |
| 2 ⅞" | 301137 | 1 |
| 7" 8 RD Body | | |
| 2 ⅜" | 301136 | 1 |
| 2 ⅞" | 301137 | 1 |




## BODY [I]

| L-HW Tubing Head | Part Number | QTY |
|---|---|---|
| 4 ½" 8RD Male | 30150036 | 1 |
| 4 ½" 8RD Female | 30150273 | 1 |
| 5 ½" 8RD Male | 30150037 | 1 |
| 5 ½" 8RD Female | 30150274 | 1 |
| 7" 8RD Female | 30150275 | 1 |

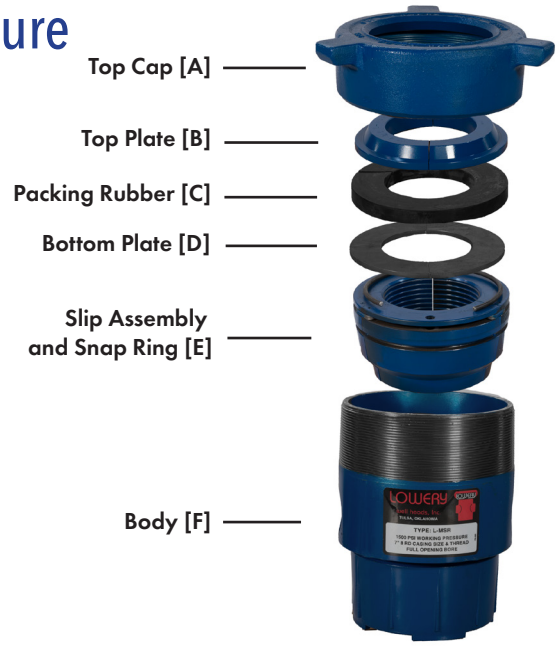
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# TYPE L-MSR CASING HEAD

## 1,500 & 2,000 PSI Working Pressure

### FEATURES:

- Full opening bore on 7" body
- 8RD API top thread body
- Hinged Slips with Snap Ring
- Large diameter Top Cap with hammer lugs
- Male, Female, or Slip Joint bottom connection available




| HEAD COMPLETE 1,500 PSI | | |
|---|---|---|
| Bottom Connection (Inches) | 7 | 8 ⅝ |
| Bore (Inches) | Full | 6 ⅞ |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½ |
| Max Slip Load Rating (lbs) | 90,000 | 90,000 |
| Cap Thread (Inches) | 8 ⅝ 8RD | 8 ⅝ 8RD |
| Cap Material | Ductile Iron | Ductile Iron |
| Body Material | Carbon Steel | Carbon Steel |
| Height (Inches) | 11 ½ | 11 ½ |
| Weight (lbs) | 97 | 106 |

| HEAD COMPLETE 2,000 PSI | | |
|---|---|---|
| Bottom Connection (Inches) | 7 | 8 ⅝ |
| Bore (Inches) | Full | 6 ⅞ |
| Suspended String (Inches) | 4 ½, 5 ½ | 4 ½, 5 ½ |
| Max Slip Load Rating (lbs) | 90,000 lbs. | 90,000 lbs. |
| Cap Thread (Inches) | 8 ⅝ 8RD | 8 ⅝ 8RD |
| Cap Material | Ductile Iron | Ductile Iron |



## TOP CAP [A]

| Top Cap for 1500 PSI | Part Number | QTY |
|---|---|---|
| 7" 8RD | 30924 | 1 |
| 8 ⅝" 8RD | 30924 | 1 |
| **Top Cap for 2000 PSI** | **Part Number** | **QTY** |
| 7" 8RD | 3044 | 1 |
| 8 ⅝" 8RD | 3044 | 1 |



## TOP PLATE [B]

| Top Plate for 1500 & 2000 PSI | Part Number | QTY |
|---|---|---|
| 4 ½" | 30925 | 1 |
| 5 ½" | 30929 | 1 |



## PACKING RUBBER [C] 7 ¾" OD

| Packing Rubber for 1500 & 2000 PSI | Part Number | QTY |
|---|---|---|
| 4 ½" | 30926 | 1 |
| 5 ½" | 30930 | 1 |



## BOTTOM PLATE [D]

| Bottom Plate for 1500 & 2000 PSI | Part Number | QTY |
|---|---|---|
| 4 ½" | 30927 | 1 |
| 5 ½" | 90931 | 1 |



## SLIP ASSEMBLY AND SNAP RING [E]

| Slip Assembly & Snap Ring for 1500 & 2000PSI | Part Number | QTY |
|---|---|---|
| 7" 8RD Body | | |
| 4 ½" | 30153464 | 1 |
| 5 ½" | 30153465 | 1 |
| 8 ⅝" 8RD Body | | |
| 4 ½" | 30153464 | 1 |
| 5 ½" | 30153465 | 1 |




## BODY [F]

| Body for 1500 & 2000 PSI | Part Number | QTY |
|---|---|---|
| 7" 8RD Male | 30150756 | 1 |
| 7" 8RD Female | 30151004 | 1 |
| 7" 8RD Slip Joint | 30151253 | 1 |
| 8 ⅝" 8RD Male | 30150757 | 1 |
| 8 ⅝" 8RD Female | 30151006 | 1 |
| 8 ⅝" 8RD Slip Joint | 30151255 | 1 |

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# Wellhead Accessories and Flanges

# SLIP JOINT BELLED NIPPLES




4 ½ 8RD Thread




5 ½ 8RD Thread




7 8RD Thread




8 ⅝ 8RD Thread




9 ⅝ 8RD Thread



4 ½ 8RD Thread




5 ½ 8RD Thread




4 ½ 8RD Thread




5 ½ 8RD Thread

## Schedule N-80 Standard
## 8 RD Thread is Standard

| CASING SIZE (INCHES) | PART NUMBER | WT. (LBS) |
|---|---|---|
| 4 ½ 8RD Thread | 30102550 | 7 |
| 5 ½ 8RD Thread | 30102551 | 11 |
| 7 8RD Thread | 30102552 | 13 |
| 8 ⅝ 8RD Thread | 30102553 | 18 |
| 9 ⅝ 8RD Thread | 30102554 | 32 |

## Schedule J-55

| CASING SIZE (INCHES) | PART NUMBER | WT. (LBS) |
|---|---|---|
| 4 ½ 8RD Thread | 30292055 | 6 |
| 5 ½ 8RD Thread | 30293055 | 7 |

## Slip Couplings

| CASING SIZE (INCHES) | PART NUMBER | WT. (LBS) |
|---|---|---|
| 4 ½ 8RD Thread | 30569 | 7 |
| 5 ½ 8RD Thread | 30570 | 9.6 |
| 7 8RD Thread | 30571 | 19.4 |
| 8 5/8 8RD Thread | 30572 | 27 |

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# FITTINGS



Bull Plug



Bull Plug

| BULL PLUGS | PART NUMBER |
|---|---|
| 2 ⅞" 8RD, XH, ½" NPT Tapped End | 302120 |
| 2 ⅜" 8RD, XH, ½" NPT Tapped End | 302136 |
| 2 ⅞" 8RD, XXH | 302216 |
| 2 ⅜" 8RD, XXH, ½" NPT Tapped End | 302221 |
| 3 ½" 8RD, XXH, ½" NPT Tapped End | 302180 |
| 4 ½" 8RD, STD(S40), ½" NPT Tapped End | 302095 |
| 2 ⅞" 8RD, XH | 30645 |
| 3 ½" 8RD, XH | 302089 |
| 2 ¾" 8RD, XH | 30644 |
| 2 ¾" 8RD | 302079 |
| 2", 11½ | 302080 |
| 2 ⅜" 8RD, XXH | 302132 |
| 2 ⅜" 8RD, ½" NPT Tapped End | 302136 |
| 2 ⅞" 8R, ½" NPT Tapped End | 302137 |
| 2 ⅞" 8R | 302078 |
| 2 ⅜" 8RD, XXH, ½" NPT Tapped End | 302133 |

| COUPLINGS | PART NUMBER |
|---|---|
| 2 ⅜" 8RD F x 2 ⅞" 8RD F, STD(S40) | 302090 |



Nipple



Nipple



Nipple

| NIPPLES | PART NUMBER |
|---|---|
| 2 ⅞" 8RD M x 2 ⅜" 8RD M STD(S40) x 8" | 302087 |
| 2 ⅞" 8RD M x 2 ⅜" 8RD M S40 x 6", 3000psi WP | 302091 |
| 2 ⅜" 8RD M x 2" 11 ½ M S40 x 6" | 302065 |
| 2 ⅞" 8RD M x 2" 11 ½ M XH(S80) x 6" | 302061 |
| 2 ⅞" 8RD M x2" 11 ½ M S40 x 6" | 302060 |
| 2 ⅞" 8RD M x 2 ⅞" 8RD M S40 x 6", 3000psi WP | 301532 |
| 2 ⅞" 8RD M x 2 ⅞" 8RD M XH(S80) x 8" | 302181 |
| 2 ⅞" 8RD M x 2-⅜" 8RD M XH(S80) x 6" | 302121 |
| 2 ⅜" 8RD M x 2" 11 ½ M XH(S80) x 6" | 302084 |
| 2 ⅞" 8RD M x 2" 11 ½ M XH(S80) x 8" | 302081 |
| 3 ½" 8RD M x 2" 11 ½V M XH(S80) x 8" | 302088 |
| 2 ⅞" 8RD M x 2 ⅜" 8RD M S40 x 6" | 302164 |
| 3 ½" 8R M x 3" 8V M S40 x 8" | 302082 |
| 3" 8V M x 2 ⅞" 8RD M S40 x 8" | 302075 |
| 3" 8V M x 2 ⅞" 8RD M XH(S80) x 8" | 302076 |
| 3" 8V M x 2 ⅜" 8RD M S40 x 8" | 302063 |
| 3" 8V M x 2 ⅜" 8RD M XH(S80) x 8" | 302064 |
| 2 ⅞" 8RD M x 2 ⅜" 8RD M S40 x 6" | 302062 |
| 2 ⅜" 8RD M x 2 ⅜" 8RD M S40 x 6", 3000psi WP | 302092 |
| 3 ½" 8V M x 2" 8RD M S40 x 8" | 302063 |
| 2 ⅞" 8RD M x 2 ⅞" 8RD M x 6" XH | 302146 |

# CASING SUPPORTS

## FEATURES:

- Short compact design
- Shouldered seats to centralize support body on surface strings
- Body will fit either pipe or coupling
- Hinged slips with handles




| CASING SIZE OF COUPLING (INCHES) | SUSPENDED STRING SIZE (INCHES) |
|---|---|
| 7 through 8 ⅝ | 2 ⅜, 2 ⅞, 3 ½ |
| 7 through 8 ⅝ | 4 ½, 5 ½ |
| 8 ⅝ through 10 ¾ | 4 ½, 5 ½ |
| 8 ⅝ through 10 ¾ | 7 |

| CASING SIZE | COMPLETE ASSEMBLY PART NUMBER | SLIP WITH HANDLES ONLY PART NUMBER |
|---|---|---|
| 7" thru 8 ⅝" | | |
| Slips | | |
| 2 ⅜" | 30204290 | 30154250 |
| 2 ⅞" | 30204291 | 30154251 |
| 3 ½" | 30204292 | 30154252 |
| 4 ½" | 30204293 | 30154253 |
| 5 ½" | 30204294 | 30154254 |
| 8 ⅝" thru 10 ¾" | | |
| Slips | | |
| 4 ½" | 30204295 | 30154257 |
| 5 ½" | 30204296 | 30154258 |
| 7" | 30204297 | 30154259 |

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# FLANGES

## 612 Flanges Features:

- 7 1⁄16 Bore Size
- 612 Package parts in 2 3⁄8, 2 7⁄8, 3 1⁄2 inches
- Available in 2M, 3M, 5M, or 10M
- 2M/3M Double drilled
- Utilizes L-R slips
- Custom sizes available



| FLANGE ONLY | PART NUMBER | QTY |
|---|---|---|
| 7 1⁄16" 2000 - 3000 Psi lowery slip type (612) adapter flange only | 302004 | 1 |
| 7 1⁄16" 2000--3000 (6"600-900) Flange & body for (612) 3 1⁄2" slip type hanger flange | 301971 | 1 |
| 7 1⁄16" 3000 Psi lowery slip type (612) adapter flange only | 302165 | 1 |
| 7 1⁄16" 3m flange for (612) 3 1⁄2" slip type hanger flange | 302179 | 1 |
| 7 1⁄16" 5m lowery slip type (612) adapter flange only | 301995 | 1 |
| 7 1⁄16" 5m flange for (612) 3 1⁄2" slip type hanger flange | 302074 | 1 |
| 7 1⁄16" 5m lowery slip type (612) adapter flange only with 1⁄2" npt port | 302217 | 1 |
| 7 1⁄16" 10m lowery slip type (612) adapter flange only | 301959 | 1 |
| 7 1⁄16" 10m flange for (612) 3 1⁄2" slip type hanger flange | 302025 | 1 |
| 7 1⁄16" 10m lowery slip type (612) adapter flange only with 1⁄2" npt hole | 302128 | 1 |

| COMPLETE ASSEMBLY | PART NUMBER | QTY |
|---|---|---|
| 7 1⁄16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 2 1⁄8" Lowery Slip Type (612) Hanger Flange Assembly | 30102426 | 1 |
| 7 1⁄16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 2 7⁄8" Lowery Slip Type (612) Hanger Flange Assembly | 30102423 | 1 |
| 7 1⁄16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 3 1⁄2" Lowery Slip Type (612) Hanger Flange Assembly | 20102417 | 1 |
| 7 1⁄16" 3M PSI W / P ( 900 # ) RTJ X 2 1⁄8" Lowery Slip Type (612) Hanger Flange Assembly | 30102448 | 1 |
| 7 1⁄16" 3M PSI W / P ( 900 # ) RTJ X 2 7⁄8" Lowery Slip Type (612) Hanger Flange Assembly | 30102447 | 1 |
| 7 1⁄16" 3M PSI W / P ( 900 # ) RTJ X 3 1⁄2" Lowery Slip Type (612) Hanger Flange Assembly | 30102449 | 1 |
| 7 1⁄16" 5M X 2 3⁄8" Lowery Slip Type (612) Adapter Flange Assembly | 30102421 | 1 |
| 7 1⁄16" 5M X 2 7⁄8" Lowery Slip Type (612) Adapter Flange Assembly | 30102420 | 1 |
| 7 1⁄16" 5M X 3 1⁄2" Lowery Slip Type (612) Adapter Flange Assembly | 30102433 | 1 |
| 7 1⁄16" 5M X 2 7⁄8" Lowery Slip Type (612) Adapter Flange Assembly With 1⁄2" NPT Port | 30102451 | 1 |
| 7 1⁄16" 10M X 2 3⁄8" Lowery Slip Type (612) Adapter Flange Assembly | 30102418 | 1 |
| 7 1⁄16" 10M X 2 7⁄8" Lowery Slip Type (612) Adapter Flange Assembly | 30102415 | 1 |
| 7 1⁄16" 10M X 3 1⁄2" Lowery Slip Type (612) Adapter Flange Assembly | 30102425 | 1 |
| 7 1⁄16" 10M X 2 7⁄8" Lowery Slip Type (612) Adapter Flange Assembly With 1⁄2" NPT Hole | 30102446 | 1 |

| PARTS | PART NUMBER | QTY |
|---|---|---|
| Ring | | |
| 2 3⁄8" & 2 7⁄8" | 301895 | 1 |
| 3 1⁄2" | 301972 | 1 |
| Top Plate | | |
| 2 3⁄8" | 301896 | 1 |
| 2 7⁄8" | 301897 | 1 |
| 3 1⁄2" | 301961 | 1 |
| Packing Rubber | | |
| 2 3⁄8" | 301898 | 1 |
| 2 7⁄8" | 301899 | 1 |
| 3 1⁄2" | 301960 | |
| Bottom Plate | | |
| 2 3⁄8" | 301900 | 1 |
| 2 7⁄8" | 301901 | 1 |
| 3 1⁄2" | 301962 | 1 |
| Slip | | |
| 2 3⁄8" | 30102861 | 1 |
| 2 7⁄8" | 30102862 | 1 |
| 3 1⁄2" | 30102864 | 1 |
| Bolts Grade 5 | | |
| 5⁄8" X 2 1⁄4" | 301902 | 8 |

# FLANGES



## Standard KTH Flange Features:

- 7 1/16 Bore size
- L-SW Package parts in 2 3/8, 2 7/8, 3 1/2 inches
- 2M/3M Double drilled

| COMPLETE ASSEMBLY | PART NUMBER | QTY |
|---|---|---|
| 7 1/16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 2 3/8" Lowery Slip Type Hanger Flange Assembly | 30102434 | 1 |
| 7 1/16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 2 7/8" Lowery Slip Type Hanger Flange Assembly | 30102435 | 1 |
| 7 1/16" 2M/3M PSI W / P ( 6" 600--- 900 # ) RTJ X 3 1/2" Lowery Slip Type Hanger Flange Assembly | 30102436 | 1 |

| PART | PART NUMBER | QTY |
|---|---|---|
| Flange Only | 302083 | 1 |
| Ring | 301360 | 1 |
| **Top Plate** | | |
| 2 3/8" | 301093 | 1 |
| 2 7/8" | 301094 | 1 |
| 3 1/2" | 301086 | 1 |
| **Packing Rubber** | | |
| 2 3/8" | 301096 | 1 |
| 2 7/8" | 301097 | 1 |
| 3 1/2" | 30152831 | 2 |
| **Bottom Plate** | | |
| 2 3/8" | 301099 | 1 |
| 2 7/8" | 301100 | 1 |
| 3 1/2" | 301088 | 1 |
| **Slip** | | |
| 2 3/8" | 30153407 | 1 |
| 2 7/8" | 30153408 | 1 |
| 3 1/2" | 30153412 | 1 |
| **Bolts** | | |
| 5/8" X 2 1/4" | 305178 | 8 |

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# FLANGES

## B-1 Type Hanger Flange Features:

- Flange Size
- 7 1⁄16
- Tubing size is 2 3⁄8, 2 7⁄8, or 3 inch thread
- Available in 2M/3M, 5M, or 10 M
- One piece, no weld
- Custom Sizes Available



| DESCRIPTION | PART NUMBER |
|---|---|
| 7 1/16" 2M/3M PSI Lowery Threaded Type Hgr Flange, With 2 3/8" 8 Rd Top & Bottom Thread, With R-45 Ring Joint Groove | 30102437 |
| 7 1/16" 2M/3M PSI Lowery Threaded Type Hgr Flange, With 2 7/8" 8 Rd Top & Bottom Thread, With R-45 Ring Joint Groove | 30102438 |
| 7 1/16" 2M/3M PSI Lowery Threaded Type Hgr Flange, With 3 1/2" 8 Rd Top & Bottom Thread, With R-45 Ring Joint Groove | 30102450 |
| 7 1/16" 3M PSI W / P Lowery Threaded Type Hanger Flange, With 2 3/8" 8 Rd Eue Male Top Thread X 2 3/8" 8 Rd Eue Female Bottom Thread, With R-45 Ring Joint Groove | 30102375 |
| 7 1/16" 3M PSI W / P Lowery Threaded Type Hanger Flange, With 2 7/8" 8 Rd Eue Male Top Thread X 2 7/8" 8 Rd Eue Female Bottom Thread, With R-45 Ring Joint Groove | 30102376 |
| 7 1/16" 3M PSI Lowery Threaded Type Hanger Flange, With 3 1/2" 8 Rd Top & Bottom Thread, With R-45 Ring Joint Groove | 30102445 |
| 7 1/16" 5M PSI W / P Lowery Threaded Type Hanger Flange, With 2 3/8" 8 Rd Eue Male Top Thread X 2 3/8" 8 Rd Eue Female Bottom Thread, With R-46 Ring Joint Groove | 30102307 |
| 7 1/16" 5M PSI W / P Lowery Threaded Type Hanger Flange, With 2 7/8" 8 Rd Eue Male Top Thread X 2 7/8" 8 Rd Eue Female Bottom Thread, With R-46 Ring Joint Groove | 30102282 |
| 7 1/16" 5M PSI W / P Lowery Threaded Type Hanger Flange, With 3 1/2" 8 Rd Eue Male Top Thread X 3 1/2" 8 Rd Eue Female Bottom Thread, With R-46 Ring Joint Groove | 30102299 |
| 7 1/16" 5M PSI Lowery Threaded Type Hgr Flange, With 2 7/8" 8 Rd Top & Bottom Thread, With Rx-46 Ring Joint Groove, Also W/1/2" NPT Tapped Hole Top & Bottom | 30102431 |
| 7 1/16" 10M PSI Lowery Threaded Type Hgr Flange, With 2 3/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove | 30102422 |
| 7 1/16" 10M PSI Lowery Threaded Type Hgr Flange, With 2 7/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove | 30102419 |
| 7 1/16" 10M PSI Lowery Threaded Type Hgr Flange, With 2 3/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove, Also W/1/2" NPT Tapped Hole Top & Bottom | 30102429 |
| 7 1/16" 10M PSI Lowery Threaded Type Hgr Flange, With 2 7/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove, Also W/ 1/2" NPT Tapped Hole Top & Bottom | 30102428 |
| 7 1/16" 15M PSI Lowery Threaded Type Hgr Flange, With 2 3/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove | 30102439 |
| 7 1/16" 15M PSI Lowery Threaded Type Hgr Flange, With 2 7/8" 8 Rd Top & Bottom Thread, With Bx-156 Ring Joint Groove | 30102440 |

# THREADED FLANGES



## Drilling Flange/BOP Adapter Flange Features:

- 2M/3M Double drilled
- 5M Available
- One Piece, no weld
- API Flanges available and/or non-API flanges available (1" stand-off)

| DESCRIPTION | PART NUMBER | O-RING |
|---|---|---|
| 7 1/16"2000- 3000# ( 6 " 600- 900 ) X 6 9/16" 6 V Female RTJ Lowery B.O.P. Adapter Flange L-SW | 30102270 | 301107 |
| 7 1/16"2000- 3000# ( 6 " 600- 900 ) X 7 5/8 8R API Mod Female RTJ Lowery B.O.P. Adapter Flange L-K | 30102303 | 30744 |
| 7 1/16" 5M X 7 5/8" 8 Rd API Mod Female RTJ Lowery B.O.P. Adapter Flange L-K | 30102310 | 30744 |
| 7 1/16" 2000 - 3000# ( 6" 600-- 900#) X 7" 8 Rd API Female RTJ Lowery B.O.P. Adapter Flange L-HB 4 ½" & 5 ½" | 30102297 | 303042 |
| 7 1/16"2000- 3000# 6" 600-900 RTJ X 5 ½" 8R Lowery B.O.P. Adapter Flange L-S | 30102298 | 30957 |
| 7 1/16" 2000--3000# 6" 600--900 X 8 5/8" 8 Rd Female API RTJ Lowery B.O.P. Adapter Flange L-HB 7", L-A7 & L-SO | 30102292 | 303052 |
| 7 1/16" 5M X 8 5/8" 8 Rd Female API RTJ Lowery B.O.P. Adapter Flange L-HB 7", L-A7 & L-SO | 30102309 | 303052 |
| 7 1/16" 2000 -3000# 6" 600-- 900 X 8 ¼" 6 V Female RTJ Lowery B.O.P. Adapter Flange L-HW | 30102253 | 303052 |
| 7 1/16" 2000 -3000# 6" 600--900 X 8 5/8" 8 Rd API Mod Female RTJ Lowery B.O.P. Adapter Flange L-R | 30102300 | 303052 |
| 7 1/16" 5M X 8 5/8" 8 Rd API Mod Female RTJ Lowery B.O.P. Adapter Flange L-R | 30102301 | 303052 |
| 11" 2000# -3000# ( 10" 600--900 ) X 10 ¾" 8 Rd API Modified Female RTJ Lowery B.O.P. Adapter Flange 8 5/8" L-92 With ¼" Dia. O-Ring | 30102259 | 301500 |
| 11" 2000# -3000# ( 10" 600--900 ) X 11 ¾" 8 Rd API Modified Female RTJ Lowery B.O.P. Adapter Flange 9 5/8" L-92 With ¼" Dia. O-Ring | 30102275 | 301726 |
| 11" 2000# -3000# ( 10" 600--900 ) X 10 ¾" 8 Rd Female API RTJ Lowery B.O.P. Adapter Flange 8 5/8" -10 ¾" L-ECA & 8 5/8" L-CJ With ¼" Dia. O-Ring | 30102276 | 301500 |
| 11" 2000# -3000# ( 10" 600--900 ) X 11 ¾" 8 Rd Female API RTJ Lowery B.O.P. Adapter Flange 9 5/8" -11 ¾" L-CJ With 3/16" Dia O-Ring | 30102260 | 301575 |

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# SEATING NIPPLES

Seating nipples are a completion component fabricated as a short section of heavy wall tubular with a reduced bore smaller than the Tubing ID. They prevent flow control tools from passing through and are available for single or dual completions.



Part Number: 113009
2.87 x 8 inch
Seating Nipple
2.28" ID



Part Number: 113009
2.87 x 12 inch
Seating Nipple
2.28" ID



Part Number:113000
2 ⅜" x 8"
Seating Nipple
1.78" ID



Part Number: 113001
2 ⅜" x 12"
Seating Nipple
1.78" ID

## SEATING NIPPLE OPTIONS AND TUBING THREADS

| Nominal Pipe Size | THREAD | OD | ID* |
|---|---|---|---|
| 2" | API UPSET | 2.594 | 1.780 |
| 2 ½" | UPSET | 3.094 | 2.250 |
| 2 ½" | API UPSET | 3.094 | 2.280 |
| *I.D. +.010 | | | |
| *I.D. -.000 | | | |

**SPECIFY LENGTH WHEN ORDERING**



# Rod Accessories

# PUMPING TEES

Ductile Iron construction, 3000 PSI rated, multiple thread combinations, and 1" NPT standard bleeder port available on all models.

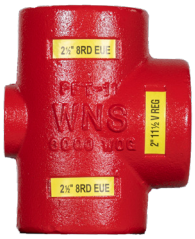
## Notes:

- Pumping Flow Tee has a 1" NPT minor side outlets for bleeder ports unless specified otherwise. Bleeder can be left blank.
- Last thread in each series is the major side outlet.
- Light weight Tee's available upon request, please consult factory for pricing

**WNS Lowery Coating:** Call for pricing.




120601




120801




120901




121001




121102




121105

| 3000# WORKING PRESSURE (INCHES) | PART NUMBER | WEIGHT (LBS) |
|---|---|---|
| 2 ⅜ 8RD x 2 ⅜ 8RD x 2 11 ½V | 120601 | 9 |
| 2 ⅜ 8RD x 2 11 ½V x 2 11 ½V | 120602 | 9 |
| 2 11 ½V x 2 11 ½V x 2 11 ½V | 120701 | 9 |
| 2 ⅞ 8RD x 2 ⅞ 8RD x 2 11 ½V | 120801 | 13 |
| 2 ⅞ 8RD x 2 ½ 11 ½V x 2 11 ½V | 120802 | 13 |
| 2 ⅞ 8RD x 2 ½ 8V x 2 11 ½V | 120803 | 13 |
| 2 ⅞ 8RD x 2 ⅜ 8RD x 2 11 ½V | 120804 | 13 |
| 2 ⅞ 8RD x 2 ⅞ 8RD x 2 ½ 8V | 120805 | 13 |
| 2 ⅞ 8RD x 2 ⅞ 8V x 2 ½ 8V | 120806 | 13 |
| 2 ⅞ 8RD x 2 ⅞ 8RD x 3 8V | 120807 | 20 |
| 2 ⅞ 8RD x 2 ½ 11 ½V x 3 8V | 120808 | 20 |
| 2 ⅞ 8RD x 2 ½ 8V x 3 8V | 120809 | 20 |
| 2 ⅞ 8RD x3 8V x 3 8V | 120810 | 18 |
| 2 ⅞ 8RD x3 8V x 2 11 ½V | 120811 | 20 |
| 3 8RD x 3 8RD x 3 8V | 120901 | 18 |
| 3 8RD x 3 8V x 3 8V | 120902 | 18 |
| 3 8RD x 3 8RD x 2 11 ½V | 120903 | 20 |
| 3 8RD x 2 ⅞ 8RD x 3 8V | 120905 | 20 |
| 3 8V x 3 8V x 3 8V | 120921 | 18 |
| 3 8V x 3 8V x 2 11 ½V | 120922 | 20 |
| 2 ⅜ 8RD Male x 2 ⅜ 8RD x 2 11 ½V | 121001 | 7 |
| 2 ⅜ 8RD Male x 2 11 ½V x 2 11 ½V | 121002 | 7 |
| 2 ⅞ 8RD Male x 2 ⅞ 8RD x 2 11 ½V | 121101 | 10 |
| 2 ⅞ *RD Male x 2 ½ 11 ½V x 2 11 ½V | 121102 | 10 |
| 2 ⅞ 8RD Male x 2 ½ 8V x 2 11 ½V | 121104 | 10 |
| 2 ⅞ 8RD Male x 3 8V x 2 11 ½V | 121105 | 10 |

# ROD LUBRICATOR

The Series PRL polished rod lubricator provides lubrication to polished rods reducing friction heat and rod damage while extending the life of stuffing box and packing rubbers. Its simple, cost effective design mounts on top of the stuffing box with ease due to its clam shell design. The Series PRL features felt wicks (available in various rod sizes) and two tie-down chains.

## Application

Mounts on top of stuffing box with ease due to its clamshell design. It also provides lubrication to polished rods thus reducing friction heat.

The WNS Series PRL is a simple, cost-effective solution to reduce damage to polished rods and extend life of stuffing box and packing rubbers.

## Features

- Rugged design made of cast aluminum
- Simple installation, mounts to any stuffing box
- Identical box sides, spring/pin can be used on both sides
- Comes with two chain tie downs and hardware
- Utilized industry standard works
- Multiple wick sizes available to fit polished rods

## Specification

- One quart capacity
- Dimensions: 5.50 (H); 6.50 (W)
- Wick Sizes: 1-1 ¾




## How to Order

| | PRL W/ WICKS | WICKS ONLY |
|---|---|---|
| Lubricator PRL Less Wicks | 112900 | N/A |
| Lubricator PRL w/ 1 Wicks | 112901 | 160011 |
| Lubricator PRL w/ 1- 1 ⅛ Wicks | 112902 | 160012 |
| Lubricator PRL w/ 1-1 ¼ Wicks | 112903 | 160013 |
| Lubricator PRL w/ 1-1 ⅜ Wicks | 112904 | 160014 |
| Lubricator PRL w/ 1-1 ⅜ Wicks | 112905 | 160015 |
| Lubricator PRL w/ 1- 1 7/16 Wicks | 112906 | 160016 |
| Lubricator PRL w/ 1-1 ½ Wicks | 112907 | 160017 |
| Lubricator PRL w/ 1-1 ¾ Wicks | 112908 | 160018 |

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# POLISHED ROD CLAMPS

Rod clamps bare the weight of the rod string and act as a connecting device between the polished rod and carrier bar. At WNS Lowery, we offer premium forged clamps in both indention style (1-, 2- & 3-bolt) and friction style (1- & 2-bolt).

## Grade 8 Bolts are used

CAUTION: All models can only be used on piston-steel polished rods. Rod clamps are not capable of gripping the spraymetal section of "hardfaced" or "hardcoated" polished rods. Installation of rod clamps on the spraymetal portion of a hardfaced/hardcoated polished rod may cause the hardcoating.


Series 25


Series 40


Series 10T


Series 10S


Series 10D

| SPECIFICATIONS | SERIES 10S | SERIES 10D | SERIES 10T | SERIES 25 | SERIES 40 |
|---|---|---|---|---|---|
| Rated Load (lbs) | 13,000 | 26,000 | 40,000 | 25,000 | 40,000 |
| Polished Rod Size (Inches) | 1, 1 ⅛, 1 ¼, 1 5⁄16, 1 ⅜, 1 ½, 1 ¾ | 1, 1 ⅛, 1 ¼, 1 5⁄16, 1 ⅜, 1 ½, 1 ¾ | 1, 1 ⅛, 1 ¼, 1 5⁄16, 1 ⅜, 1 ½, 1 ¾ | 1, 1 ⅛, 1 ¼, 1 5⁄16, 1 ⅜, 1 ½, 1 ¾ | 1, 1 ⅛, 1 ¼, 1 5⁄16, 1 ⅜, 1 ½, 1 ¾ |
| Weight (lbs) | 4 | 8 | 11 | 10 | 24 |
| Height (Inches) | 2 ½ | 5 | 7 ½ | 4 ⅛ | 6 ¾ |
| Rotating Diameter (Inches) | 5 ¾ | 5 ¾ | 5 ¾ | 9 | 9 |

# ROD ROTATOR

## Application

The WNS-302 Rod Rotator is used on pumping units in the oil & gas industry. Its function is to rotate the rod string to effectively reduce rod and tubing wear. This feature can be further enhanced when used in conjunction with rod guides. The WNS-302 Rod Rotator can withstand maximum loads up to 40,000 lbs.

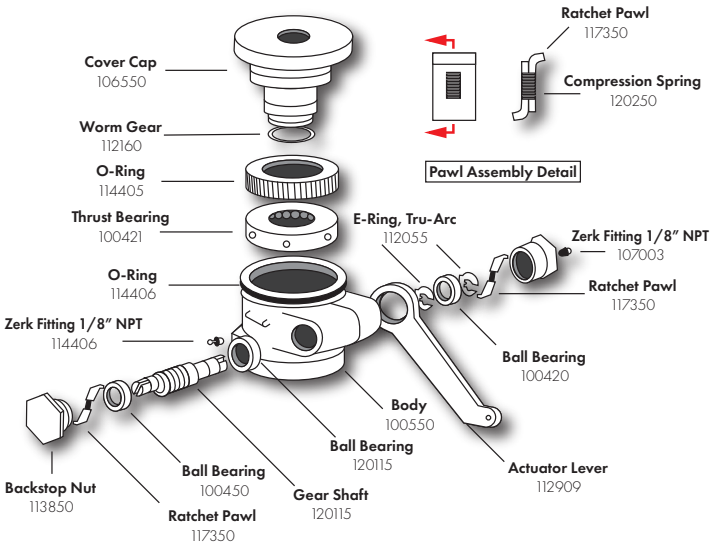
## Features

- Rugged industry approved design
- Parts interchange with existing 302 style rotators
- Evenly distribute rod and tubing wear
- Effectively remove paraffin build-up
- Slow gear (SG) option available
- Optional one way bearing
- WNS 302 and WNS 303 SG utilize no-slip bearing replacement ratchet panel design

## Specification

- Max Output Torque: 240 ft/lbs
- Max Recommended load: 40,000 lbs
- Required Opening between bridal lines: 7 "
- Polished Rod Sizes: 1 ⅛ to 1 ¾ inches
- Rotation Type: Helical Gear
- Body Material: Ductile Iron
- 90 Lever Pulls Per Revolution: 77 (std), 154 (SG)
- Shipping Weight: 47 lbs
- Height: 6 ½"






## How to Order

| MODEL NUMBER | PART NUMBER |
|---|---|
| WNS-302 | 119040 |
| WNS-302 SG | 119045 |
| WNS-303 | 119047 |
| WNS-303 SG | 119048 |

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# STUFFING BOXES



## BIG BOY SINGLE PACKED STUFFING BOX
## 1,500 PSI WORKING PRESSURE

| | |
|---|---|
| Connection Size | 2 ⅜, 2 ⅞, 3 |
| Weight (lbs) | 20 |
| Height (Inches) | 9 ¾ |
| Material | Ductile Iron |
| Cone Packing Sizes (Inches) | 1, 1 ⅛, 1 ¼, 1 ⅜, 1 ⅜, 1 ½, 1 ¾ |
| *Notes: Dome Packing Available* | |



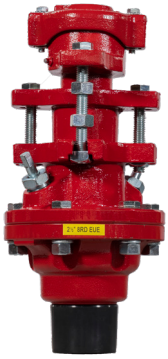
## BIG BOY DUAL PACKED STUFFING BOX
## 1,500 PSI WORKING PRESSURE

| | |
|---|---|
| Connection Size | 2 ⅜, 2 ⅞, 3 |
| Weight (lbs) | 45 |
| Height (Inches) | 15 |
| Material | Ductile Iron |
| Cone Packing Sizes (Inches) | 1, 1 ⅛, 1 ¼, 1 ⅜, 1 ⅜, 1 ½, 1 ¾ |
| *Notes: Dome Packing Available* | |



## SINGLE PACKED (SB)
## 1,500 PSI WORKING PRESSURE

| | |
|---|---|
| **Connection Size** | **2 ⅜, 2 ⅞, 3** |
| Weight (lbs) | 24 |
| Height (Inches) | 13 ½ |
| Material | Ductile Iron |
| Cone Packing Sizes (Inches) | 1, 1 ⅛, 1 ¼, 1 ⅜, 1 ⅜, 1 ½, 1 ¾ |
| *Notes: Inverted Model Available* | |



## DOUBLE PACKED (SB)
## 1,500 PSI WORKING PRESSURE

| | |
|---|---|
| **Connection Size** | 2 ⅜, 2 ⅞, 3 |
| Weight (lbs) | 45 |
| Height (Inches) | 14 |
| Material | Ductile Iron |
| Cone Packing Sizes (Inches) | 1, 1 ⅛, 1 ¼, 1 ⅜, 1 ⅜, 1 ½, 1 ¾ |
| *Notes: Inverted Model Available* | |



## TEE BASE STUFFING BOX
## 1,500 PSI WORKING PRESSURE

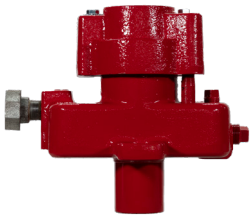
| | |
|---|---|
| Connection Size | 2 ⅜, 2 ⅞, 3 |
| Weight (lbs) | 30 |
| Height (Inches) | 12 |
| Material | Ductile Iron |
| Cone Packing Sizes (Inches) | 1, 1 ⅛, 1 ¼, 1 ⅜, 1 ⅜, 1 ½, 1 ¾ |
| *Notes: Inverted Model Available* | |




## MINI PACK STUFFING BOX
## 1,500 PSI WORKING PRESSURE

| | |
|---|---|
| Connection Size | 2" 11.5V |
| Weight (lbs) | 10 |
| Height (Inches) | 7 |
| Material | Carbon Steel |
| Crown Ring Packing Sizes (Inches) | 1 ¼, 1 ⅝ |

# STUFFING BOXES



Oil Reservoir Gland

## Accessories

| LUBRICATING UPPER GLAND* | | |
|---|---|---|
| | Part Number | Weight (lbs) |
| Complete | 112507 | 9 |
| **Parts** | | |
| Body | 112302 | 5 |
| Cone Pkg Ring(1) | 115607 | ¼ |
| Gland Cap | 106302 | 3 |
| Gland Cap Bolts (2/set) | 101301 | 1 |
| **Specify Polished Rod Size* | | |

| OIL RESERVOIR GLAND | | |
|---|---|---|
| | Part Number | Weight (lbs) |
| Complete | 112707 | 23 |
| **Parts** | | |
| Body w/ Plugs | 101203 | 5 |
| Cone Pkg Ring(1) | 115507 | ¼ |
| Drain Nipple | 113401 | ½ |
| Gland Cap | 106402 | 7 |
| Gland Cap Bolts (2/set) | 102201 | ¼ |
| **Specify Polished Rod Size* | | |

| DOUBLE PACKED (DPSB)<br>1,500 PSI WP<br>POLISHED ROD SIZES 1-1 ¾ | |
|---|---|
| Tubing Size<br>(Male Thread in Inches) | Weight (lbs) |
| 2 | 50 |
| 2 ½ | 51 |
| 3 | 52 |

## Stuffing Box Leak Detector

The stuffing box leak detector is made using corrosion resistant parts. The split adapter allows easy installation on the wellhead, and it is strong enough to take the weight of the rod string. The standard adapter will fit most stuffing boxes in use in the USA, and custom adapters can be special ordered to fit other stuffing box designs. The adapter is compact to minimize clearance or misalignment problems. The primary objective of the leak detector is the prevention of pollution resulting from leakage of fluids past the sealing members of stuffing boxes on rod pumped wells. The adapter provides a minor increase in the amount of lubricating oil for the seals, or it can be equipped with a crown ring to control the grease on those wellheads where grease is used for lubrication. The clear plastic resevoir removes easily for emptying, cleaning, or testing of the electrical circuitry. The resevoir is economical to replace if damaged.

### Features:

- Clear Fluid and Stainless Steel Reservoir available
- Corrosion Resistant Components
- Long Travel Float Switch
- Both Normally Open and Closed contacts
- Class 1 Div. 1 Explosion Proof Switch



| STUFFING BOX LEAK DETECTOR | PLASTIC PART NUMBER | STAINLESS STEEL PART NUMBER |
|---|---|---|
| Complete | 112007 | 112017 |
| Oil Resevoir Gland | 112707 | N/A |
| Control Device | 112051 | 112053 |

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# CONE PACKING

The most important part in a stuffing box is its cone packing. Cone packing is the seal between production fluid and polished rods. WNS Lowery offers a variety of sizes and materials to meet the rigorous demands of the oil and gas industry.

Our cones have a larger working area as the rod passes through the sealing area, making it last longer. The cone packing also has an oil reservoir for the oil at the top. This serves as a lubrication factor as the polish rod passes through. Cone packing is available in all polished rod sizes: 1" through 1 ¾" in sets of 4 (3 top cones & 1 bottom cone).

The guidelines on this page are for general purposes only and should not be used as the sole determining factor for packing material selection. Each down hole condition is different and must be addressed on a case-by-case basis to determine the best material solution for your particular well condition.









| CONE PACKING | |
|---|---|
| Soft | For normal pumping wells. Standard packing in all WNS Lowery stuffing boxes for any type polished rod or liner. |
| Hard | For wells that produce large volumes of water. Use only on hard-faced liner |
| Special Lubricated | Self-contained lubricant for wells with an absence of fluid. |
| Heavy Duty | For wells that pump off or flow off. |
| High Temp | For high-temperature applications to 425°F max. |
| Teflon Filled | Longer-lasting for pumping situations such as long stroke, fast cycle, or lack of lubrication. |
| Brass Teflon | Combines the longevity of Teflon with the cleaning action of brass. Used on steel poished rods, or hard-faced liners only. |
| Type WN-G | For wells with $H_2S$ or in $CO_2$ service. |
| Bottom Cleaner Cones | Helps prevent undesirable deposits on polished rods or liners. |

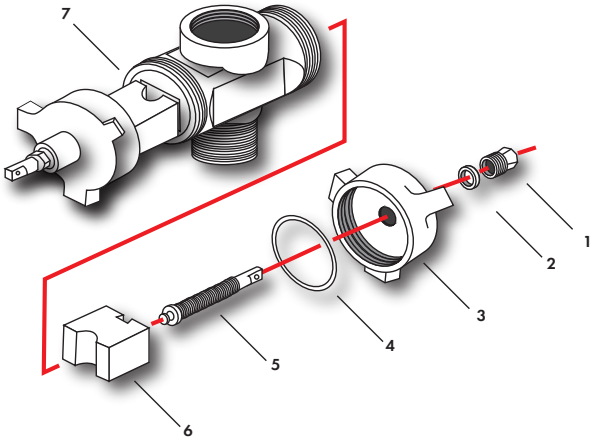
# BLOW OUT PREVENTERS

Blow-out preventers are used for well control and monitoring. Utilizing the included handles and ram sets, operators can seal the tubing annulus for well servicing. Our blow-out preventer is offered with Ductile Iron caps that are ACME threaded. This thread type provides easy removal and reduces the possibility of cross threading. Provided ram sets are metal reinforced for better stability and longer life. WNS Lowery offers a growing line of BOP's, ranging from several working pressures models.

## Features

- Full opening bore 2- 2 ½ (2.000-2.562) 3" 8V
- O-Ring on cap ensures no leakage
- Ductile Iron Body & Cap (Heavy Acme Threads)
- Metal reinforced ram block.
- 1500 PSI working pressure
- Zinc plated ram screw & locking nut-reduces corrosion
- Nylon Packing seal can be replaced in the field
- Traceable per API Specifications

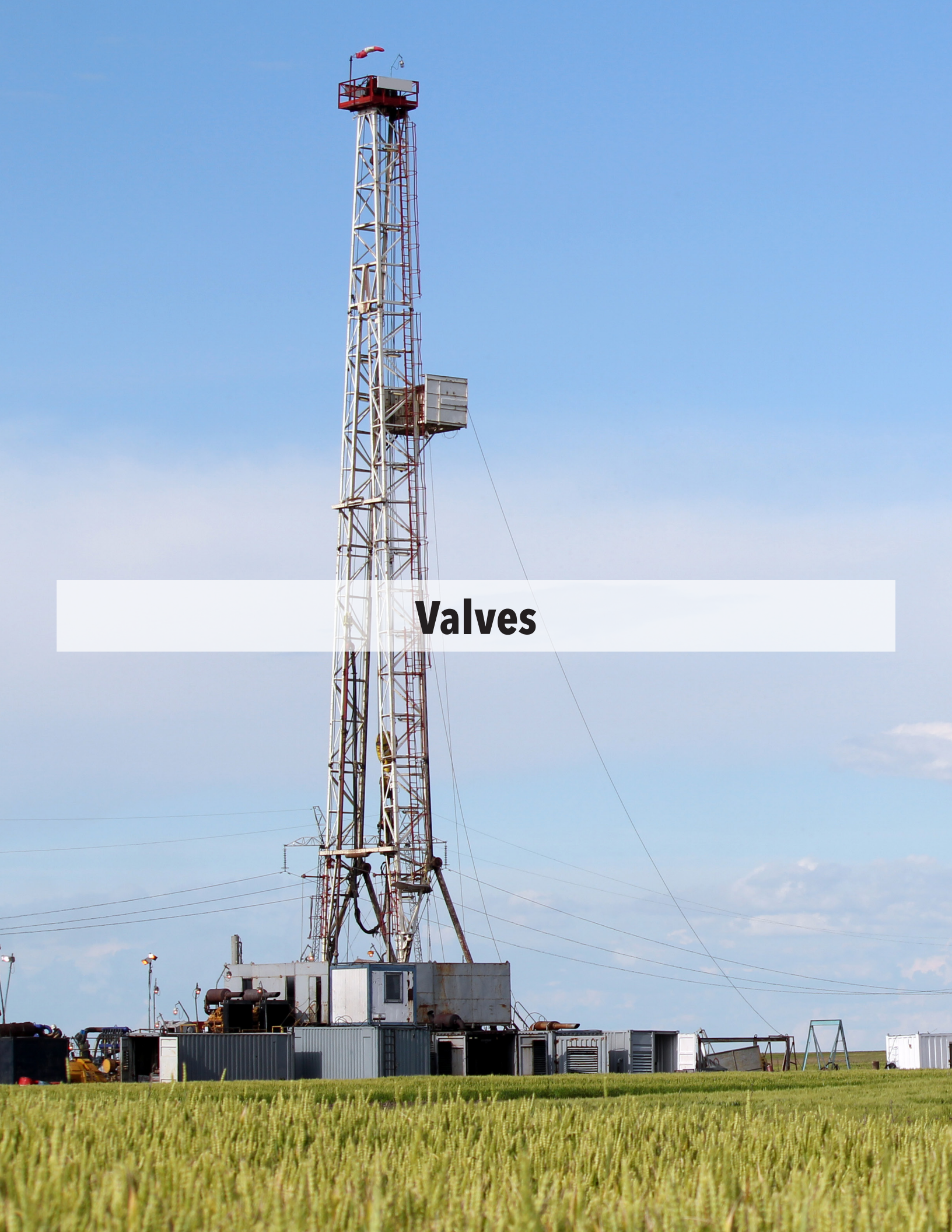





| Specifications | | Weight (lbs) | Standard Item Number | High Temp.Item Number |
|---|---|---|---|---|
| Complete Assembly 2, 2 ½, 3 L.P. | | 43 | * | * |
| 1 | Pkg Gland | ¼ | 112711 | 112711 |
| 2 | Pkg. Ring (One) | 0 | 119053 | 119053 |
| 3 | Wing Cap | 6 | 106615 | 106605 |
| 4 | O-Ring | - | 114351 | 114352 |
| 5 | Ram Screw | 1 | 119451 | 119451 |
| 6 | Rams, Blind (Set) | 3 | 118636 | 118646 |
| 6 | Rams, ⅜-1 Rods (Set) | 3 | 118631 | 118641 |
| 6 | Rams, 1 ⅛ Rods (Set) | 3 | 118632 | 118342 |
| 6 | Rams, 1 ¼ Rods (Set) | 3 | 118633 | 118643 |
| 6 | Rams, 1 ½ Rods (Set) | 3 | 118634 | 118644 |
| 6 | Rams, 1 ¾ Rods (Set) | 3 | 118635 | 118645 |
| 7 | Body 2, 2 ½, 3 (Specify) | 26 ½ | * | * |
| | Flip Over Handles (Set) | 4 | 112746 | 112746 |

| Specifications | |
|---|---|
| Working Pressure | 1,500 PSI |
| Ram Sizes(Inches) | 1 ¼, 1 ½, 1 ¾, ⅝ - 1", Blind |
| Ram Rubber | 70 Duro Buna STD. HSN Available |
| Ram screw & lock nut | Carbon Zinc Plated |
| Connections | Male & Female |
| Cap Thread | 5 Inch Diameter 4 Acme |
| Body Material | Ductile Iron |
| Height (Inches) | 9 ½ |
| Weight (lbs) | 46 |
| Handles | Ductile Iron |

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# Valves

# SERIES 20 CHOKE

This choke allows producers to “choke” back well pressure so the well can be set at its optimum production level. The WNS Lowery Series 20 is offered with a forged steel body, hardened alloy trim and reversible seat.

**2" 2000# CWP** FNPT Inlet with MNPT outlet; forged steel body, hardened alloy trim, ¾, or 1 orifice; reversible seat.

**2" 3000# CWP** FNPT Inlet with MNPT outlet; forged steel body, hardened alloy trim, ¾, or 1 orifice; reversible seat




| PARTS | | |
|---|---|---|
| Item | Part # | Description |
| 1 | 101300 | Handle bolt ⅝ - N.C. Cap Screw |
| 2 | 160001 | Handle washer ⅝ flat washer |
| 3 | 112748 | Handle (Oval hole) |
| 4 | 119460 | Set screw F/ calibration sleeve ¼- N.C. |
| 5 | 112760 | Indicator (Specify oriface size) |
| 6 | 120310 | Stem |
| 7 | 119806 | Seal kit |
| 8 | 119461 | ¼ - N.C. set screw |
| 9 | 120120 | Calibration sleeve (specify oriface size) |
| 10 | 090505 | Bonnet |
| 11 | 170002 | Grease zerk ⅛ -NPT |
| 12 | 119465 | Thumb screw ¼-N.C. |
| 13 | 120411 | 2000# Tee |
| 14 | 120511 | 3000# Tee |
| 15 | 120105 | Seat, Reversible (specify oriface size) |

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# SWING CHECK VALVES

WNS Lowery Series Domestic and Import swing check valves offer excellent flow back protection on production lines in all types of oil, gas, and industrial applications. Maintenance is quick and easy with the valves top entry design and available repair kits. Our import line is in stock and ready for immediate shipment at a value price. Our domestic line is handcrafted from castings made in the USA and is assembled and tested by American workers.

## Threaded Bonnet

- Ductile Iron or Cast Steel
- NACE materials per MR0175 are standard on all valves







**SWING CHECK VALVES**

| Part | Material Specifications | | |
|---|---|---|---|
| Body & Bonnet | ASTM A-536 Ductile Iron | ASTM A-216 WCB Cast Carbon Steel | Service Temperature |
| Clapper | 316 SS STD | 316 SS STD | |
| Clapper Seal | Buna-N (Standard)<br>Viton (Optional)<br>HNBR (Optional) | Buna-N (Standard)<br>Viton (Optional)<br>HNBR (Optional) | 180°F Max<br>400°F Max<br>300°F Max |
| Bonnet Seal O-Ring | Buna-N (Standard)<br>Viton (Optional)<br>HNBR (Optional) | Buna-N (Standard)<br>Viton (Optional)<br>HNBR (Optional) | 180°F Max<br>400°F Max<br>300°F Max |

**SWING CHECK REPAIR PARTS**

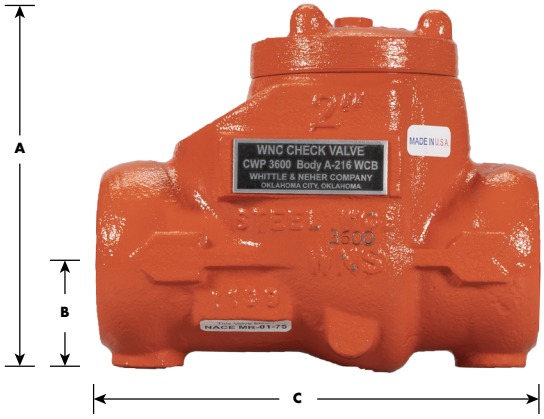
| Description | 1 Item Number | 2 Item Number | 3 Item Number | 4 Item Number |
|---|---|---|---|---|
| Bonnet Cap | | | | |
| Ductile Iron | 102301 | 102401 | 102501 | 102601 |
| WCB Steel | 102301 | 102402 | 102502 | N/A |
| Bonnet Pipe Plug | N/A | 117501 | 117501 | 117501 |
| Bonnett O-Ring | | | | |
| Buna-N | 114001 | 114101 | 114201 | 114301 |
| Viton | 114002 | 114102 | 114202 | 114302 |
| HSN | 114004 | 114104 | 114204 | 114304 |
| Clapper Seal | | | | |
| Buna-N | 119501 | 119601 | 119701 | 119801 |
| Viton | 119502 | 119602 | 119702 | 119802 |
| HSN | 119504 | 119604 | 119704 | 119804 |
| Clapper Assy | | | | |
| 316SS/Buna-N | 108401 | 108501 | 108604 | 108701 |
| 316SS/Viton | 108402 | 108502 | 108605 | 108702 |

WNS LOWERY™

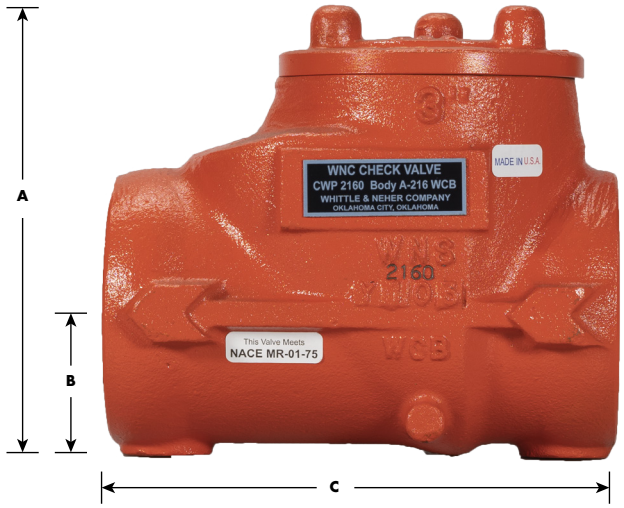
# SWING CHECK VALVES

- WCB Steel
- Threaded Swing Check Valve

**Options:**
- Viton Trim
- WNS-Coat




2" Swing Check Valve




3" Swing Check Valve

## WCB STEEL THREADED ENDS SWING CHECK VALVE

| Valve Size | End to End (Inches) | Working Pressure | Weights (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| 1 | 4 ¼ | 275<br>720<br>1440<br>2160<br>3600<br>5000 | 6 | 124801<br>124802<br>124803<br>124804<br>124805<br>124806 | WN1-275<br>WN1-720<br>WN1-1440<br>WN1-2160<br>WN1-3600<br>WN1-5000 |
| 2 | 7 ¼ | 275<br>720<br>1440<br>2160<br>3600 | 16 | 125801<br>125802<br>125803<br>125804<br>125805 | WN2-275<br>WN2-720<br>WN2-1440<br>WN2-2160<br>WN2-3600 |
| 3 | 8 | 275<br>720<br>1440<br>2160 | 17 | 128101<br>128102<br>128103<br>128104 | WN3-275<br>WN3-720<br>WN3-1440<br>WN3-2160 |

## CAST STEEL THREADED END

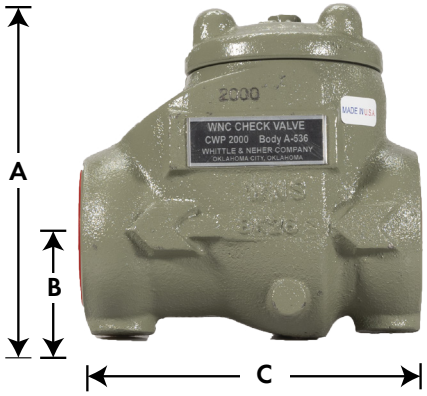
| Size (Inches) | Pressure (PSI) | Weight (lbs) | Dimensions (Inches) | | |
|---|---|---|---|---|---|
| | | | A | B | C |
| 1 | 275 | 6 | 3 | 1 ¼ | 4 ¼ |
| 2 | 275 | 16 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 275 | 17 | 5 ½ | 2 ⅜ | 8 |
| 1 | 720 | 6 | 3 | 1 ¼ | 4 ¼ |
| 2 | 720 | 16 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 720 | 17 | 5 ½ | 2 ⅜ | 8 |
| 1 | 1440 | 6 | 3 | 1 ¼ | 4 ¼ |
| 2 | 1440 | 16 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 1440 | 17 | 5 ½ | 2 ⅜ | 8 |
| 1 | 2160 | 6 | 3 | 1 ¼ | 4 ¼ |
| 2 | 2160 | 16 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 2160 | 17 | 5 ½ | 2 ⅜ | 8 |
| 1 | 3600 | 6 | 3 | 1 ¼ | 4 ¼ |
| 2 | 3600 | 16 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 1 | 5000 | 6 | 3 | 1 ¼ | 4 ¼ |

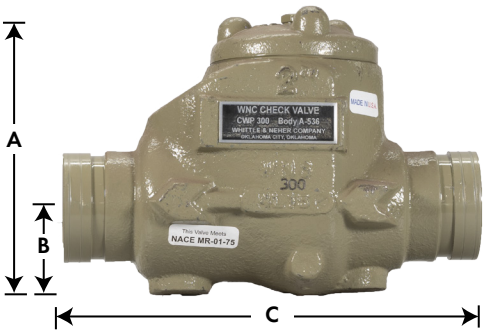
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# SWING CHECK VALVES

- Ductile iron
- Threaded swing check valve
- Grooved swing check valve

**Options:**
- Viton Trim
- WNS-Coat




## DUCTILE IRON THREADED END

| Size (Inches) | Pressure (PSI) | Weight (lbs) | Dimensions (Inches) | | |
|---|---|---|---|---|---|
| | | | A | B | C |
| 2 | 300 | 11 | 3 ⅜ | 1 ¾ | 6 |
| 2 LP | 300 | 15 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 300 | 17 | 5 ½ | 2 ⅜ | 8 |
| 4 | 300 | 35 | 6 ⅜ | 3 | 10 |
| 2 | 600 | 11 | 3 ⅜ | 1 ¾ | 6 |
| 2 LP | 600 | 15 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 600 | 17 | 5 ½ | 2 ⅜ | 8 |
| 4 | 600 | 35 | 6 ⅜ | 3 | 10 |
| 1 | 1000 | 4 ½ | 3 | 1 ¼ | 4 ¼ |
| 2 | 1000 | 11 | 3 ⅜ | 1 ¾ | 6 |
| 2 LP | 1000 | 15 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 1000 | 17 | 5 ½ | 2 ⅜ | 8 |
| 4 | 1000 | 35 | 6 ⅜ | 3 | 10 |
| 1 | 1500 | 4 ½ | 3 | 1 ¼ | 4 ¼ |
| 2 | 1500 | 11 | 3 ⅜ | 1 ¾ | 6 |
| 2 LP | 1500 | 15 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 1500 | 17 | 5 ½ | 2 ⅜ | 8 |
| 1 | 2000 | 4 ½ | 3 | 1 ¼ | 4 ¼ |
| 2 | 2000 | 11 | 3 ⅜ | 1 ¾ | 6 |
| 2 LP | 2000 | 15 | 3 ⅜ | 1 ¾ | 7 ¼ |
| 3 | 2000 | 17 | 5 ½ | 2 ⅜ | 8 |

## DUCTILE IRON THEADED ENDS SWING CHECK VALVE

| Valve Size (Inches) | End to End (Inches) | Working Pressure | Weights (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| 1 | 4 ¼ | 300<br>1000<br>1500<br>2000 | 5 | 124701<br>124703<br>124704<br>124705 | WN1- 3313<br>WN1-11033<br>WN1-11533<br>WN1-12033 |
| 2 | 6 | 300<br>600<br>1000<br>1500<br>2000 | 11 | 125701<br>125702<br>125703<br>125704<br>125705 | WN2-23313<br>WN2-23613<br>WN2-21033<br>WN2-21533<br>WN2-22033 |
| 2 Long Pattern | 7 ¼ | 300<br>600<br>1000<br>1500<br>2000 | 15 | 126501<br>126502<br>126503<br>126504<br>126505 | WN2-23313-LP<br>WN2-23613-LP<br>WN2-21033-LP<br>WN2-21533-LP<br>WN2-22033-LP |
| 3 | 8 | 300<br>600<br>1000<br>1500<br>2000 | 17 | 128001<br>128002<br>128003<br>128004<br>128005 | WN3-33313<br>WN3-33613<br>WN3-31033<br>WN3-31533<br>WN3-3203 |
| 4 | 10 | 300<br>600<br>1000 | 35 | 128901<br>128902<br>128903 | WN4-43313<br>WN4-43613<br>WN4-41033 |

## DUCTILE IRON GROOVED ENDS SWING CHECK VALVE

| Valve Size (Inches) | End to End (Inches) | Working Pressure | Weight (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| 2 Long Pattern | 9 | 300#<br>600# | 11 | 130001<br>130002 | WN2-23313-LP-G<br>WN2-23613-LP-G |
| 3 | 10 ¾ | 300#<br>600# | 16 | 130601<br>130602 | WN3-33313-G<br>WN3-33613-G |

# IMPORT SWING CHECK VALVE

## Application:

The WNS Series iWVS swing check valve offers oil & gas producers excellent back flow protection on production lines in all types of service including salt water or other corrosive applications.

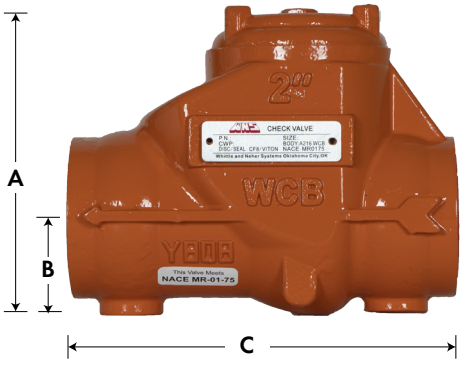
Maintenance is quick and simple with the valves top entry design and available repair kits. Contact your local WNS representative to learn more about our economical line of Swing Check Valves.

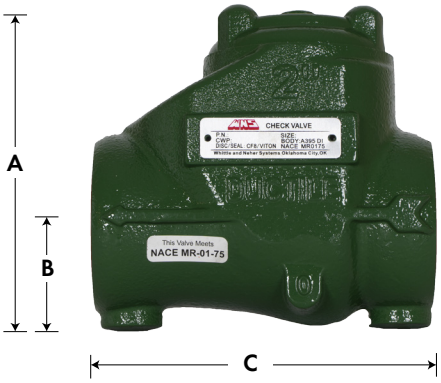
## Features:

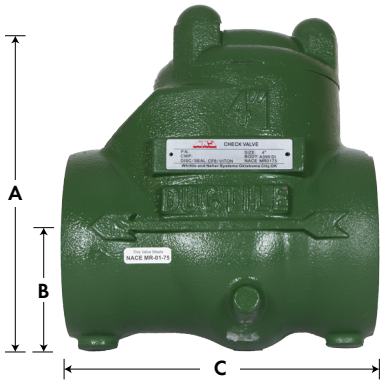
- Top entry for simple, quick repair or internal inspection
- 316 SS Flapper
- Materials meet NACE MR0-175
- Viton Seals
- 2" available in long pattern
- 4" Ductile Heavy-Duty valve available up to 2000 psi

## Specifications:

- Ductile iron or carbon steel
- 1" - 4" FNPT end connections
- -20 F to +400 F temperature range
- 300 to 5000 working pressure range




**Parts and Materials**

| Number | Description | DI | CS |
|---|---|---|---|
| 1 | Body | ASTM A395 DI | ASTM A216 WCB |
| 2 | Disc/Flapper | ASTM A351 (CF8) SS | ASTM A351 (CF8) SS |
| 3 | Flapper Seal | Viton | Viton |
| 4 | Bonnet | ASTM A395-DI | ASTM A216 WCB |
| 5 | Bonnet O-ring | Viton | Viton |
| 6 | Bonnet Screw | Carbon Steel | Carbon Steel |

**Dimensions (Inches)**

| Size (Inches) | Ductile Part # | Carbon Part # | A | B | C | Weight (lbs) |
|---|---|---|---|---|---|---|
| 1 | iWVS1D_ | iWVS1C_ | 3.23 | 1 | 4.72 | 6.0 |
| 2 | iWVS2D_ | iWVS2C_ | 4.09 | 2 | 6.30 | 12.0 |
| 2LP | iWVS2D_L | iWVS2C_L | 4.09 | 2 | 7.25 | 16.0 |
| 3 | iWVS3D_ | iWVS2C_ | 5.00 | 3 | 8.25 | 23.0 |
| 4 | iWVS4D_ | NA | 6.00 | 4 | 10.00 | 36.0 |
| 4** | iWVS4D_H | NA | 8.00 | 4 | 10.00 | 58.0 |

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# BALL CHECK VALVES

WNS Lowery Series Domestic and Import ball check valves offer excellent flow back protection on production lines in all types of oil, gas, and industrial applications. Our valves can be mounted horizontally or vertically (flow up). Our domestic line is truly handcrafted from castings made in the USA and assembled and tested by American workers.

## Features:

- Replaceable resilient seal with secondary metal-to-metal seal
- Nominal flow restriction
- Can be installed Horizontal or Vertical
- No ball spring
- Minimum parts wear from low flow rates or pulsating service
- End entry ball check valve
- Ductile Iron
- WCB Steel
- 316 SS Steel

## Options:

Viton Trim
WNS-Coat

## Trim:

- Seal - Buna-N 180°F Max (Standard)
- Viton 400°F Max (Optional)




### DUCTILE IRON THREADED END ENTRY BALL CHECK VALVE

| Valve Size (Inches) | End to End (Inches) | Working Pressure (PSI) | Weight (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| ½ | 3 ¼ | 1000<br>1500<br>2000 | 1 | 122253<br>122254<br>122255 | WN5-B1033<br>WN5-B1533<br>WN5-B2033 |
| 1 | 4 ½ | 1000<br>1500<br>2000 | 4 | 122303<br>122304<br>122305 | WN1-B1033<br>WN1-B1533<br>WN1-B2033 |
| 2 | 6 | 1000<br>1500<br>2000 | 13 | 123203<br>123204<br>123205 | WN2-B1033<br>WN2-B1533<br>WN2-B2033 |

### WCB STEEL THREADED END ENTRY BALL CHECK VALVE

| Valve Size (Inches) | End to End (Inches) | Working Pressure (PSI) | Weigh (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| 1 | 4 ½ | 2000<br>3000<br>5000 | 4 | 122401<br>122402<br>122403 | WN1-B2033-CS<br>WN1-B3033-CS<br>WN1-B5033-CS |
| 2 | 6 | 2000<br>3000<br>5000 | 13 | 123301<br>123302<br>123303 | WN2-B2033-CS<br>WN2-B3033-CS<br>WN2-B5033-CS |

### BALL CHECK REPAIR PARTS

| Description | Valve Size (Inches) | Ball Size (Inches) | Item Number |
|---|---|---|---|
| 440 SS Ball | ½ | ⅝ | 100100 |
| | 1 | 1 ⅛ | 100101 |
| | 2 | 1 ¾ | 100102 |
| SS/Buna-N Seat | ½ | N/A | 119901 |
| | 1 | N/A | 120001 |
| | 2 | N/A | 120101 |
| SS/Viton Seat | ½ | N/A | 119911 |
| | 1 | N/A | 120002 |
| | 2 | N/A | 102102 |

### 316 SS STEEL THREADED END ENTRY BALL CHECK VALVE

| Valve Size (Inches) | End to End (Inches) | Working Pressure (PSI) | Weight (lbs) | Item Number | Model Number |
|---|---|---|---|---|---|
| 1 | 4 ½ | 2000<br>3000<br>5000 | 4 | 122501<br>122502<br>122503 | WN1-B2033-SS<br>WN1-B3033-SS<br>WN1-B5033-SS |
| 2 | 6 | 2000<br>3000<br>5000 | 13 | 123401<br>123402<br>123403 | WN2-B2033-SS<br>WN2-B3033-SS<br>WN2-B5033-SS |

WNS LOWERY™

# IMPORT BALL CHECK VALVE

## APPLICATION

The Series iWVB ball check valve offeres oil & gas produces excellent back flow protection on production lines in all types of service including salt water or other corrosive applications.

The Series iWVB can be mounted horizontally or vertically (up flow). Contact your local WNS Lowery representative to learn more about our economical line of Ball Check Valves.

## FEATURES

- Replaceable resiliant seal
- Nominal flow restriction
- 316 SS Ball
- Viton Seats
- Threaded Ends conform to ANSI B1.20.1 (NPT)
- Materials meets NACE MR0175
- Gravity return eliminates need for ball return spring

## SPECIFICATIONS

- Ductile Iron/Carbon Steel/Stainless Steel body
- 1-2 FNPT end connections
- -20°F - +400°F Temperature rating
- 2000-5000 Max working pressure range













| No. | Description | DI | CS | SS |
|---|---|---|---|---|
| 1 | Body | ASTM A395 | ASTM A216 WCB | ASTM A351 CF8M |
| 2 | Adapter | ASTM A395 | ASTM A216 WCB | ASTM A351 CF8M |
| 3 | Ball | 316SS | 316SS | 316SS |
| 4 | Seat | Viton | Viton | Viton |

| Dimensions (Inches) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Material | Size | Part # | Connection | Pressure (PSI) | Weight (lbs) | L (Inches) | H (Inches) |
| Ductile Iron | 1 | iWVB1D20 | FNPT | 2000 | 3.75 | 4.49 | 2.06 |
| | 2 | iWVB2D20 | FNPT | 2000 | 11.91 | 6.62 | 3.37 |
| Carbon Steel | 1 | iWVB1C20 | FNPT | 2000 | 4.86 | 4.49 | 2.06 |
| | 1 | iWVB1C30 | FNPT | 3000 | 4.86 | 4.49 | 2.06 |
| | 1 | iWVB1C50 | FNPT | 5000 | 4.86 | 4.49 | 2.06 |
| | 2 | iWVB2C20 | FNPT | 2000 | 12.46 | 6.62 | 3.37 |
| | 2 | iWVB2C30 | FNPT | 3000 | 12.46 | 6.62 | 3.37 |
| | 2 | iWVB2C50 | FNPT | 5000 | 12.46 | 6.62 | 3.37 |
| Stainless Steel | 1 | iWVB1S20 | FNPT | 2000 | 3.97 | 4.49 | 2.06 |
| | 1 | iWVB1S30 | FNPT | 3000 | 3.97 | 4.49 | 2.06 |
| | 1 | iWVB1S50 | FNPT | 5000 | 3.97 | 4.49 | 2.06 |
| | 2 | iWVB2S20 | FNPT | 2000 | 12.57 | 6.62 | 3.37 |
| | 2 | iWVB2S30 | FNPT | 3000 | 12.57 | 6.62 | 3.37 |
| | 2 | iWVB2S50 | FNPT | 5000 | 12.57 | 6.62 | 3.37 |

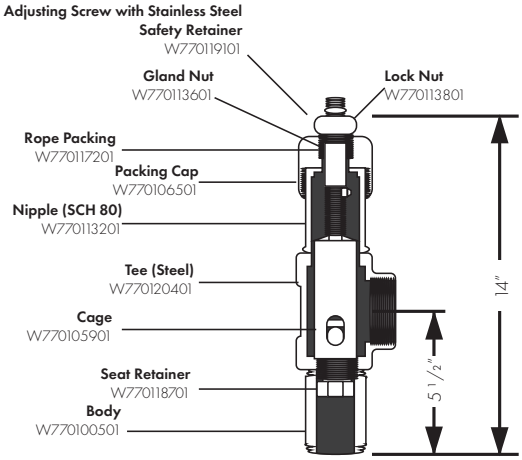
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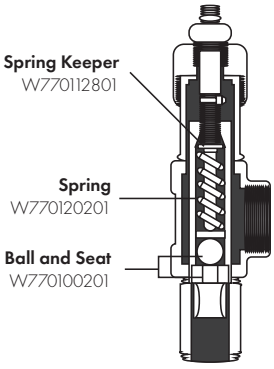
# BACK PRESSURE REGULATOR

The WNS Lowery 7702 BPR offers automatic relief of pressure in liquid or gas services. This valve can be used for a variety of applications including paraffin reduction by keeping gas in solution, pump efficiency by keeping bottom-hole pressure above bubble point or as a bypass to casing in the event a lead line freezes or plug.

- Liquid or gas service
- Reduces paraffin by keeping gas in solution
- Less free gas and better lubrication at stuffing box
- Increases pump efficiency by keeping bottom hole pressure above bubble point
- Differential pressure type-recommended for systems where down-stream pressure is less that 10% of set pressure
- 2" Regulator has standard ¼" NPT pressure port for proper gauge orientation
- Standard connections: 2" male LP inlet x single 2" female LP outlet
- Optional connections: 2" male LP inlet x two 2" female LP outlets using 4-way cross
- External body shell components for all assemblies have a 2000 PSI "Shell Test Pressure" capability






| 2" VALVE COMPLETE | |
|---|---|
| Item Number | Range (PSI) |
| W7702TS020CS | 10-200 |
| W7702TS050CS | 10-500 |
| W7702TS090CS | 10-900 |
| W7702TS015CS | 10-1500 |

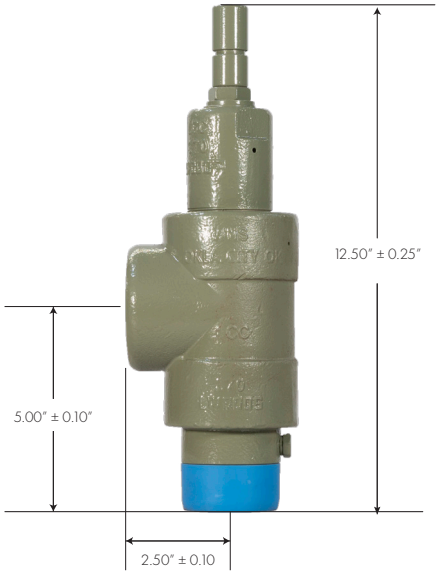
| Parts List | |
|---|---|
| Part Name | Item Number |
| Body | W770100501 |
| Cage | W770105901 |
| Seat Retainer | W770118701 |
| Spring 10-200 PSI | W770120201 |
| Spring 10-500 PSI | W770120202 |
| Spring 10-900/ 1500 PSI | W770120203 |
| Spring Keeper | W770112801 |
| Lock Nut | W770113801 |
| Adjusting Screw | W770119101 |
| Packing Cap | W770106501 |
| Gland Nut | W770113601 |
| Rope Packing | W770117201 |
| Tee (Steel) | W770120401 |
| Plug ¼ F.S. | W770117501 |
| Nipple (SCH 80) | W770113201 |
| Ball & Seat | W770100201 |
| Ball & Seat 1500# | W770100202 |

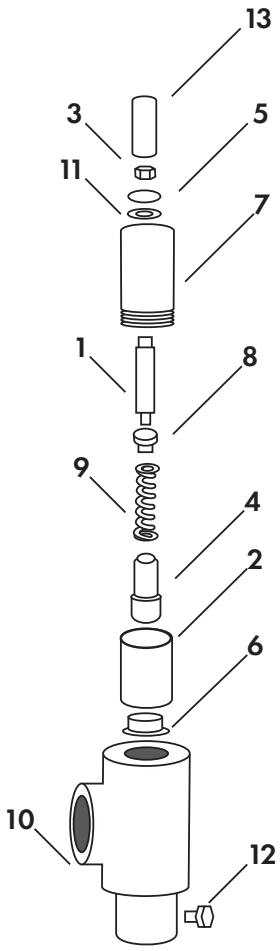
# BALANCED BACK PRESSURE REGULATOR

The WNS Lowery Series 772 offers automatic relief of pressure in liquid or gas services. Unaffected by downstream pressures, the balanced design regulates based on upstream pressure.

## FEATURES

- Reduces paraffin by keeping gas in solution
- SS internals for increased life
- Easy access to the internals for repair or maintenance
- Field adjustability
- Multiple seal options for a wide variety of applications




**Parts List**

| Item | Qty | Description | Item Number |
|---|---|---|---|
| 1 | 1 | Adjusting Screw | 119102 |
| 2 | 1 | Cage | 105903 |
| 3 | 1 | Nut | 113452 |
| 4 | 1 | Piston | 117403 |
| 5 | 1 | Washer, Rubber | 160003 |
| 6 | 1 | Seat | 118702 |
| 7 | 1 | Bonnet | 102292 |
| 8 | 1 | Spring Keeper | 112803 |
| 9 | 1 | Spring, 30-100 Green | 120206 |
| | 1 | Spring, 30-100 Yellow | 120207 |
| | 1 | Spring, 30-500 Brown | 120208 |
| | 1 | Spring, 30-100 Orange | 120209 |
| | 1 | Spring, 30-100 Black | 120210 |
| 10 | 1 | Body | 100502 |
| 11 | 1 | Washer, Steel | 160002 |
| 12 | 1 | Hex Plug | 117501 |
| 13 | 1 | Cap | 106082 |
| 14 | 1 | O-ring, 2-224* | 114321 |
| 15 | 1 | O-ring, 2-222* | 114322 |
| 16 | 1 | O-ring, 2-220* | 114323 |
| 17 | 1 | RING-BACKUP PTFE* | 118900 |
| 18 | 1 | O-ring, 2-208* | 114324 |
| 19 | 2 | O-ring, 2-114* | 114325 |

* Not Illustrated

**Recommended Replacement Parts**

| Item | Qty | Description | | Part Number |
|---|---|---|---|---|
| 4 | 1 | Plug | | 117403 |
| 6 | 1 | Seat | | 118702 |
| 14 | 1 | O-Ring, 2-224 | Buna | 114321 |
| 15 | 1 | O-Ring, 2-222 | Buna | 114322 |
| 16 | 1 | O-Ring, 2-220 | Buna | 114323 |
| 17 | 1 | O-Ring, 2-208 | Buna | 114324 |
| 18 | 2 | O-Ring, 2-114 | Buna | 114325 |
| 19 | 1 | Back Up Ring | | 118900 |

**Materials of Construction**

| | |
|---|---|
| Body | LCC Steel |
| Bonnet | LCC Steel |
| Cage | 17-4PH H900 SS |
| Body Plug | Xylan Coated CS |
| Seat | 440C SS |
| Piston | 17-4A/H900 SS |
| Seals | Buna-N |
| | Viton |
| | PC Buna |
| | EPDM |
| | HSN |
| Back Up Ring | Teflon |
| Spring | 17-7PH SS |
| | 302SS |

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# Z-PEX COATING

The common and most pressing cost to modern production systems is the loss of equipment and metal goods to corrosion. The handling of hotter fluids combined with dissolved gases have accelerated lifting costs dramatically. The exposure of inorganic and organic acids, and materials have produced a costly figure in equipment replacement, labor costs, and production down time.

WNS Lowery offers the Z-PEX bonding system to withstand the new production techniques produced by enhanced recovery, stimulation chemistry, and specialty chemical products. Our flexible Z-PEX system has a high heat resistance of 550°F and is resistant to all of the chemicals displayed in the list below. Z-PEX can be applied to the interior, exterior, and threads of all WNS Lowery valves, stuffing boxes, and pumping tees.

Our sales representatives are ready to assist you to ensure the best corrosion protection available in today's price conscious market. Z-PEX offers an effective alternative to expensive special alloy steel or just living with a problem presumed unsolvable.

To ensure the best protection for a given corrosive environment, and to provide maximum service life for your equipment we evaluate the following service conditions:

- Type of fluid, gas, or process stream
- Temperature
- Pressure
- Corrosive agents present

## Coating Properties

Dry Film Thickness: 2.0-2.8 mils
Max Operating Temperature: 550°F
Pencil Hardness: 6H
Coefficient of Friction: -0.016 to 0.08
Tabor Abrasion (1000) cycles 7.3 mg lost
Tensile Strength: 3,000 to 4,000 PSI
Salt Spray (ASTM B.117) 4000 Hours Minimum
$H_20$ (10,000 PSI, 200°F) No effect at any angle
Abrasion Resistance (D4060): 16,200 Units
Direct Impact: 100 lbs
Indirect Impact: 120 lbs
Gloss: 45-55
Color: Dark-Gray
Cross-Hatch Adhesion: 5B
Gravelometer: 6 Minimum

## Z-PEX is resistant to the following chemicals

Acetone
Acetic Acid
Acetates (All)
Amines (All)
Ammonia
Ammonium Hydroxide
Amino Acids
Benzene
Borax
Boric Acid
Butyl Alcohol
Butyl Cellosolve
Butyric Acid
Calcium Chloride
Calcium Hypochlorite
Carbon Tetrachloride
Cetyl Alcohol
Chlorides (All)
Chlorine Gas
Chromic Acid (Nr)
Citric Acid
Creosol
Diesel Fuel
Diethanolamine
Ethyl Acetate
Ethyl Alcohol

# GENERAL INFORMATION

## PRICES:

All prices shown are suggested resale domestic prices and are subject to change without notice. Export crating, freight, insurance, exchange rates, tariffs, or any taxes are the responsibility of the purchaser. All accounts are payable in United States funds.

## DISCREPANCIES:

Quantity count discrepancies or errors are to be reported within ten (10) days after the receipt of shipment and must specify invoice number and date of shipment.

CANCELLATION:
All orders received for special products or parts thereof are subject to cancellation only upon agreement to make payment for any material and work performed and a reasonable profit.

## WARRANTY:

This Limited Warranty of WNS Lowery, A MARSH BELLOFRAM Company applies to products manufactured or distributed by WNS Lowery, A MARSH BELLOFRAM COMPANY (WNS Lowery). The term "product" means a WNS Lowery device or system, it's features, conversion, upgrades, elements, or accessories, or any combination of them. The product purchased shall be free from defects in material and workmanship from the date of shipment by WNS Lowery, A MARSH BELLOFRAM COMPANY (USA) for one year from the date of shipment from WNS Lowery or authorized reseller.

## TERMS OF THE WARRANTY:

WNS Lowery warrants that the product you have purchased from WNS Lowery or a WNS Lowery authorized reseller is free from defects in materials and workmanship under normal use during the warranty period. The warranty period begins on the day of shipment from WNS Lowery. The warranty extends only to the original purchaser. It is not transferable to anyone who subsequently purchases the product from you. It excludes all expendable parts.

During the warranty period, WNS Lowery will repair or replace defective parts with new parts or, at the option of WNS Lowery, serviceable used parts that are equivalent or superior to new parts in performance.

This Limited Warranty extends only to products purchased from WNS Lowery or a WNS Lowery authorized reseller. This Limited Warranty does not extend to any product that has been damaged or rendered defective (a) as a result of accident, misuse, or abuse; (b) as a result of an act of God; (c) by operation outside the usage parameters stated herein; (d) by the use of parts not manufactured or sold by WNS Lowery; (e) by modification of the product; or (f) as a result of service by anyone other than WNS Lowery or a WNS Lowery authorized reseller or authorized agent.

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, WNS LOWERY MAKES NO OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WNS LOWERY EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THIS EXPRESS LIMITED WARRANTY.

## RETURNS:

Materials may be returned only with prior written permission of seller, only new (unused) standard catalog items may be returned and for merchandise credit only. Items authorized for return will be subject to a minimum restocking charge of 10% with additional charges being made for items not received in saleable condition. No credit will be allowed for rubber products unless returned within one (1) year of date of shipment from seller's factory. Material must be returned freight prepaid. Outbound transportation charges assumed by the seller will be deducted from the merchandise credit.

# Marsh Bellofram: Our Story

Headquartered in Newell, West Virginia, USA, The Bellofram Group of Companies is an AS9100D and ISO9001:2015 certified leading global manufacturer of high-performance OEM, industrial, and process control instrumentation. This includes timers and counters, digital controllers and panel meters, RTD's and thermocouples, pressure instruments and gauges, FRLs, cylinders, natural gas and propane pressure regulators, air pressure regulators and transducers, tank and liquid level measurement systems, pump and motor protection switches, alternating relays, sensors, DC tachometers, encoders, industrial diaphragms, and specialty silicones.

Products are organized and sold under fully dedicated divisions, each staffed with an experienced and highly trained team of dedicated technical sales, applications engineering, and customer service support personnel.



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