

Securing wells for more than 80 years.™



DOUBLE E

Blow Out Preventers

Need a Trouble Free Blow Out Preventer?

Double E Blow Out Preventers (BOPs) are used to pack off a pumping well. Our BOPs can be permanently installed between the pumping head and tubing head or stuffing box.

Double E BOPs can seal on the polished or sucker rod. They can also pack off a pumping well that does not have rods when equipped with suitable Rams.

Pressure-tested at twice their PSI rating, all Double E BOPs can be manually or hydraulically operated. We offer BOPs for standard, H₂S, and sour service. Our sour service BOPs can be certified to NACE requirements. Like all Double E products, if we don't have the model you need, we can develop one for you.

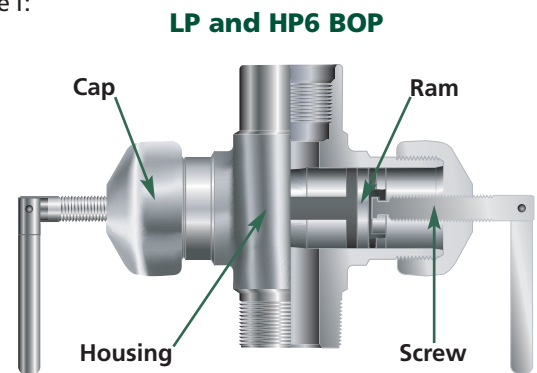
We offer four types of BOPs. All four types are available in a wide selection of pressure ratings and Ram sizes. You also have a choice of flanged or threaded connections. Thread sizes range from 2-3/8 inches to 5-1/2 inches EU.

LP

Double E's low pressure (LP) BOP is one of the most widely used Blow Out Preventers in the industry. With a 1,500 psi rating, the LP can be used on most on-shore wells. Available in vertical bores (VB) of 1.90 and 2.44 inches, and thread sizes of 2-3/8 to 2-7/8 inches, the LP can be used with rod sizes up to 1-3/4 inches.

Offered for both standard and H₂S service, our LP BOPs include one housing, two caps, two handles, two rams, and two screws (see Figure 1).

Figure 1:



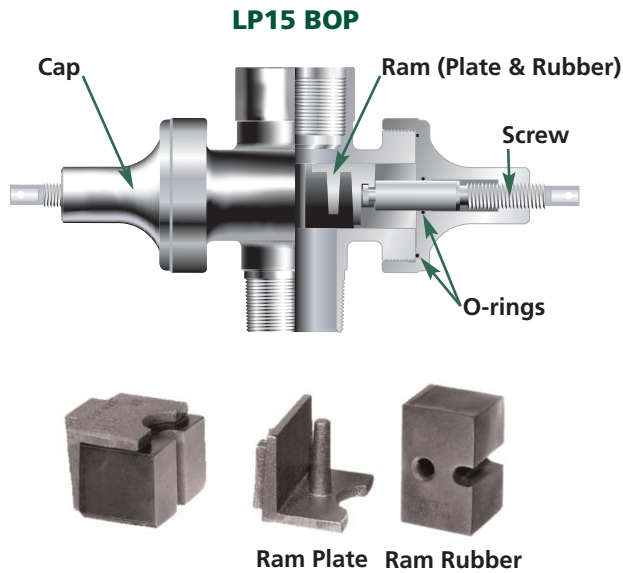
Double E's LP and HP6 production BOPs are some of the most widely used in the industry.

LP15

The LP15 has a versatile design that can be used up to 3,000 psi. Our patented Ram system enhances safety. To prevent separation failures, our sturdy pin and socket design uses a rubber element and a ductile iron plate to resist pressure thrusts.

We stock versions with vertical bores of 1.90, 2.44, and 2.90 inches and thread sizes of 2-3/8 to 3-1/2 inches, all of which can be used with rod sizes up to 1-1/2 inches. We offer standard and H₂S service versions. Most LP15 BOPs include one housing, two caps, two rams, and two screws (see Figure 2).

Figure 2:



Double E's LP15 can be used up to 3,000 psi.

HP6

The HP6 was developed to protect against blowouts when working with wireline or small tubing. Rated to 3,000 psi, you can rely on Double E's HP6 BOP.

The HP6 is offered with vertical bores of 1.90 and 2.44 inches, thread sizes of 2-3/8 to 3-1/2 inches, and can be used with rod sizes up to 1-1/2 inches. We offer both standard and H₂S service versions. Our HP6 BOPs include one housing, two caps, two rams, two handles, and two screws (see Figure 1).

HP10

When extreme pressure resistance is required, you can rely on the HP10. This BOP is rated for pressures up to 5,000 psi. The HP10 has a vertical bore of 4.81 inches, a thread size of 5-1/2 inches, and can be used with a 5/16 inch rod size. Each HP10 BOP includes one housing, two caps, two rams, two screws, and two line guides.

BOP Rams

Double E's unique Ram designs allow for outstanding pressure resistance. Each of our Rams are available for standard or H₂S service (see Figure 3).

LD-DF

This steel-reinforced, dome faced rubber Ram will close on rods up to 1-1/2 inches in diameter. The LP-DF Ram will also seal with no rod or wire in the hole. The LP-DF Ram is rated up to 1,500 psi.

LP

For a precise seal on your rod or pipe, specify our LP Ram. The LP can be molded to include a gap for the exact size of your rod or pipe. The LP Ram is rated up to 1,500 psi.

LP15

The LP15 Ram offers a unique design which closes on all rod sizes up to 1-1/2 inches. That design prevents separation failures that can occur with bonded assemblies. The LP15 Ram is rated up to 3,000 psi.

HP6-FF

This steel Ram is molded with a rubber seal across the flat surface and holds securely at pressures up to 3,000 psi. The HP6-FF Ram is best suited for high pressure applications when no rod is used.

HP6

Like the LP Ram, the HP6 Ram is manufactured to seal on the outside diameter of your rod or pipe. The HP6 Ram is rated up to 3,000 psi.

HP10

For use with the HP10 BOP, the HP10 Ram is rated up to 5,000 psi. This Ram is available for standard, H₂S, or sour service.

Stocked Blow Out Preventers

Double E stocks 26 different types of BOPs. In addition, Double E has a large inventory of replacement Rams available for same day shipment.

LP

1. 2.44 inch VB, 0 to 1-1/2 inch Rod Size, 2-7/8 inch EU model
2. 2.44 inch VB, 1-1/4 inch Rod Size, 2-7/8 inch EU model
3. 2.44 inch VB, 1-1/2 inch Rod Size, 2-7/8 inch EU model
4. 2.44 inch VB, 1-3/4 inch Rod Size, 2-7/8 inch EU model
5. 2.44 inch VB, 0 to 1-1/2 inch Rod Size, 2-7/8 inch EU, H₂S service model
6. 1.90 inch VB, 0 to 1-1/2 inch Rod Size, 2-3/8 inch EU model
7. 1.90 inch VB, 1-1/2 inch Rod Size, 2-3/8 inch EU model
8. 1.90 inch VB, 0 to 1-1/2 inch Rod Size, 2-3/8 inch EU, H₂S service model
9. 1.90 inch VB, 1-1/2 inch Rod Size, 2-3/8 inch EU, H₂S service model

LP15

1. 1.90 inch VB, 0 to 1-1/2 inch Rod Size, 2-3/8 inch EU model
2. 2.44 inch VB, 0 to 1-1/2 inch Rod Size, 2-7/8 inch EU model
3. 2.44 inch VB, 0 to 1-1/2 inch Rod Size, 3-1/2 inch LP model
4. 2.90 inch VB, 0 to 1-1/2 inch Rod Size, 3-1/2 inch EU model
5. 2.90 inch VB, 0 to 1-1/2 inch Rod Size, 3-1/2 inch EU, H₂S service model

HP6

1. 2.44 inch VB, 1-1/2 inch Rod Size, 2-7/8 inch EU model, with 2-9/16 inch companion flange
2. 2.44 inch VB, 1-1/2 inch Rod Size, 2-7/8 inch EU, H₂S service model
3. 2.44 inch VB, 1-1/4 inch Rod Size, 2-7/8 inch EU, H₂S/Hi-temp service model
4. 2.44 inch VB, 1-1/2 inch Rod Size, 2-7/8 inch EU, H₂S/Hi-temp service model
5. 2.44 inch VB, 1-1/2 inch Rod Size, 3-1/2 inch LP model
6. 2.44 inch VB, 0 to 3/8 inch Rod Size, 2-7/8 inch EU model
7. 2.44 inch VB, 1-1/4 inch Rod Size, 2-7/8 inch EU model
8. 2.44 inch VB, 1-1/2 inch Rod Size, 2-7/8 inch EU model
9. 1.90 inch VB, 0 to 3/8 inch Rod Size, 2-3/8 inch EU model
10. 1.90 inch VB, 1-1/4 inch Rod Size, 2-3/8 inch EU model
11. 1.90 inch VB, 0 to 3/8 inch Rod Size, 2-3/8 inch EU, H₂S service model

HP10

1. 4.81 inch VB, 5/16 inch Rod Size, 5-1/2 inch EU model

Stocked Blow Out Preventer Replacement Rams

1. LP15 Ram Rubber, 1.90 and 2.44 inch VB, 0 to 1-1/2 inch Rod Size, Standard Service
2. HP6 Ram, 1.90 and 2.44 inch VB, 1-1/2 inch Rod Size, H₂S Service
3. HP10 Ram Rubber, 1.90 and 2.44 inch VB, 0 to 3/8 inch Rod Size, Sour Service

Double E Blow Out Preventers Meet Your Needs

1. Trouble Free Performance

Made from heat-treated alloy steel, Double E's BOPs offer superior performance in your demanding applications.

2. Large Selection

With 26 models in stock, Double E has a BOP to meet your needs. Our BOPs are available for use up to 5,000 psi and with rod sizes up to 1-3/4 inches. We offer BOPs for standard, H₂S, or sour service, with vertical bores of 1.90, 2.44, 2.90 and 5.81 inches, and with thread sizes from 2-3/8 to 5-1/2 inches.

3. Huge Inventory

With 26 BOPs and 3 replacement Rams in stock, you can receive the part you need as soon as the next business day. We've also made it easy to check stock. Using our web site, you can view our inventory 24 hours a day.

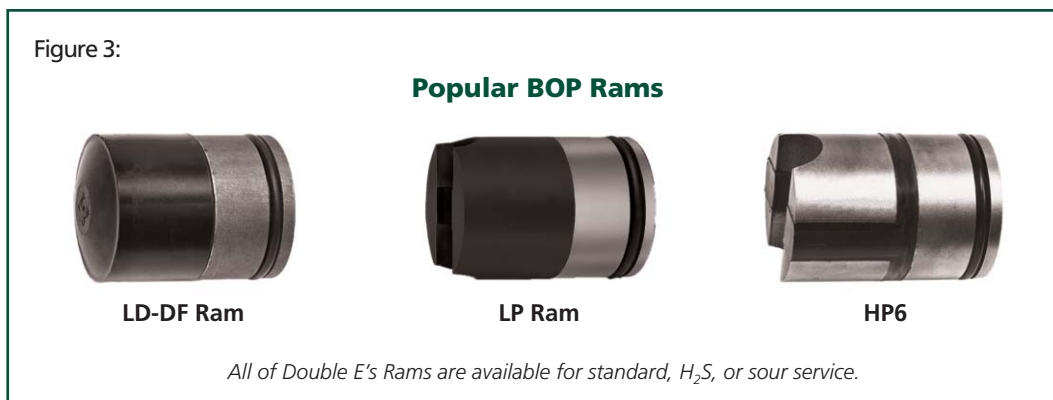
Rely on Double E

Double E is a leading manufacturer of high-performance oil well production tools. We specialize in Blow Out Preventers, Oil Savers, Stuffing Boxes, Sucker Rod Strippers, and Rod Guides. Double E also makes custom-molded elastomeric products, including rubber-to metal bonded parts. Founded in 1923, Double E was one of the first manufacturers of metal products to focus on the oil and gas industry. Our 30,000 square-foot facility is located in Dallas, Texas.

Order Online

To place your order online, visit our website at www.doubleeinc.com. You can also place orders by phone at 214-631-2290 or by fax at 214-630-4712.

If we receive your order by 2:30 p.m. central time, you can receive your parts as soon as the next business day.



△ This brochure is intended as a guideline and reference. Appropriate testing and validation by users having technical expertise is necessary for proper use of Double E products.



Double E, Inc., 1261 Profit Drive, Dallas, Texas 75247
214-631-2290 Fax 214-630-4712 doubleeinc.com