



PATTERSON SERVICES, INC.

Tubing
1" thru 4 1/2"

Drill Pipe
2 3/8" thru 5 1/2"

Heavy Weight Drill Pipe
2 7/8" thru
6 5/8"

Drill Collars
2 7/8" thru 10"

Blow-Out Preventers
Annular Type
2 9/16" 5M thru
29 1/2" 500 PSI

Hydraulic Ram Type
Single and Double
3 1/16" 10M thru
21 3/4" 5M

Valves Manual & Hydraulic
12" Ball Valves
2 1/16" 5M thru
4 1/16" 15M

BOP Information Sheet*

Shaffer Spherical BOP 7-1/16" 5K

1	BOP Serial #	P-
2	Type	7-1/16" 5K Spherical BOP Studded Top/ Flange Bottom
3	Manufacturer	Shaffer
4	Height (Flange Face to Face)	30-7/8" / 0.784 m
5	Weight (Approximate -- varies with connectors)	3,175 Lbs / 1,440.156 Kilograms
6	Outside Diameter	29" / 0.737 m
7	Hydraulic operating pressure	≤ 1,500 PSI / 103.422 bar
8	Max hydraulic pressure	1,500 PSI / 103.422 bar
9	Close port size	1" NPT
10	Open volume	3.21 U.S. Gallons / 12.151 Liters
11	Close volume	4.57 U.S. Gallons / 17.299 Liters
12	7-1/16" 5K Studded Top Bolts Diameter x Length	1- 3/8" x 7-1/2" / 34.925 mm x 190.500 mm
13	Quantity	12 per studded flange
14	Bolt Torque	1,281 ft-lbs / 1,736.780 N'm
15	7-1/16" 5K Flanged Bottom Bolts Diameter x Length	1- 3/8" x 11-1/4" / 34.925 mm x 285.953 mm
16	Quantity	12 per studded flange
17	Bolt Torque	1,281 ft-lbs / 1,736.780 N'm
18	Flange Gasket (Open-faced Bottom Flange)	R-46 /RX-46
19	Studded Flange Gasket	R-46 /RX-46
20	Lifting Capacity B.O.P. Lugs	

* Drawings and information contained herein are for general purposes and are for reference only. Dimensions may vary according to Manufacturer, Year Manufactured, Model or Type.

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SPECIFICATIONS

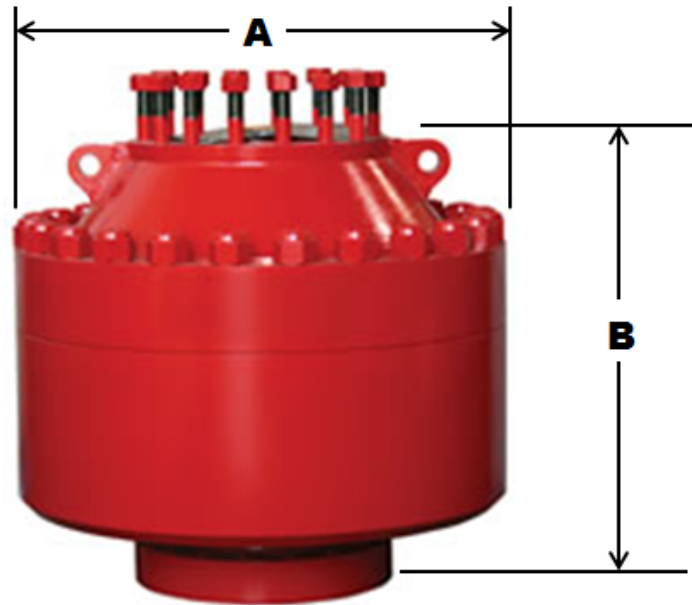
DIMENSIONAL DATA

Shaffer Spherical BOP 7-1/16" 5K

Size	Pressure rating (PSI)	Vertical Bore (inches)	Single Approx.* Weight (lbs)
7.0625*	5,000	7.0625*	3,175.00

*Approximate: Varies with connectors.

The capital letters in the following designations refer to the BOP dimensional views and dimensional charts shown.



Picture provided for reference only.

English Units (inches)		English Units (lbs)
A (Clearance Diameter)	B (height)	Weight
29.000	30.875	3,175.000
Metric Units (m)		Metric Units (kgs)
A (Clearance Diameter)	B (height)	
0.737	0.784	1,440.156

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