



PATTERSON SERVICES, INC.

BOP Information Sheet*

Axon Type 50 BOP Single 21.25 5K

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

1	BOP Serial #	P-
2	Type	Type 50 Single Ram 21.25 5K
3	Manufacturer	AXON Pressure Products
4	Height	50.94" / 1.293 m (1293.876 mm)
5	Weight (Standard)	30,000 lbs. / 13,607.771 kilogram
6	Weight (with LBT) (LBT = (2100 lbs each x 2))	34,200 lbs. / 15,512.859 kilogram
7	Length (bonnets closed)	164-1/4" / 4.172 m
8	Length (bonnets opened)	247-1/2" / 6.287 m
9	Length (bonnets closed, LBT installed) (LBT ≤ 26.5" x 2)	≤ 217-1/4" / 5.5187 m
10	Length (bonnets opened, LBT installed) (LBT ≤ 26.5" x 2)	≤ 300-1/2" / 7.632 m
11	Bonnet bolt torque (API lube)	29,500 ft.lbs / 3,9997 N'm
12	Bonnet bolt torque (Moly Lube)	15,500 ft.lbs / 21,015 N'm
13	Bonnet bolt (impact socket size)	4-5/8" / 117.475 mm
14	Bonnet bolt (striking wrench size)	4-5/8" / 117.475 mm (Manufacturer Specification)
15	Hydraulic operating pressure	1,500 PSI / 103.422 bar
16	Max hydraulic pressure	3,000 PSI / 206.844 bar
17	Open and close porting size	1" NPT
18	Open volume w/ standard bonnets per cavity	27.3 U.S. Gallons / 103.342 liter
19	Close volume w/ standard bonnets per cavity	30.0 U.S. Gallons / 113.562 liter
20	Open volume (with LBT installed)	27.3 U.S. Gallons / 103.342 liter
21	Close volume (with LBT installed)	54.68 U.S. Gallons / 206.986 liter
22	Open Ram Change rod open faced wrench size	4-1/4" across flats
23	Close Ram Change rod open faced wrench size	4-1/4" across flats
24	21.25" 5K Flanged Bolts Diameter x Length	2" x 19" / 50.80 mm x 482.60 mm
25	Quantity	24
26	Bolt Torque	4,061 ft-lbs / 5,506 N'm
27	4-1/16" 5 K Flanged Outlet Bolts Diameter x Length	1-1/4" x 8-1/2" / 31.75 mm x 215.9 mm
28	Quantity	8
29	Bolt Torque	953 ft-lbs / 1,292 N'm
30	Flange Gasket	BX 165
31	Outlet Gasket	R/RX-39

* 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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PATTERSON SERVICES, INC.

SPECIFICATIONS

DIMENSIONAL DATA

Axon Type 50 BOP Single 21.25 5K

Size	Pressure rating (PSI)	Vertical Bore (inches)	Single Approx. Weight (lbs)
21 - 1/4"	5,000	21 - 1/4"	30,000 lbs (13,607.771 kg)

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

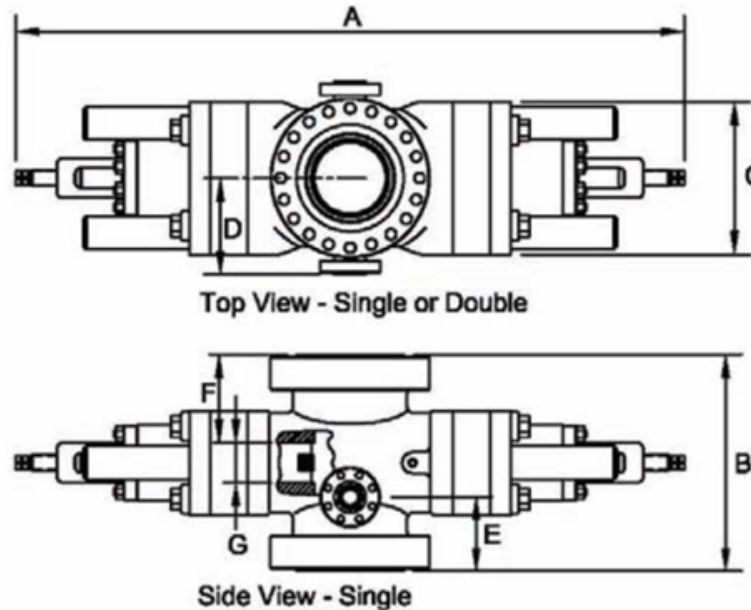
Single and Double

3 1/16" 10M thru 21 3/4" 5M

Valves Manual & Hydraulic

12" Ball Valves

2 1/16" 5M thru 4 1/16" 15M



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

- A-1 Length, bonnets closed, locking screws in
- A-2 Length, bonnets open, locking screws out
- A-3 Length, bonnet closed, with wedgelocks
- A-4 Length, bonnets open, with wedgelocks
- B-2 Height, API flanged single
- B-2 Height, clamp hub single
- C Width, no side outlets
- D Centerline to outlet hub or flange (*This dimension varies with outlet size per customer specification*)
- E-1 Centerline of side outlet to bottom API flange
- E-2 Centerline of side outlet to bottom clamp hub
- F-1 Top of upper ram to top API flange
- F-2 Top of upper ram to top clamp hub
- G Height of ram

English Units (inches)

A-1	A-2	A-3	A-4	B-1	B-2	C	D	E-1	E-2	F-1	F-2	G	English Units (lbs) Weight (lbs)
164.250	247.500	180.940	239.250	50.940	45.120	42.500	_	17.970	17.190	18.720	14.590	13.500	30,000.000

Metric Units (m)

A-1	A-2	A-3	A-4	B-1	B-2	C	D	E-1	E-2	F-1	F-2	G	Metric Units (kilos) Weight (kilos)
4.172	6.287	4.596	6.077	1.294	1.146	1.079	_	456.440	436.63	475.49	370.59	342.90	13,607.771

Metric Units (mm)