



PATTERSON SERVICES, INC.

BOP Information Sheet*

Axon Type 59 BOP Single 4-1/16" 20K

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 59 Single Ram BOP 4-1/16" 20K
3	Manufacturer	Axon/ Bowen
4	Height	35.56" / 903.224 mm (0.903 m)
5	Weight (Standard)	6,700 lbs. / 3,039.069 kg
6	Length (bonnets closed)	88.63" / 2.251 m
7	Length (bonnets opened)	106.000" / 2.692 m
8	Bonnet bolt torque (API lube)	3,370 ft.lbs. / 4,569 N'm
9	Bonnet bolt (impact socket size)	2-3/4" / 69.85 mm
10	Bonnet bolt (striking wrench size)	1-3/4" / 44.45 mm
11	Hydraulic operating pressure	1,500 PSI / 103.422 bar
12	Max hydraulic pressure	3,000 PSI / 206.844 bar
13	Open and Close port size	1" NPT
14	Open volume (operation)	2.46 gal. / 9.312 liters
15	Close volume (operation)	2.28 gal. / 8.631 liters
16	Open volume (for bonnet)	8.35 gal. / 31.608 liters
17	Close volume (for bonnet)	7.77 gal. / 29.413 liters
18	Ram Change rod open faced wrench size	N/A
19	(2)4-1/16" 20K Flange-Bolt Diameter x Length	1-3/4" x 12-1/2" / 44.45 mm x 317.500 mm
20	Quantity	8 per flg.
21	Bolt Torque	2,696 ft.lbs. / 3,655 N'm
22	(2)2-1/16" 20K Flanged Outlet-Bolt Diameter x Length	1-1/8" x 8-1/2" / 28.575 mm x 215.900 mm
23	Quantity	8 per flg.
24	Bolt Torque	686 ft.lbs. / 930 N'm
25	Flange Gasket	BX-155
26	Outlet Gasket	BX-152

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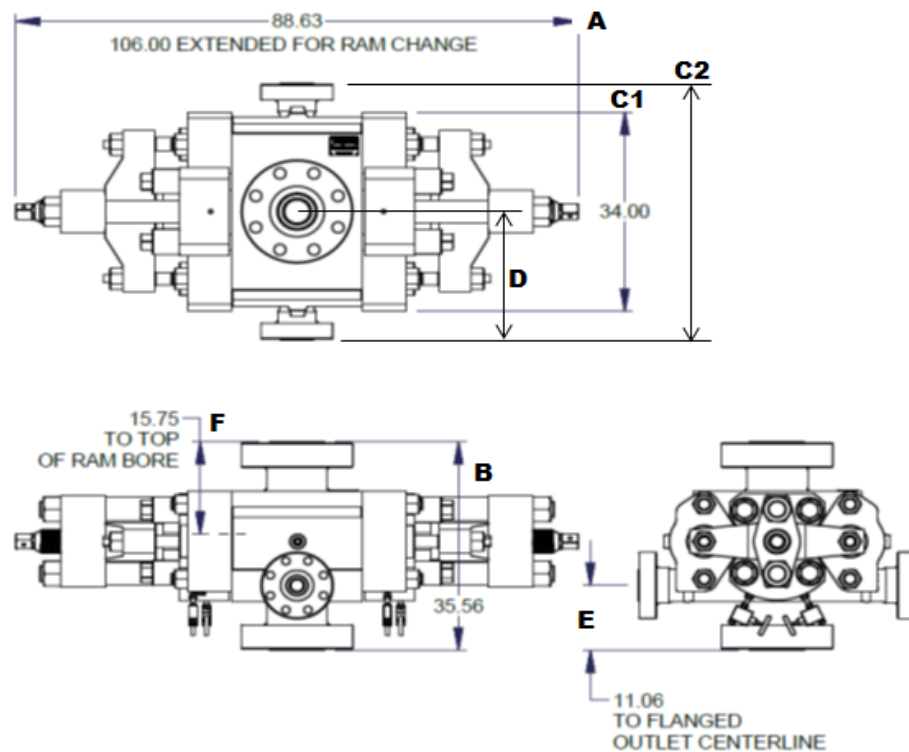
2 1/16" 5M thru 4 1/16" 15M

SPECIFICATIONS

DIMENSIONAL DATA

Axon Type 59 BOP Single 4-1/16" 20K

Size	Pressure rating (PSI)	Vertical Bore (inches)	Single Approx. Weight (lbs)
4 - 1/16"	20,000	4 - 1/16"	6,700.00



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

A-1 Length - bonnets closed, locking screws locked

A-2 Length - bonnets opened, locking screws unlocked.

B Height - flanged

C-1 Width - no side outlets

C-2 Width - with side outlets

D Centerline of preventer to outlet flange.

This distance is variable and must be determined per individual specifications.

E Centerline of side outlet to bottom flange face

F Top of ram to top flange face

English Units (inches)

A-1	A-2	B	C-1	C-2	D	E	F	English Units (lbs)
88.630	106.000	35.560	34.000	44.500	-	11.060	15.750	Approx. Weight (lbs)
								6,700.000

Metric Units (m)

A-1	A-2	B-1	C-1	C-2	D	E	F	Metric Units (kg)
2.251	2.692	0.903	0.864	1.130	-	280.924	400.050	Approx. Weight (kg)
								3,039.069