



# SUNNDA CORPORATION

Boost Your Bottom Line!

## Pressure Control Equipment



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# Sunnda Corporation

SUNNDA CORPORATION is an American Company headquartered in Houston, Texas, USA, a leading manufacturer and distributor of pressure control products including annular blowout preventers, ram blowout preventers, diverters, drilling spools, spacer spools, double studded adapters, BOP closing units, choke and kill manifolds, and packing elements, ram assemblies, etc. spare parts used in oil and gas industry.

We comply with strict quality control processes, which guarantee that our products are produced to the highest industry standards. This ensures that the products you receive from Sunnda will be consistently produced to the highest quality which meet or exceed OEM specifications.

Sunnda knows the various needs of the oilfield service companies and operators worldwide. One important thing about us is that we are able to supply quality products to our customers with competitive prices. Customers who buy equipment from us can benefit from great savings and get their products in time.



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# Annular Blowout Preventers (API-16A)

Type S and type G annular blowout preventers: sizes and models are in the table below. Type S annular blowout preventers have bolted-cover and wedge-cover; type G annular type blowout preventers have screwed-head and latched-head. Our blowout preventers are manufactured in accordance with API Specification 16A, Third Edition and NACE MR0175 per API Specification 16A, Temperature T20. They meet the applicable API and NACE requirements for H2S service.



## Annular BOP Sizes and Models

Working Pressure (psi)	Bore Size (inches)							
	7-1/16	9	11	13-5/8	16-3/4	18-3/4	20-3/4	21-1/4
10,000								
5,000								
3,000								
2,000								

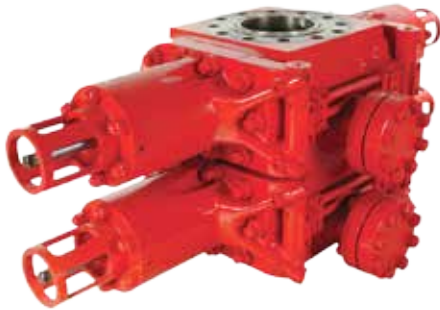
## Annular BOP Specifications\*

Bore (inches)	7-1/16		9		11			13-5/8			20-3/4	21-1/4
<b>Working Pressure (psi)</b>	3,000	5,000	3,000	5,000	3,000	5,000	10,000	3,000	5,000	10,000	3,000	2,000
<b>Operating Pressure (psi)</b>	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
<b>Gallons to Close</b>	4.92	4.57	7.23	11.05	11.00	18.67	30.58	23.50	23.58	40.16	43.40	31.10
<b>Gallons to Open</b>	3.43	3.21	5.03	8.72	6.78	14.95	24.67	14.67	17.41	32.64	26.90	18.90
<b>Width (inches)</b>	29	29	35-1/2	40	39-7/8	44-3/4	57	46-3/8	50	64-1/2	54-1/8	52-3/4
<b>Height (inches), Studded Top, Flanged Bottom</b>	29-1/8	30-7/8	32-1/2	36-1/2	32-7/8	41-1/2	53	40-11/16	44-15/16	58-3/4	48-7/16	52-1/2
<b>Weight (lbs), Studded Top, Flanged Bottom</b>	2,900	3,175	4,775	6,800	5,825	9,550	23,000	9,100	13,650	32,475	14,600	15,100
<b>Ring Gasket</b>	R-45	R-46	R-49	R-50	R-53	R-54	BX-158	R-57	BX-160	BX-159	R-74	R-73

\*This is only a partial listing of our ram blowout preventers. Data in this table are for reference only.

## Ram Blowout Preventers (API-16A)

LWP, LWS, SL/SLX, LXT style, and type U style ram blowout preventers; their sizes, models and technical specifications are in the following tables. Our blowout preventers are manufactured in accordance with API Specification 16A, Third Edition and NACE MR0175 per API Specification 16A, Temperature T20. They meet the applicable API and NACE requirements for H2S service.



### Ram BOP Sizes and Models

Working Pressure (psi)	Bore Size (inches)								
	7-1/16	9	11	13-5/8	16-3/4	18-3/4	20-3/4	21-1/4	26-3/4
15,000									
10,000									
5,000									
3,000									
2,000									

### LWP, LWS, SL/SLX Style Ram BOP Specifications \*

Bore (inches)	7-1/16		9		11			13-5/8			20-3/4	21-1/4
<b>Working Pressure (psi)</b>	5,000	10,000	3,000	5,000	3,000	5,000	10,000	3,000	5,000	10,000	3,000	2,000
<b>Length (inches)</b>	58-1/4	79	60	79-1/8	72-5/8	89-1/4	122-3/4	130-1/4	130-1/4	128-3/4	127-1/2	127-1/2
<b>Width (inches)</b>	21-1/2	30	21-1/2	23-1/16	25-15/16	28-3/4	38-9/16	40-3/4	40-3/4	43-1/16	41-1/4	40-7/8
<b>Height (inches), Single, Stud x Stud</b>	15	22-7/8	11-1/8	14-1/2	14-1/2	19-1/2	23-1/2	17-1/4	17-1/4	28	23-1/8	23-1/8
<b>Height (inches), Double, Stud x Stud</b>	26-3/4	36-5/8	22	29-1/2	29-3/8	33	40-7/8	34	34	46	49-1/4	44-7/16
<b>Weight (lbs), Single, Stud x Stud</b>	1,385	5,550	1,170	2,870	2,116	4,150	11,100	8,400	8,800	13,200	7,448	7,285
<b>Weight (lbs), Double, Stud x Stud</b>	2,504	9,900	2,200	5,750	4,096	7,725	20,560	15,350	15,620	23,400	14,615	14,455
<b>Gallons to Open</b>	1.18	2.34	0.68	2.27	1.45	2.62	7.0	4.46	4.46	10.52	4.46	4.46
<b>Gallons to Close</b>	1.45	2.72	0.77	2.58	1.74	2.98	9.45	5.44	5.44	10.58	5.07	5.07
<b>Closing Ratio</b>	5.45:1	7.11:1	4.5:1	5.57:1	5.45:1	5.57:1	7.11:1	5.54:1	5.54:1	7.11:1	5.57:1	5.57:1

\*This is only a partial listing of our ram blowout preventers. Data in this table are for reference only.



## Type U Style Ram BOP Specifications \*

Bore (inches)	7-1/16		11				13-5/8				20-3/4	21-1/4
Working Pressure (psi)	5,000	10,000	3,000	5,000	10,000	15,000	3,000	5,000	10,000	15,000	3,000	2,000
Length (inches)	74	74	95.25	96.25	96.25	124	112.13	112.13	114.13	139.00	143.69	143.69
Width (inches)	20.25	20.63	25.13	25.13	25.75	32	29.25	29.25	30.25	39.50	39.52	39.52
Height (inches), Single, Flange x Flange	27.50	30.56	29.06	34.31	35.69	44.81	31.31	33.81	41.69	53.69	40.56	37.9
Height (inches), Double, Flange x Flange	44.19	48.63	49.25	54.50	55.88	69.75	53.38	55.88	66.63	81.75	66.13	62.75
Weight (lbs), Single, Flange x Flange	2,800	3,550	5,300	5,600	6,400	10,300	7,200	7,700	10,300	23,700	13,650	13,250
Weight (lbs), Double, Flange x Flange	5,200	6,400	9,900	10,200	11,300	18,400	14,300	14,800	18,400	43,250	25,550	25,150
Locking Screw Turns (Each End)	18	18	27	27	27	32	32	32	32	45	46	46
Gallons to Open	1.3	1.3	3.4	3.4	3.4	5.7	5.5	5.5	5.5	10.4	8.1	9.0
Gallons to Close	1.3	1.3	3.5	3.5	3.5	5.8	5.8	5.8	5.8	10.6	8.7	8.7
Closing Ratio	6.9:1	6.9:1	7.3:1	7.3:1	7.3:1	9.8:1	7.0:1	7.0:1	7.0:1	10.6:1	7.0:1	7.0:1

\*This is only a partial listing of our ram blowout preventers. Data in this table are for reference only.

## Diverters

29-1/2", 500 psi diverters.

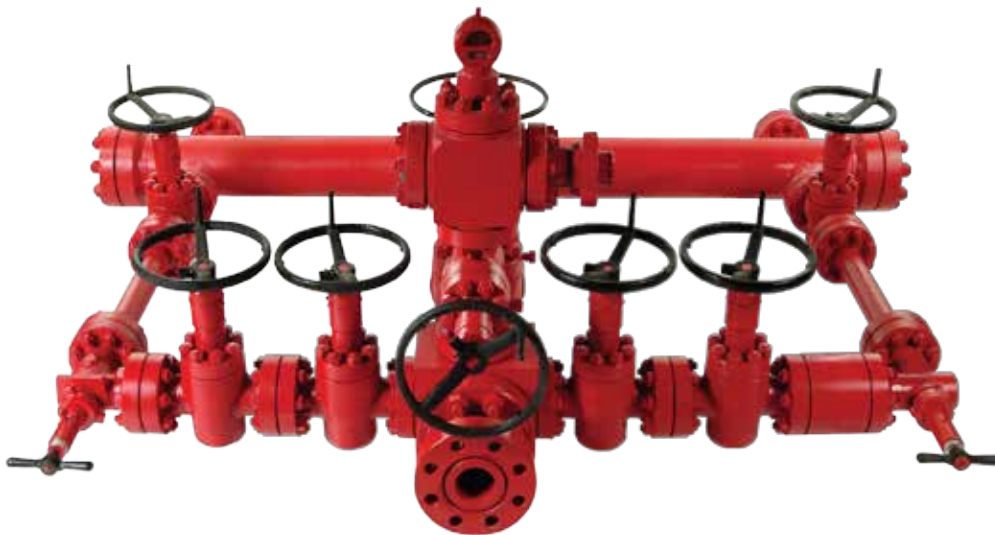


## BOP Control Systems (API-16D)

We supply a wide range of BOP closing units; the number of control object is from 1 to 14.



## Choke and Kill Manifolds (API-16C)



### Notes:

Working Temperature: -20 - 250 °F

Material Class: AA BB CC DD EE FF

Working Medium: Mud, Petroleum, Natural Gas.

Specification Level: PSL1 - PSL4

Performance Level: PR1 - PR2



## Spools & DSAs

Drilling spools, spacer spools, adapter spools, double studded adapters (DSA) in various sizes and pressures.



Drilling Spool



Spacer Spool



DSA

## BOP Parts

Annular and ram BOP parts for all the popular OEMs - packing elements, ram assemblies, ram blocks, ram rubbers, etc.



Packing Element



Packing Element



Ram Blocks



Ram Blocks



Ram Blocks



Ram Rubber



# Sunnda Customer Locations



# SUNNDA



Houston, USA



## **Sunnda Corporation**

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