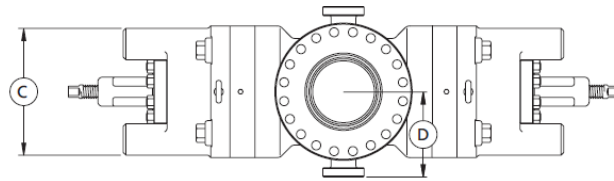
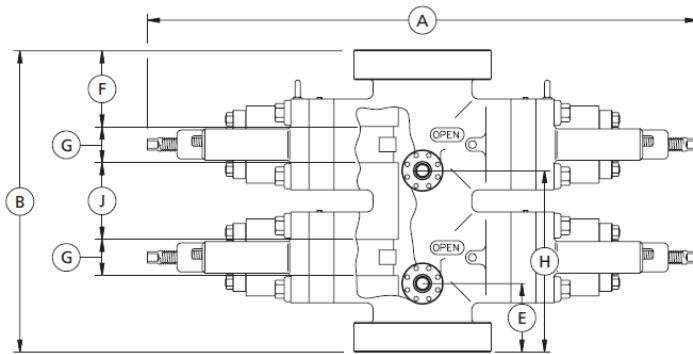




**Double Open Faced Flange or Clamp Hub Dimensions**



Top View - Single or Double U BOP



Side View - Double U BOP

**Specifications**

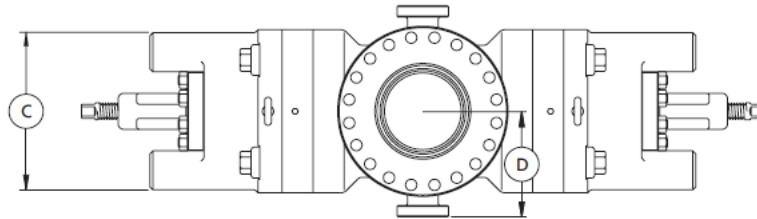
Size (in.)	Press. Rating (psi)	Vert. Bore (in.)	A-1 (in.)	A-2 (in.)	A-3 (in.)	A-4 (in.)	B-1 (in.)	B-2 (in.)	B*** (in.)	C (in.)	E-1 (in.)	E-2 (in.)	F-1 (in.)	F-2 (in.)	G (in.)	H-1 (in.)	H-2 (in.)	J (in.)	Approx. Weight (lb)	
7-1/16*	3000	7-1/16	74.00	109.50	-	-	41.00	-	18.56	20.25	8.75	-	7.84	-	5.50	25.69	-	11.44	5000	
7-1/16*	5000	7-1/16	74.00	109.50	-	-	44.19	41.88	18.81	20.25	10.41	9.25	9.63	8.47	5.50	27.09	25.94	11.19	5200	
7-1/16	10,000	7-1/16	74.00	109.50	-	-	48.63	45.25	17.44	20.63	11.06	9.38	12.03	10.34	5.50	29.13	27.44	12.56	6400	
7-1/16	15,000	7-1/16	74.00	109.50	-	-	49.88	-	17.44	20.63	11.69	-	12.66	-	5.50	29.75	-	12.56	6750	
11*	3000	11	96.25	146.88	-	-	49.25	-	16.56	25.13	9.81	-	10.53	-	6.75	30.00	-	13.44	9900	
11*	5000	11	96.25	146.88	110.13	150.19	54.50	49.50	16.56	25.13	12.44	9.94	13.16	10.66	6.75	32.63	30.13	13.44	10,200	
11*	10,000	11	96.25	146.88	110.13	150.19	55.88	52.38	16.56	25.75	13.13	11.38	13.84	12.09	6.75	33.31	31.56	13.44	11,300	
11* Model 79	15,000	11	124.00	175.31	124.50	167.13	69.75	58.81	14.31	32.00	16.69	11.22	17.78	12.31	9.25	41.63	36.16	15.69	18,400	
13-5/8	3000	13-5/8	112.13	171.50	122.69	166.06	53.38	-	15.44	29.25	10.31	-	11.53	-	7.50	32.38	-	14.56	14,300	
13-5/8	5000	13-5/8	112.13	171.50	122.69	166.06	55.88	54.00	15.44	29.25	11.56	10.63	12.78	11.84	7.50	33.63	32.69	14.56	14,800	
13-5/8	10,000	13-5/8	114.13	172.75	124.69	167.31	66.63	57.75	12.56	30.25	15.13	10.69	12.66	17.09	12.66	7.50	40.06	35.63	17.44	18,400
13-5/8 Mod B*	15,000	13-5/8	139.00	214.38	152.25	205.50	81.75	70.13	9.94	39.50	21.38	15.50	22.84	17.00	8.00	49.44	43.56	20.06	43,250	
16-3/4" Mod B	3000	16-3/4	127.25	204.56	147.25	199.38	65.88	57.56	13.44	35.75	13.31	9.16	15.41	11.25	9.25	39.13	34.97	16.56	26,650	
16-3/4 Mod B	5000	16-3/4	129.25	202.13	149.25	202.25	68.88	60.75	13.44	35.75	14.81	10.75	16.91	12.84	9.25	40.63	36.56	16.56	26,940	
16-3/4*	10,000	16-3/4	139.00	218.38	155.50	212.00	77.75	70.00	11.19	39.50	19.38	15.50	20.22	16.34	9.25	47.44	43.56	18.81	43,500	
18-3/4	10,000	18-3/4	156.38	242.13	166.50	226.63	87.13	74.00	10.88	42.50	20.50	13.88	22.00	15.34	12.00	51.50	44.88	19.13	56,950	
20-3/4	3000	20-3/4	143.69	226.812	163.94	223.88	66.13	58.88	12.44	39.52	14.31	10.69	16.28	12.66	8.00	39.88	36.25	17.56	25,550	
21-1/4	2000	21-1/4	143.69	226.81	163.94	223.88	62.75	58.88	12.44	39.52	12.63	10.69	14.59	12.66	8.00	38.19	36.25	17.56	25,150	
21-1/4	5000	21-1/4	164.25	247.25	180.94	239.25	82.38	74.00	12.38	42.50	17.97	17.19	18.72	14.69	13.50	49.03	45.00	17.63	58,000	
21-1/4*	10,000	21-1/4	163.38	250.38	181.13	239.50	100.06	87.06	9.44	47.25	24.53	18.03	26.25	19.75	13.50	58.59	52.09	20.56	65,500	
26-3/4	3000	26-3/4	169.63	275.38	-	-	78.88	-	7.44	46.25	17.44	-	19.91	-	8.00	48.00	-	22.56	44,200	

\* Available with stud X flange connection  
 Weights shown are for flange X flange top/bottom

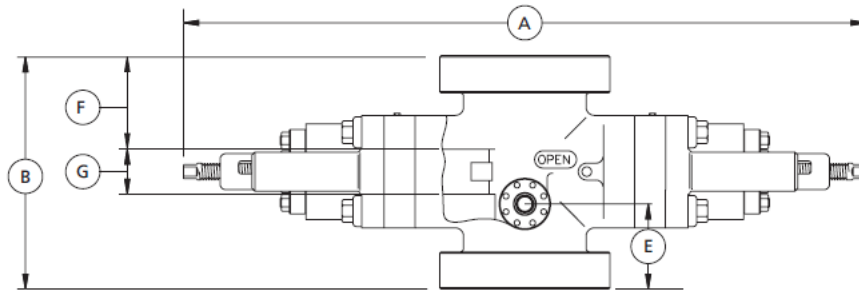
**Note:** All weights listed are based on utilizing closed die forgings.



**Single Open Faced Flange or Clamp Hub Dimensions**



Top View Single or Double U BOP



Side View Single U BOP

**Specifications**

Size (in.)	Pressure Rating (psi)	Vertical Bore (in.)	A-1 (in.)	A-2 (in.)	A-3 (in.)	A-4 (in.)	B-1 (in.)	B-2 (in.)	C (in.)	E-1 (in.)	E-2 (in.)	F-1 (in.)	F-2 (in.)	G (in.)	Approx. Weight (lb)
7-1/16*	3000	7-1/16	74.00	109.50	-	-	24.06	-	20.25	8.75	-	7.84	-	5.50	2600
7-1/16*	5000	7-1/16	74.00	109.50	-	-	27.50	25.19	20.25	10.41	9.25	9.63	8.47	5.50	2800
7-1/16	10,000	7-1/16	74.00	109.50	-	-	30.56	27.19	20.63	11.06	9.38	12.03	10.34	5.50	3550
7-1/16	15,000	7-1/16	74.00	109.50	-	-	31.81	-	20.63	11.69	-	12.66	-	5.50	3800
11*	3000	11	96.25	146.88	-	-	29.06	-	25.13	9.81	-	10.53	-	6.75	5300
11*	5000	11	96.25	146.88	110.13	150.19	34.31	29.31	25.13	12.44	9.94	13.16	10.66	6.75	5600
11*	10,000	11	96.25	146.88	110.13	150.19	35.69	32.19	25.75	13.13	11.38	13.84	12.09	6.75	6400
11 Model 79	15,000	11	124.00	175.31	124.50	167.13	44.81	33.88	32.00	16.69	11.22	17.78	12.31	9.25	10,300
13-5/8	3000	13-5/8	112.13	171.50	122.69	166.06	31.31	-	29.25	10.31	-	11.53	-	7.50	7200
13-5/8	5000	13-5/8	112.13	171.50	122.69	166.06	33.81	31.94	29.25	11.56	10.63	12.78	11.84	7.50	7700
13-5/8	10,000	13-5/8	114.13	172.75	124.69	167.31	41.69	32.81	30.25	15.13	10.69	17.09	12.66	7.50	10,300
13-5/8 Model B*	15,000	13-5/8	139.00	214.38	152.25	205.50	53.69	42.00	39.50	21.38	15.50	22.84	17.00	8.00	23,700
16-3/4 Model B	3000	16-3/4	127.25	204.56	147.25	199.38	40.06	31.75	35.75	13.31	9.16	15.41	11.25	9.25	13,700
16-3/4 Model B	5000	16-3/4	129.25	202.13	149.25	202.25	43.06	34.94	35.75	14.81	10.75	16.91	12.84	9.25	13,750
16-3/4*	10,000	16-3/4	139.00	218.38	155.50	212.00	49.69	41.94	39.50	19.38	15.50	20.22	16.34	9.25	23,300
18-3/4	10,000	18-3/4	156.38	242.13	166.50	226.63	56.00	43.23	42.50	20.50	13.88	22.00	15.34	12.00	28,900
20-3/4	3000	20-3/4	143.69	226.81	163.94	223.88	40.56	33.31	39.52	14.31	10.69	16.28	12.66	8.00	13,650
21-1/4	2000	21-1/4	143.69	226.81	163.94	223.88	37.9	33.31	39.52	12.63	10.69	14.59	12.66	8.00	13,250
21-1/4	5000	21-1/4	164.25	247.25	180.94	239.25	50.94	46.13	42.50	17.97	17.19	18.72	14.69	13.50	30,000
21-1/4*	10,000	21-1/4	163.38	250.38	181.13	239.50	66.00	53.00	47.25	24.53	18.03	26.25	19.75	13.50	34,650
26-3/4	3000	26-3/4	169.63	275.38	-	-	48.31	-	46.25	17.44	-	19.91	-	8.00	24,000

\* Available with stud X flange connection

Weights shown are for flange X flange top/bottom

**Note:** All weights listed are based on utilizing closed die forgings.