



522 Series: Bolted Bonnet

516 Series: Welded Bonnet

STANDARDS				
DESIGN:	API 602	TESTING:	API 598	
	MSS SP-118		CONNECTIONS:	NPT - ASME B1.20.1
	ASME B16.34			SW - ASME B16.11
	FACE TO FACE-ASME B16.10			BW- ASME B16.25
PRESSURE CLASS:	NPT, SW & BW - 800, 1500	FLANGED - ASME B16.5		
	FLANGED - 150, 300, 600, 1500			

DIMENSIONS																WGT.(lb/kg)										
SIZE		AT/AS 800	AF- 150	AF-300	AF-600	B (Min)	C (Min)	D (Min)- NPT/ SW	D (Min)- RF	EC- NPT/ SW (522)	EO- NPT/ SW (522)	EC- NPT/ SW (516)	EO- NPT/ SW (516)	EC RF (522)	EO RF (522)	H	150 (522)	150 (516)	300 (522)	300 (516)	600 (522)	600 (516)	800 (522)	800 (516)		
1/4	Inch	3.62	/	/	/	0.39	0.56	0.27	/	5.87	6.34	6.10	6.65	/	/	3.94	/	/	/	/	/	/	/	/	5.07	5.73
	mm	92.0	/	/	/	10.0	14.2	6.8	/	149.0	161.0	155.0	169.0	/	/	100.0	/	/	/	/	/	/	/	/	2.3	2.6
3/8	Inch	3.62	/	/	/	0.39	0.69	0.37	/	5.87	6.34	6.10	6.65	/	/	3.94	/	/	/	/	/	/	/	/	4.85	5.51
	mm	92.0	/	/	/	10.0	17.6	9.5	/	149.0	161.0	155.0	169.0	/	/	100.0	/	/	/	/	/	/	/	/	2.2	2.5
1/2	Inch	3.62	4.25	5.98	6.50	0.39	0.86	0.49	0.49	5.87	6.34	6.10	6.65	5.87	6.34	3.94	8.82	8.82	11.24	11.02	17.20	16.53	5.07	4.41		
	mm	92.0	108.0	152.0	165.0	10.0	21.8	12.5	12.5	149.0	161.0	155.0	169.0	149.0	161.0	100.0	4.0	4.0	5.1	5.0	7.8	7.5	2.3	2.0		
3/4	Inch	4.37	4.61	7.01	7.48	0.51	1.07	0.69	0.69	6.97	7.60	7.60	8.07	6.97	7.60	4.72	13.65	13.45	15.87	15.43	27.56	27.34	8.38	8.60		
	mm	111.0	117.0	178.0	190.0	13.0	27.2	17.5	17.5	177.0	193.0	193.0	205.0	177.0	193.0	120.0	6.2	6.1	7.2	7.0	12.5	12.4	3.8	3.9		
1	Inch	4.72	5.00	7.99	8.50	0.51	1.33	0.89	0.89	8.35	9.06	8.66	9.41	8.35	9.06	6.30	21.16	20.72	25.35	24.25	37.48	37.04	13.01	13.01		
	mm	120.0	127.0	203.0	216.0	13.0	33.9	22.5	22.5	212.0	230.0	220.0	239.0	212.0	230.0	160.0	9.6	9.4	11.5	11.0	17.0	16.8	5.9	5.9		
1-1/4	Inch	5.98	5.51	8.50	9.02	0.51	1.68	1.12	1.12	8.82	9.76	9.13	9.88	8.82	9.76	6.30	23.15	22.05	29.76	28.66	51.81	50.71	16.75	16.75		
	mm	152.0	140.0	216.0	229.0	13.0	42.7	28.5	28.5	224.0	248.0	232.0	251.0	224.0	248.0	160.0	10.5	10.0	13.5	13.0	23.5	23.0	7.6	7.6		
1-1/2	Inch	6.77	6.50	9.02	9.49	0.51	1.92	1.40	1.40	9.92	11.10	10.55	11.42	9.92	11.10	8.66	37.48	36.38	43.43	41.89	85.54	84.88	22.71	26.46		
	mm	172.0	165.0	229.0	241.0	13.0	48.8	35.5	35.5	252.0	282.0	268.0	290.0	252.0	282.0	220.0	17.0	16.5	19.7	19.0	38.8	38.5	10.3	12.0		
2	Inch	8.66	7.99	10.51	11.50	0.65	2.41	1.75	1.75	12.44	13.66	11.77	12.87	12.44	13.66	8.66	48.50	48.50	54.45	52.91	96.56	94.80	49.38	38.58		
	mm	220.0	203.0	267.0	292.0	16.5	61.2	44.5	44.5	316.0	347.0	299.0	327.0	316.0	347.0	220.0	22.0	22.0	24.7	24.0	43.8	43.0	22.4	17.5		

DIMENSIONS-1500												WGT.(lb/kg)	
SIZE		AT/AS (522)	AT/AS (516)	B (Min)	C (Min)	D-NPT/SW (Min)	EC-NPT/ SW(522)	EO-NPT/ SW(522)	EC-NPT/ SW(516)	EO-NPT/ SW(516)	H	NPT/SW (522)	NPT/SW (516)
1/2	Inch	4.37	4.37	0.39	0.86	0.37	6.97	7.60	7.60	8.07	4.72	8.82	8.82
	mm	111.0	111.0	10.0	21.8	9.5	177.0	193.0	193.0	205.0	120.0	4.0	4.0
3/4	Inch	4.72	4.72	0.51	1.07	0.59	8.46	9.06	8.58	9.41	6.30	13.23	13.45
	mm	120.0	120.0	13.0	27.2	15.0	215.0	230.0	218.0	239.0	160.0	6.0	6.1
1	Inch	5.98	5.98	0.51	1.33	0.79	8.94	9.76	9.13	9.88	6.30	17.20	17.42
	mm	152.0	152.0	13.0	33.9	20.0	227.0	248.0	232.0	251.0	160.0	7.8	7.9
1-1/4	Inch	6.77	6.77	0.51	1.68	1.02	10.16	11.10	10.55	11.42	8.66	24.69	27.12
	mm	172.0	172.0	13.0	42.7	26.0	258.0	282.0	268.0	290.0	220.0	11.2	12.3
1-1/2	Inch	6.77	6.77	0.51	1.92	1.12	10.16	11.10	10.55	11.42	8.66	24.25	27.12
	mm	172.0	172.0	13.0	48.8	28.5	258.0	282.0	268.0	290.0	220.0	11.0	12.3
2	Inch	8.66	8.66	0.65	2.41	1.44	11.93	13.07	11.77	12.87	8.66	45.19	39.68
	mm	220.0	220.0	16.5	61.2	36.5	303.0	332.0	299.0	327.0	220.0	20.5	18.0