



COMPOSITE PRESSURE VESSELS

for Aircraft and Missiles

Part Number	Minimum Volume (in ³)	Diameter x Length (in)	MEOP (psig)	Minimum Burst Pressure (psig)	Maximum Weight (lbs)
220137-1	16	1.77 x 16.06	8,000	22,000	0.78
220166-1	21	2.65 x 7.5	10,000	20,000	0.90
220133-1	30	2.75 x 10.37	10,000	20,000	0.97
220129-1	67	5.43 x 6.14	2,437	4,874	1.14
220128-1	91	5.79 x 7.65	8,485	16,970	2.27
220120-1	103	5.20 x 9.56	10,000	20,000	2.76
220120-2	103	5.25 x 9.71	10,000	24,200	2.98
220127-1	104	5.79 x 8.71	9,457	18,914	2.86
220164-1	120	5.29 x 10.67	10,000	24,700	3.30
220060-44	175	5.07 x 17.23	4,200	9,337	7.60
220114-1	198	5.20 x 15.45	10,000	20,000	3.97
220060-41	249	5.50 x 19.06	4,000	8,900	7.85
220060-43	261	5.07 x 22.91	4,900	10,900	9.85
220060-42	305	7.12 x 16.31	5,000	11,100	10.98
220119-1	340	6.63 x 14.50	4,000	10,000	4.25
220131-1	390	7.06 x 15.50	10,000	20,000	7.25
220007	435	5.01 x 28.78	3,000	7,200	6.00
220149-1	451	5.25 x 28.99	6,286	18,858	7.80
220063	490	10.43 x 11.02	3,200	7,150	6.00
220043	600	8.24 x 16.96	1,543	3,425	9.40
220083-1	720	8.39 x 20.27	3,500	9,900	9.70
220083-2	720	8.63 x 20.27	3,500	14,000	16.76
220034	775	8.64 x 21.41	3,250	7,200	16.20
220035	775	8.50 x 21.90	3,080	7,700	9.80
220084	775	8.64 x 21.41	3,250	7,200	16.20
220068	1,250	13.66 x 15.80	4,350	10,150	26.75
220150-1	1,906	8.52 x 44.30	6,286	18,858	26.80
220140-1	4,666	13.90 x 50.00	3,050	9,000	67.30
220168-1	24,000	19.15 x 114.00	4,600	10,350	282.00
220167-1	33,110	26.5 x 81.3	1,630	3,668	310.00

COMPOSITE PRESSURE VESSELS

for Spacecraft and Launch Vehicles

Part Number	Minimum Volume (in ³)	DIMENSIONS	PRESSURES (psig)		Maximum Weight (lbs)*
		DIA X OAL (in)	MEOP	Minimum Burst	
220148-1	220	5.76 x 14.33	8,500	21,250	5.3
220130-1	260	5.0 x 18.03	3,750	11,700	3.5
220147-1	300	5.76 x 17.8	8,500	21,250	6.55
220135-1	340	6.63 x 14.45	4,000	8,000	4.5
220063	490	10.43 x 11.02	3,200	7,150	6
220088-1,3	490	10.3 x 11.02	5,000	10,000	5.3
220088-2	490	10.57 x 11.02	5,000	12,500	6.5
220139-2	490	10.3 x 11.02	3,043	7,608	6.6
220069	541	10.66 x 11.82	4,074	8,148	6.8
220155-1	655	8.5 x 17	2,630	5,260	7.55
220111	880	13.7 x 12.8	5,075	10,150	19
10070890	1,890	17.1 x 14.95	4,000	8,560	17
220074	2,550	18.19 x 19.23	5,000	10,050	33.5
2200153-1	2,550	18.9 x 19.23	5,000	10,050	33.5
220098	3,010	18.71 x 19.18	4,000	6,000	20.05
220121-2	3,010	13.02 x 34.5	4,000	6,000	17.05
220142-2	4,000	12.94 x 37.94	2,700	4,050	20
220145-2	4,000	13.04 x 36.98	4,000	6,000	23.7
220134-1	4,200	12.5 x 42.98	3,500	5,250	22.14
220134-2	4,200	12.65 x 42.98	2,500	7,200	27.6
220165-1	5,000	12.94 x 50.6	2,700	4,050	24.5
10070504-2	6,127	15.2 x 42.3	4,800	7,200	38.4
220086-11	8,181	26.13 x 26.31	4,000	6,000	72.5
10070504-5	9,097	15.2 x 60.4	4,800	7,200	53.1
220132-1	11,500	20 x 47.6	3,000	6,000	75
220122-1	14,212	20.6 x 56.5	3,726	7,500	90.4
10071224-1	14,212	20.6 x 54.5	3,000	7,500	92
220062	18,817	35.77 x 36.86	3,000	12,000	280
10070799	26,093	23.3 x 82.1	6,000	13,500	276
220126-2	31,600	24 x 78.44	300	450	43.4
10070804	42,855	27.3/43 x 66	6,600	13,500	685
10071204	46,138	36 x 63	4,500	10,000	370
220141-1	66,420	40 x 74.5	4,600	6,900	393
10070930	376,000	90 x 78	850	1,800	1,240

*Weight based on specification, actual value may be lower.

GENERAL DYNAMICS
Ordnance and Tactical Systems

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