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SUPPLEMENTARY ONLINE MATERIAL FOR

**Virtual 3D modeling of the ammonoid conch to study
its hydrostatic properties**

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Supplementary Online Material

SOM 1. Geometry data for each studied specimen.

SOM 2. Mean values of hydrostatic data used in this study.

SOM 3. Hydrostatic results for *M. seymourianus* models.

SOM 4 and SOM 5. Blender native files of the *M. seymourianus* virtual model and guiding instructions available at http://app.pan.pl/SOM/app65-Moron-Alfonso_etal_SOM/SOM4_5.rar

SOM 1. Geometry data for each studied specimen. Abbreviations: dm, diameter; r, radius; θ , angle.

Specimen	dm	r	θ (rad)	Specimen	dm	r	θ (rad)
CPBA-16847	140.80	82.30	0.00	CPBA-16805	131.10	75.80	0.61
CPBA-16847	100.60	58.90	3.14	CPBA-16805	95.50	55.00	3.75
CPBA-16847	70.10	42.20	6.28	CPBA-16805	67.10	40.80	6.89
CPBA-16847	47.40	27.90	9.42	CPBA-16805	42.50	25.30	10.03
CPBA-16847	30.00	19.20	12.57	CPBA-16805	27.80	17.40	13.17
CPBA-16847	18.20	11.40	15.71	CPBA-16805	17.80	10.50	16.32
CPBA-16847	11.90	9.45	18.85	CPBA-16805	12.00	7.70	19.46
CPBA-16847	137.90	82.60	0.52	CPBA-16805	120.50	71.30	1.13
CPBA-16847	95.70	55.10	3.67	CPBA-16805	84.90	49.20	4.27
CPBA-16847	66.00	40.40	6.81	CPBA-16805	59.00	35.70	7.41
CPBA-16847	43.90	26.20	9.95	CPBA-16805	39.20	23.30	10.56
CPBA-16847	28.20	18.10	13.09	CPBA-16805	25.07	15.90	13.70
CPBA-16847	18.50	9.37	16.23	CPBA-16805	14.67	9.17	16.84
CPBA-16847	12.40	8.70	19.37	CPBA-16805		5.50	19.98
CPBA-16847	7.80		22.51	CPBA-16805		67.90	1.65
CPBA-16847	129.50	78.60	1.05	CPBA-16805			0.61
CPBA-16847	88.90	51.20	4.19	CPBA-16805	57.20	33.20	7.94
CPBA-16847	61.60	37.40	7.33	CPBA-16805	37.70	24.00	11.08
CPBA-16847	42.00	24.00	10.47	CPBA-16805	22.20	13.70	14.22
CPBA-16847	27.20	17.70	13.61	CPBA-16805	13.90	8.50	17.36
CPBA-16847	17.00	9.60	16.76	CPBA-16805		5.40	20.50
CPBA-16847	10.30	8.20	19.90	CPBA-16805		64.20	2.18
CPBA-16847	6.80		23.04	CPBA-16805			0.61
CPBA-16847	122.00	73.40	1.57	CPBA-16805	53.40	30.20	8.46
CPBA-16847	83.20	48.60	4.71	CPBA-16805	35.60	23.20	11.60
CPBA-16847	58.80	35.00	7.85	CPBA-16805	21.50	12.40	14.74
CPBA-16847	40.30	24.20	11.00	CPBA-16805	14.40	9.10	17.89
CPBA-16847	25.00	15.90	14.14	CPBA-16805		5.30	21.03
CPBA-16847	16.80	8.90	17.28	CPBA-16805	102.50	61.30	2.70
CPBA-16847	11.70	5.60	20.42	CPBA-16805	69.90	41.20	5.84
CPBA-16847	115.00	69.30	2.09	CPBA-16805	49.80	28.70	8.98
CPBA-16847	78.40	45.60	5.24	CPBA-16805	34.30	21.10	12.13
CPBA-16847	53.60	32.60	8.38	CPBA-16805	21.31	13.20	15.27
CPBA-16847	34.90	20.40	11.52	CPBA-16805		8.11	18.41

CPBA-16847	22.80	14.00	14.66	CPBA-16805	100.30	58.90	3.23
CPBA-16847	14.70	8.40	17.80	CPBA-16805	68.30	41.40	6.37
CPBA-16847	10.10		20.94	CPBA-16805	45.60	26.90	9.51
CPBA-16847	107.20	62.70	2.62	CPBA-16805	31.00	18.70	12.65
CPBA-16847	75.50	44.00	5.76	CPBA-16805	19.90	12.30	
CPBA-16847	50.80	30.80	8.90	CPBA-16805		7.60	
CPBA-16847	32.30	20.20	12.04	CPBA-16814	161.20	93.80	-0.95
CPBA-16847	20.40	12.30	15.18	CPBA-16814	146.20	83.90	-0.43
CPBA-16847	13.50		18.33	CPBA-16814	143.20	81.90	0.10
CPBA-16847	8.70		21.47	CPBA-16814	131.00	76.90	0.62
CPBA-16830	100.50	56.70	2.74	CPBA-16814	128.50	75.70	1.14
CPBA-16830	72.60	43.80	5.88	CPBA-16814	122.20	71.80	1.67
CPBA-16830	49.10	28.80	9.02	CPBA-16814	114.10	67.40	2.19
CPBA-16830	32.50	20.30	12.16	CPBA-16814	106.30	62.30	2.71
CPBA-16830	21.00	12.20	15.30	CPBA-16814	102.10	61.30	3.24
CPBA-16830	14.10	8.80	18.45	CPBA-16814	91.30	54.10	3.76
CPBA-16830	9.70	5.30	21.59	CPBA-16814	89.00	52.80	4.28
CPBA-16830		4.40	24.73	CPBA-16814	83.20	50.40	4.81
CPBA-16830	89.70	49.80	3.26	CPBA-16814	78.30	46.70	5.33
CPBA-16830	65.60	39.90	6.40	CPBA-16814	72.90	44.00	5.86
CPBA-16830	44.60	25.70	9.54	CPBA-16814	68.20	40.80	6.38
CPBA-16830	30.00	18.90	12.69	CPBA-16814	63.60	37.20	6.90
CPBA-16830	20.20	11.10	15.83	CPBA-16814	60.70	36.20	7.43
CPBA-16830	13.75	9.10	18.97	CPBA-16814	56.70	32.80	7.95
CPBA-16830	9.55	4.65	22.11	CPBA-16814	55.80	31.60	8.47
CPBA-16830		4.90	25.25	CPBA-16814	47.70	28.90	9.00
CPBA-16830	82.00	45.80	3.78	CPBA-16814	44.80	27.40	9.52
CPBA-16830	60.40	36.20	6.93	CPBA-16814	43.50	26.40	10.04
CPBA-16830	42.00	24.20	10.07	CPBA-16814	40.40	24.50	10.57
CPBA-16830	27.90	17.80	13.21	CPBA-16814	38.80	23.90	11.09
CPBA-16830	18.47	10.10	16.35	CPBA-16814		24.20	11.62
CPBA-16830	13.17	8.37	19.49	CPBA-16814	25.40	18.80	12.14
CPBA-16830	9.25	4.80	22.63	CPBA-16814	24.40	17.40	12.66
CPBA-16830		4.45	25.78	CPBA-16814	22.00	17.10	13.19
CPBA-16830	78.00	44.30	4.31	CPBA-16814	20.70	15.90	13.71
CPBA-16830	56.70	33.70	7.45	CPBA-16814	18.10	14.90	14.23
CPBA-16830	39.40	23.00	10.59	CPBA-16814	16.30		
CPBA-16830	26.00	16.40	13.73	CPBA-16838	115.10	68.10	1.38
CPBA-16830	17.70	9.60	16.87	CPBA-16838	82.20	47.00	4.53

CPBA-16830	12.00	8.10	20.02	CPBA-16838	59.40	35.20	7.67
CPBA-16830	8.03	3.90	23.16	CPBA-16838	39.80	24.20	10.81
CPBA-16830		4.13	26.30	CPBA-16838	25.41	15.60	13.95
CPBA-16830	76.00	43.90	4.83	CPBA-16838	16.31	9.81	17.09
CPBA-16830	54.40	32.10	7.97	CPBA-16838		6.50	20.23
CPBA-16830	36.40	22.30	11.11	CPBA-16838	108.70	64.50	1.91
CPBA-16830	23.50	14.10	14.26	CPBA-16838	75.30	44.20	5.05
CPBA-16830	17.20	9.40	17.40	CPBA-16838	52.00	31.10	8.19
CPBA-16830	12.00	7.80	20.54	CPBA-16838	35.20	20.90	11.33
CPBA-16830	8.16	4.20	23.68	CPBA-16838	22.80	14.30	14.47
CPBA-16830		3.96	26.82	CPBA-16838	13.60	8.50	17.62
CPBA-16830	75.00	44.80	5.36	CPBA-16838		5.10	20.76
CPBA-16830	51.40	30.20	8.50	CPBA-16838	101.70	59.80	2.43
CPBA-16830	33.90	21.20	11.64	CPBA-16838	73.40	41.90	5.57
CPBA-16830	21.90	12.70	14.78	CPBA-16838	53.90	31.50	8.71
CPBA-16830	15.20	9.20	17.92	CPBA-16838	35.60	22.40	11.86
CPBA-16830	9.70	6.00	21.06	CPBA-16838	21.70	13.20	15.00
CPBA-16830		3.70	24.20	CPBA-16838	14.30	8.50	18.14
CPBA-16846	138.10	79.60	0.25	CPBA-16838		5.80	21.28
CPBA-16846	98.20	58.50	3.39	CPBA-16838	92.90	54.50	2.95
CPBA-16846	67.50	39.70	6.53	CPBA-16838	65.70	38.40	6.10
CPBA-16846	45.10	27.80	9.67	CPBA-16838	46.40	27.30	9.24
CPBA-16846	28.80	17.30	12.81	CPBA-16838	31.60	19.10	12.38
CPBA-16846	18.60	11.50	15.95	CPBA-16838	20.81	12.50	15.52
CPBA-16846		7.10	19.10	CPBA-16838	13.91	8.31	18.66
CPBA-16846	133.80	77.30	0.77	CPBA-16838		5.60	21.80
CPBA-16846	94.10	56.50	3.91	CPBA-16838			3.48
CPBA-16846	65.80	37.60	7.05	CPBA-16838	63.20	36.60	6.62
CPBA-16846	44.00	28.20	10.19	CPBA-16838	45.90	26.60	9.76
CPBA-16846	26.50	15.80	13.34	CPBA-16838	30.50	19.30	12.90
CPBA-16846	18.00	10.70	16.48	CPBA-16838		11.20	16.04
CPBA-16846		7.30	19.62	CPBA-16838			19.19
CPBA-16846	125.50	74.20	1.29	CPBA-16838			4.00
CPBA-16846	87.00	51.30	4.44	CPBA-16838	62.30	37.20	7.14
CPBA-16846	60.40	35.70	7.58	CPBA-16838	42.10	25.10	10.29
CPBA-16846	40.00	24.70	10.72	CPBA-16838	27.30	17.00	13.43
CPBA-16846	24.70	15.30	13.86	CPBA-16838		10.30	16.57
CPBA-16846	16.10	9.40	17.00	CPBA-16851	148.10	85.70	-0.63
CPBA-16846		6.70	20.14	CPBA-16851	105.70	62.40	2.52

CPBA-16846	118.40	69.90	1.82	CPBA-16851	74.60	43.30	5.66
CPBA-16846	81.50	48.50	4.96	CPBA-16851	52.60	31.30	8.80
CPBA-16846	56.10	33.00	8.10	CPBA-16851	37.50	21.30	11.94
CPBA-16846	37.50	23.10	11.24	CPBA-16851	26.50	16.20	15.08
CPBA-16846	23.21	14.40	14.38	CPBA-16851	16.99	10.30	18.22
CPBA-16846	13.52	8.81	17.53	CPBA-16851		6.69	21.37
CPBA-16846		4.71	20.67	CPBA-16851	146.30	88.10	-0.10
CPBA-16846	112.50	66.60	2.34	CPBA-16851	99.50	58.20	3.04
CPBA-16846	77.20	45.90	5.48	CPBA-16851	69.90	41.30	6.18
CPBA-16846	52.20	31.30	8.62	CPBA-16851	46.40	28.60	9.32
CPBA-16846	32.90	20.90	11.77	CPBA-16851	30.40	17.80	12.46
CPBA-16846	19.90	12.00	14.91	CPBA-16851	21.40	12.60	15.61
CPBA-16846	14.31	7.90	18.05	CPBA-16851		8.80	18.75
CPBA-16846	10.15	6.41	21.19	CPBA-16851	135.10	79.10	0.42
CPBA-16846		3.74	24.33	CPBA-16851	96.30	56.00	3.56
CPBA-16846	104.00	62.30	2.86	CPBA-16851	68.70	40.30	6.70
CPBA-16846	72.30	41.70	6.01	CPBA-16851	43.70	28.40	9.85
CPBA-16846	49.90	30.60	9.15	CPBA-16851	27.80	15.30	12.99
CPBA-16846	31.20	19.30	12.29	CPBA-16851		12.50	16.13
CPBA-16846	19.21	11.90	15.43	CPBA-16851	124.80	73.50	0.94
CPBA-16846		7.31	18.57	CPBA-16851	87.00	51.30	4.09
CPBA-16891	99.90	57.00	3.33	CPBA-16851	59.30	35.70	7.23
CPBA-16891	69.90	42.90	6.47	CPBA-16851	36.20	23.60	10.37
CPBA-16891	44.80	27.00	9.61	CPBA-16851	23.70	12.60	13.51
CPBA-16891	27.90	17.80	12.75	CPBA-16851		11.10	16.65
CPBA-16891	17.40	10.10	15.89	CPBA-16851	117.90	70.50	1.47
CPBA-16891	11.40	7.30	19.03	CPBA-16851	80.20	47.40	4.61
CPBA-16891	8.10	4.10	22.18	CPBA-16851	56.40	32.80	7.75
CPBA-16891		4.00	25.32	CPBA-16851	37.90	23.60	10.89
CPBA-16891	126.10	73.30	0.71	CPBA-16851	25.20	14.30	14.03
CPBA-16891	91.50	52.80	3.85	CPBA-16851		10.90	17.18
CPBA-16891	65.20	38.70	6.99	CPBA-16851	113.90	67.00	1.99
CPBA-16891	43.10	26.50	10.13	CPBA-16851	80.70	46.90	5.13
CPBA-16891	26.10	16.60	13.27	CPBA-16851	55.50	33.80	8.28
CPBA-16891	16.70	9.50	16.42	CPBA-16851	38.00	21.70	11.42
CPBA-16891	11.10	7.20	19.56	CPBA-16851	25.90	16.30	14.56
CPBA-16891	7.90	3.90	22.70	CPBA-16851		9.60	17.70
CPBA-16891		4.00	25.84	CPBA-16842	136.60	79.90	-0.09
CPBA-16891		70.70	1.23	CPBA-16842	100.00	56.70	3.05

CPBA-16891			4.37	CPBA-16842	71.20	43.30	6.19
CPBA-16891	59.70	37.10	7.51	CPBA-16842	47.50	27.90	9.33
CPBA-16891	37.40	22.60	10.66	CPBA-16842	31.00	19.60	12.47
CPBA-16891	23.90	14.80	13.80	CPBA-16842	20.20	11.40	15.62
CPBA-16891	14.90	9.10	16.94	CPBA-16842	13.70	8.80	18.76
CPBA-16891	8.70	5.80	20.08	CPBA-16842	8.80	4.90	21.90
CPBA-16891		2.90	23.22	CPBA-16842		3.90	25.04
CPBA-16891		65.80	1.75	CPBA-16842	136.70	81.60	0.43
CPBA-16891			4.90	CPBA-16842	95.60	55.10	3.57
CPBA-16891	55.60	33.80	8.04	CPBA-16842	67.00	40.50	6.71
CPBA-16891	34.50	21.80	11.18	CPBA-16842	44.10	26.50	9.86
CPBA-16891	20.90	12.70	14.32	CPBA-16842	28.60	17.60	13.00
CPBA-16891	14.20	8.20	17.46	CPBA-16842	18.50	11.00	16.14
CPBA-16891	9.00	6.00	20.60	CPBA-16842	11.10	7.50	19.28
CPBA-16891		3.00	23.75	CPBA-16842	7.00	3.60	22.42
CPBA-16891	107.50	62.90	2.28	CPBA-16842		3.40	25.56
CPBA-16891	75.10	44.60	5.42	CPBA-16842	128.90	76.50	0.96
CPBA-16891	51.20	30.50	8.56	CPBA-16842	89.40	52.40	4.10
CPBA-16891	33.10	20.70	11.70	CPBA-16842	61.30	37.00	7.24
CPBA-16891	20.90	12.40	14.84	CPBA-16842	41.20	24.30	10.38
CPBA-16891	14.20	8.50	17.99	CPBA-16842	27.00	16.90	13.52
CPBA-16891	8.70	5.70	21.13	CPBA-16842	17.50	10.10	16.66
CPBA-16891		3.00	24.27	CPBA-16842	11.90	7.40	19.80
CPBA-16891	103.40	59.70	2.80	CPBA-16842	8.40	4.50	22.95
CPBA-16891	73.00	43.70	5.94	CPBA-16842		3.90	26.09
CPBA-16891	49.60	29.30	9.09	CPBA-16842	121.30	72.00	1.48
CPBA-16891	31.30	20.30	12.23	CPBA-16842	83.50	49.30	4.62
CPBA-16891	19.00	11.00	15.37	CPBA-16842	58.80	34.20	7.76
CPBA-16891	13.00	8.00	18.51	CPBA-16842	40.00	24.60	10.90
CPBA-16891	8.00	5.00	21.65	CPBA-16842	25.40	15.40	14.05
CPBA-16891		3.00	24.79	CPBA-16842	16.30	10.00	17.19
CPBA-16836	140.80	83.20	0.25	CPBA-16842	10.90	6.30	20.33
CPBA-16836	97.10	57.60	3.40	CPBA-16842	7.90	4.60	23.47
CPBA-16836	64.90	39.50	6.54	CPBA-16842		3.30	26.61
CPBA-16836	42.90	25.40	9.68	CPBA-16842	115.90	68.40	2.00
CPBA-16836	29.90	17.50	12.82	CPBA-16842	79.20	47.50	5.14
CPBA-16836	19.70	12.40	15.96	CPBA-16842	54.20	31.70	8.29
CPBA-16836		7.30	19.10	CPBA-16842	36.30	22.50	11.43
CPBA-16836		79.30	0.78	CPBA-16842	23.20	13.80	14.57

CPBA-16836			3.92	CPBA-16842	14.60	9.40	17.71
CPBA-16836	61.50	36.10	7.06	CPBA-16842	9.20	5.20	20.85
CPBA-16836	41.20	25.40	10.20	CPBA-16842	7.50	4.00	23.99
CPBA-16836	27.80	15.80	13.34	CPBA-16842		3.50	27.14
CPBA-16836	18.10	12.00	16.49	CPBA-16842	105.90	61.10	2.53
CPBA-16836		6.10	19.63	CPBA-16842	74.80	44.80	5.67
CPBA-16836		71.50	1.30	CPBA-16842	50.80	30.00	8.81
CPBA-16836			4.44	CPBA-16842	33.90	20.80	11.95
CPBA-16836	58.70	34.30	7.58	CPBA-16842	22.20	13.10	15.09
CPBA-16836	39.70	24.40	10.73	CPBA-16842	14.20	9.10	18.23
CPBA-16836	26.10	15.30	13.87	CPBA-16842	8.90	5.10	21.38
CPBA-16836	15.80	10.80	17.01	CPBA-16842		3.80	24.52
CPBA-16836		5.00	20.15				
CPBA-16836	116.50	68.40	1.82				
CPBA-16836	79.30	48.10	4.97				
CPBA-16836	55.40	31.20	8.11				
CPBA-16836	38.20	24.20	11.25				
CPBA-16836	23.90	14.00	14.39				
CPBA-16836		9.90	17.53				
CPBA-16836	111.00	64.50	2.35				
CPBA-16836	76.80	46.50	5.49				
CPBA-16836	51.50	30.30	8.63				
CPBA-16836	34.80	21.20	11.77				
CPBA-16836	21.40	13.60	14.91				
CPBA-16836		7.80	18.06				
CPBA-16836	104.60	61.70	2.87				
CPBA-16836	71.20	42.90	6.01				
CPBA-16836	47.60	28.30	9.15				
CPBA-16836	32.40	19.30	12.30				
CPBA-16836	20.50	13.10	15.44				
Specimen	dm	r	θ (rad)	Specimen	dm	r	θ (rad)
CPBA-16847	140.80	82.30	0.00	CPBA-16805	131.10	75.80	0.61
CPBA-16847	100.60	58.90	3.14	CPBA-16805	95.50	55.00	3.75
CPBA-16847	70.10	42.20	6.28	CPBA-16805	67.10	40.80	6.89
CPBA-16847	47.40	27.90	9.42	CPBA-16805	42.50	25.30	10.03
CPBA-16847	30.00	19.20	12.57	CPBA-16805	27.80	17.40	13.17
CPBA-16847	18.20	11.40	15.71	CPBA-16805	17.80	10.50	16.32
CPBA-16847	11.90	9.45	18.85	CPBA-16805	12.00	7.70	19.46
CPBA-16847	137.90	82.60	0.52	CPBA-16805	120.50	71.30	1.13

CPBA-16847	95.70	55.10	3.67	CPBA-16805	84.90	49.20	4.27
CPBA-16847	66.00	40.40	6.81	CPBA-16805	59.00	35.70	7.41
CPBA-16847	43.90	26.20	9.95	CPBA-16805	39.20	23.30	10.56
CPBA-16847	28.20	18.10	13.09	CPBA-16805	25.07	15.90	13.70
CPBA-16847	18.50	9.37	16.23	CPBA-16805	14.67	9.17	16.84
CPBA-16847	12.40	8.70	19.37	CPBA-16805		5.50	19.98
CPBA-16847	7.80		22.51	CPBA-16805		67.90	1.65
CPBA-16847	129.50	78.60	1.05	CPBA-16805			0.61
CPBA-16847	88.90	51.20	4.19	CPBA-16805	57.20	33.20	7.94
CPBA-16847	61.60	37.40	7.33	CPBA-16805	37.70	24.00	11.08
CPBA-16847	42.00	24.00	10.47	CPBA-16805	22.20	13.70	14.22
CPBA-16847	27.20	17.70	13.61	CPBA-16805	13.90	8.50	17.36
CPBA-16847	17.00	9.60	16.76	CPBA-16805		5.40	20.50
CPBA-16847	10.30	8.20	19.90	CPBA-16805		64.20	2.18
CPBA-16847	6.80		23.04	CPBA-16805			0.61
CPBA-16847	122.00	73.40	1.57	CPBA-16805	53.40	30.20	8.46
CPBA-16847	83.20	48.60	4.71	CPBA-16805	35.60	23.20	11.60
CPBA-16847	58.80	35.00	7.85	CPBA-16805	21.50	12.40	14.74
CPBA-16847	40.30	24.20	11.00	CPBA-16805	14.40	9.10	17.89
CPBA-16847	25.00	15.90	14.14	CPBA-16805		5.30	21.03
CPBA-16847	16.80	8.90	17.28	CPBA-16805	102.50	61.30	2.70
CPBA-16847	11.70	5.60	20.42	CPBA-16805	69.90	41.20	5.84
CPBA-16847	115.00	69.30	2.09	CPBA-16805	49.80	28.70	8.98
CPBA-16847	78.40	45.60	5.24	CPBA-16805	34.30	21.10	12.13
CPBA-16847	53.60	32.60	8.38	CPBA-16805	21.31	13.20	15.27
CPBA-16847	34.90	20.40	11.52	CPBA-16805		8.11	18.41
CPBA-16847	22.80	14.00	14.66	CPBA-16805	100.30	58.90	3.23
CPBA-16847	14.70	8.40	17.80	CPBA-16805	68.30	41.40	6.37
CPBA-16847	10.10		20.94	CPBA-16805	45.60	26.90	9.51
CPBA-16847	107.20	62.70	2.62	CPBA-16805	31.00	18.70	12.65
CPBA-16847	75.50	44.00	5.76	CPBA-16805	19.90	12.30	
CPBA-16847	50.80	30.80	8.90	CPBA-16805		7.60	
CPBA-16847	32.30	20.20	12.04	CPBA-16814	161.20	93.80	-0.95
CPBA-16847	20.40	12.30	15.18	CPBA-16814	146.20	83.90	-0.43
CPBA-16847	13.50		18.33	CPBA-16814	143.20	81.90	0.10
CPBA-16847	8.70		21.47	CPBA-16814	131.00	76.90	0.62
CPBA-16830	100.50	56.70	2.74	CPBA-16814	128.50	75.70	1.14
CPBA-16830	72.60	43.80	5.88	CPBA-16814	122.20	71.80	1.67
CPBA-16830	49.10	28.80	9.02	CPBA-16814	114.10	67.40	2.19

CPBA-16830	32.50	20.30	12.16	CPBA-16814	106.30	62.30	2.71
CPBA-16830	21.00	12.20	15.30	CPBA-16814	102.10	61.30	3.24
CPBA-16830	14.10	8.80	18.45	CPBA-16814	91.30	54.10	3.76
CPBA-16830	9.70	5.30	21.59	CPBA-16814	89.00	52.80	4.28
CPBA-16830		4.40	24.73	CPBA-16814	83.20	50.40	4.81
CPBA-16830	89.70	49.80	3.26	CPBA-16814	78.30	46.70	5.33
CPBA-16830	65.60	39.90	6.40	CPBA-16814	72.90	44.00	5.86
CPBA-16830	44.60	25.70	9.54	CPBA-16814	68.20	40.80	6.38
CPBA-16830	30.00	18.90	12.69	CPBA-16814	63.60	37.20	6.90
CPBA-16830	20.20	11.10	15.83	CPBA-16814	60.70	36.20	7.43
CPBA-16830	13.75	9.10	18.97	CPBA-16814	56.70	32.80	7.95
CPBA-16830	9.55	4.65	22.11	CPBA-16814	55.80	31.60	8.47
CPBA-16830		4.90	25.25	CPBA-16814	47.70	28.90	9.00
CPBA-16830	82.00	45.80	3.78	CPBA-16814	44.80	27.40	9.52
CPBA-16830	60.40	36.20	6.93	CPBA-16814	43.50	26.40	10.04
CPBA-16830	42.00	24.20	10.07	CPBA-16814	40.40	24.50	10.57
CPBA-16830	27.90	17.80	13.21	CPBA-16814	38.80	23.90	11.09
CPBA-16830	18.47	10.10	16.35	CPBA-16814		24.20	11.62
CPBA-16830	13.17	8.37	19.49	CPBA-16814	25.40	18.80	12.14
CPBA-16830	9.25	4.80	22.63	CPBA-16814	24.40	17.40	12.66
CPBA-16830		4.45	25.78	CPBA-16814	22.00	17.10	13.19
CPBA-16830	78.00	44.30	4.31	CPBA-16814	20.70	15.90	13.71
CPBA-16830	56.70	33.70	7.45	CPBA-16814	18.10	14.90	14.23
CPBA-16830	39.40	23.00	10.59	CPBA-16814	16.30		
CPBA-16830	26.00	16.40	13.73	CPBA-16838	115.10	68.10	1.38
CPBA-16830	17.70	9.60	16.87	CPBA-16838	82.20	47.00	4.53
CPBA-16830	12.00	8.10	20.02	CPBA-16838	59.40	35.20	7.67
CPBA-16830	8.03	3.90	23.16	CPBA-16838	39.80	24.20	10.81
CPBA-16830		4.13	26.30	CPBA-16838	25.41	15.60	13.95
CPBA-16830	76.00	43.90	4.83	CPBA-16838	16.31	9.81	17.09
CPBA-16830	54.40	32.10	7.97	CPBA-16838		6.50	20.23
CPBA-16830	36.40	22.30	11.11	CPBA-16838	108.70	64.50	1.91
CPBA-16830	23.50	14.10	14.26	CPBA-16838	75.30	44.20	5.05
CPBA-16830	17.20	9.40	17.40	CPBA-16838	52.00	31.10	8.19
CPBA-16830	12.00	7.80	20.54	CPBA-16838	35.20	20.90	11.33
CPBA-16830	8.16	4.20	23.68	CPBA-16838	22.80	14.30	14.47
CPBA-16830		3.96	26.82	CPBA-16838	13.60	8.50	17.62
CPBA-16830	75.00	44.80	5.36	CPBA-16838		5.10	20.76
CPBA-16830	51.40	30.20	8.50	CPBA-16838	101.70	59.80	2.43

CPBA-16830	33.90	21.20	11.64	CPBA-16838	73.40	41.90	5.57
CPBA-16830	21.90	12.70	14.78	CPBA-16838	53.90	31.50	8.71
CPBA-16830	15.20	9.20	17.92	CPBA-16838	35.60	22.40	11.86
CPBA-16830	9.70	6.00	21.06	CPBA-16838	21.70	13.20	15.00
CPBA-16830		3.70	24.20	CPBA-16838	14.30	8.50	18.14
CPBA-16846	138.10	79.60	0.25	CPBA-16838		5.80	21.28
CPBA-16846	98.20	58.50	3.39	CPBA-16838	92.90	54.50	2.95
CPBA-16846	67.50	39.70	6.53	CPBA-16838	65.70	38.40	6.10
CPBA-16846	45.10	27.80	9.67	CPBA-16838	46.40	27.30	9.24
CPBA-16846	28.80	17.30	12.81	CPBA-16838	31.60	19.10	12.38
CPBA-16846	18.60	11.50	15.95	CPBA-16838	20.81	12.50	15.52
CPBA-16846		7.10	19.10	CPBA-16838	13.91	8.31	18.66
CPBA-16846	133.80	77.30	0.77	CPBA-16838		5.60	21.80
CPBA-16846	94.10	56.50	3.91	CPBA-16838			3.48
CPBA-16846	65.80	37.60	7.05	CPBA-16838	63.20	36.60	6.62
CPBA-16846	44.00	28.20	10.19	CPBA-16838	45.90	26.60	9.76
CPBA-16846	26.50	15.80	13.34	CPBA-16838	30.50	19.30	12.90
CPBA-16846	18.00	10.70	16.48	CPBA-16838		11.20	16.04
CPBA-16846		7.30	19.62	CPBA-16838			19.19
CPBA-16846	125.50	74.20	1.29	CPBA-16838			4.00
CPBA-16846	87.00	51.30	4.44	CPBA-16838	62.30	37.20	7.14
CPBA-16846	60.40	35.70	7.58	CPBA-16838	42.10	25.10	10.29
CPBA-16846	40.00	24.70	10.72	CPBA-16838	27.30	17.00	13.43
CPBA-16846	24.70	15.30	13.86	CPBA-16838		10.30	16.57
CPBA-16846	16.10	9.40	17.00	CPBA-16851	148.10	85.70	-0.63
CPBA-16846		6.70	20.14	CPBA-16851	105.70	62.40	2.52
CPBA-16846	118.40	69.90	1.82	CPBA-16851	74.60	43.30	5.66
CPBA-16846	81.50	48.50	4.96	CPBA-16851	52.60	31.30	8.80
CPBA-16846	56.10	33.00	8.10	CPBA-16851	37.50	21.30	11.94
CPBA-16846	37.50	23.10	11.24	CPBA-16851	26.50	16.20	15.08
CPBA-16846	23.21	14.40	14.38	CPBA-16851	16.99	10.30	18.22
CPBA-16846	13.52	8.81	17.53	CPBA-16851		6.69	21.37
CPBA-16846		4.71	20.67	CPBA-16851	146.30	88.10	-0.10
CPBA-16846	112.50	66.60	2.34	CPBA-16851	99.50	58.20	3.04
CPBA-16846	77.20	45.90	5.48	CPBA-16851	69.90	41.30	6.18
CPBA-16846	52.20	31.30	8.62	CPBA-16851	46.40	28.60	9.32
CPBA-16846	32.90	20.90	11.77	CPBA-16851	30.40	17.80	12.46
CPBA-16846	19.90	12.00	14.91	CPBA-16851	21.40	12.60	15.61
CPBA-16846	14.31	7.90	18.05	CPBA-16851		8.80	18.75

CPBA-16846	10.15	6.41	21.19	CPBA-16851	135.10	79.10	0.42
CPBA-16846		3.74	24.33	CPBA-16851	96.30	56.00	3.56
CPBA-16846	104.00	62.30	2.86	CPBA-16851	68.70	40.30	6.70
CPBA-16846	72.30	41.70	6.01	CPBA-16851	43.70	28.40	9.85
CPBA-16846	49.90	30.60	9.15	CPBA-16851	27.80	15.30	12.99
CPBA-16846	31.20	19.30	12.29	CPBA-16851		12.50	16.13
CPBA-16846	19.21	11.90	15.43	CPBA-16851	124.80	73.50	0.94
CPBA-16846		7.31	18.57	CPBA-16851	87.00	51.30	4.09
CPBA-16891	99.90	57.00	3.33	CPBA-16851	59.30	35.70	7.23
CPBA-16891	69.90	42.90	6.47	CPBA-16851	36.20	23.60	10.37
CPBA-16891	44.80	27.00	9.61	CPBA-16851	23.70	12.60	13.51
CPBA-16891	27.90	17.80	12.75	CPBA-16851		11.10	16.65
CPBA-16891	17.40	10.10	15.89	CPBA-16851	117.90	70.50	1.47
CPBA-16891	11.40	7.30	19.03	CPBA-16851	80.20	47.40	4.61
CPBA-16891	8.10	4.10	22.18	CPBA-16851	56.40	32.80	7.75
CPBA-16891		4.00	25.32	CPBA-16851	37.90	23.60	10.89
CPBA-16891	126.10	73.30	0.71	CPBA-16851	25.20	14.30	14.03
CPBA-16891	91.50	52.80	3.85	CPBA-16851		10.90	17.18
CPBA-16891	65.20	38.70	6.99	CPBA-16851	113.90	67.00	1.99
CPBA-16891	43.10	26.50	10.13	CPBA-16851	80.70	46.90	5.13
CPBA-16891	26.10	16.60	13.27	CPBA-16851	55.50	33.80	8.28
CPBA-16891	16.70	9.50	16.42	CPBA-16851	38.00	21.70	11.42
CPBA-16891	11.10	7.20	19.56	CPBA-16851	25.90	16.30	14.56
CPBA-16891	7.90	3.90	22.70	CPBA-16851		9.60	17.70
CPBA-16891		4.00	25.84	CPBA-16842	136.60	79.90	-0.09
CPBA-16891		70.70	1.23	CPBA-16842	100.00	56.70	3.05
CPBA-16891			4.37	CPBA-16842	71.20	43.30	6.19
CPBA-16891	59.70	37.10	7.51	CPBA-16842	47.50	27.90	9.33
CPBA-16891	37.40	22.60	10.66	CPBA-16842	31.00	19.60	12.47
CPBA-16891	23.90	14.80	13.80	CPBA-16842	20.20	11.40	15.62
CPBA-16891	14.90	9.10	16.94	CPBA-16842	13.70	8.80	18.76
CPBA-16891	8.70	5.80	20.08	CPBA-16842	8.80	4.90	21.90
CPBA-16891		2.90	23.22	CPBA-16842		3.90	25.04
CPBA-16891		65.80	1.75	CPBA-16842	136.70	81.60	0.43
CPBA-16891			4.90	CPBA-16842	95.60	55.10	3.57
CPBA-16891	55.60	33.80	8.04	CPBA-16842	67.00	40.50	6.71
CPBA-16891	34.50	21.80	11.18	CPBA-16842	44.10	26.50	9.86
CPBA-16891	20.90	12.70	14.32	CPBA-16842	28.60	17.60	13.00
CPBA-16891	14.20	8.20	17.46	CPBA-16842	18.50	11.00	16.14

CPBA-16891	9.00	6.00	20.60	CPBA-16842	11.10	7.50	19.28
CPBA-16891		3.00	23.75	CPBA-16842	7.00	3.60	22.42
CPBA-16891	107.50	62.90	2.28	CPBA-16842		3.40	25.56
CPBA-16891	75.10	44.60	5.42	CPBA-16842	128.90	76.50	0.96
CPBA-16891	51.20	30.50	8.56	CPBA-16842	89.40	52.40	4.10
CPBA-16891	33.10	20.70	11.70	CPBA-16842	61.30	37.00	7.24
CPBA-16891	20.90	12.40	14.84	CPBA-16842	41.20	24.30	10.38
CPBA-16891	14.20	8.50	17.99	CPBA-16842	27.00	16.90	13.52
CPBA-16891	8.70	5.70	21.13	CPBA-16842	17.50	10.10	16.66
CPBA-16891		3.00	24.27	CPBA-16842	11.90	7.40	19.80
CPBA-16891	103.40	59.70	2.80	CPBA-16842	8.40	4.50	22.95
CPBA-16891	73.00	43.70	5.94	CPBA-16842		3.90	26.09
CPBA-16891	49.60	29.30	9.09	CPBA-16842	121.30	72.00	1.48
CPBA-16891	31.30	20.30	12.23	CPBA-16842	83.50	49.30	4.62
CPBA-16891	19.00	11.00	15.37	CPBA-16842	58.80	34.20	7.76
CPBA-16891	13.00	8.00	18.51	CPBA-16842	40.00	24.60	10.90
CPBA-16891	8.00	5.00	21.65	CPBA-16842	25.40	15.40	14.05
CPBA-16891		3.00	24.79	CPBA-16842	16.30	10.00	17.19
CPBA-16836	140.80	83.20	0.25	CPBA-16842	10.90	6.30	20.33
CPBA-16836	97.10	57.60	3.40	CPBA-16842	7.90	4.60	23.47
CPBA-16836	64.90	39.50	6.54	CPBA-16842		3.30	26.61
CPBA-16836	42.90	25.40	9.68	CPBA-16842	115.90	68.40	2.00
CPBA-16836	29.90	17.50	12.82	CPBA-16842	79.20	47.50	5.14
CPBA-16836	19.70	12.40	15.96	CPBA-16842	54.20	31.70	8.29
CPBA-16836		7.30	19.10	CPBA-16842	36.30	22.50	11.43
CPBA-16836		79.30	0.78	CPBA-16842	23.20	13.80	14.57
CPBA-16836			3.92	CPBA-16842	14.60	9.40	17.71
CPBA-16836	61.50	36.10	7.06	CPBA-16842	9.20	5.20	20.85
CPBA-16836	41.20	25.40	10.20	CPBA-16842	7.50	4.00	23.99
CPBA-16836	27.80	15.80	13.34	CPBA-16842		3.50	27.14
CPBA-16836	18.10	12.00	16.49	CPBA-16842	105.90	61.10	2.53
CPBA-16836		6.10	19.63	CPBA-16842	74.80	44.80	5.67
CPBA-16836		71.50	1.30	CPBA-16842	50.80	30.00	8.81
CPBA-16836			4.44	CPBA-16842	33.90	20.80	11.95
CPBA-16836	58.70	34.30	7.58	CPBA-16842	22.20	13.10	15.09
CPBA-16836	39.70	24.40	10.73	CPBA-16842	14.20	9.10	18.23
CPBA-16836	26.10	15.30	13.87	CPBA-16842	8.90	5.10	21.38
CPBA-16836	15.80	10.80	17.01	CPBA-16842		3.80	24.52
CPBA-16836		5.00	20.15				

CPBA-16836	116.50	68.40	1.82				
CPBA-16836	79.30	48.10	4.97				
CPBA-16836	55.40	31.20	8.11				
CPBA-16836	38.20	24.20	11.25				
CPBA-16836	23.90	14.00	14.39				
CPBA-16836		9.90	17.53				
CPBA-16836	111.00	64.50	2.35				
CPBA-16836	76.80	46.50	5.49				
CPBA-16836	51.50	30.30	8.63				
CPBA-16836	34.80	21.20	11.77				
CPBA-16836	21.40	13.60	14.91				
CPBA-16836		7.80	18.06				
CPBA-16836	104.60	61.70	2.87				
CPBA-16836	71.20	42.90	6.01				
CPBA-16836	47.60	28.30	9.15				
CPBA-16836	32.40	19.30	12.30				
CPBA-16836	20.50	13.10	15.44				

SOM 2. Mean values of hydrostatic data used in this study.

Hydrostatic data	Value	units
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Gravity	9.8066	m/s ²
Water density	1.0230	g/cm ³
Air density	0.0012	g/cm ³
Shell density min.	2.5000	g/cm ³
Shell density max.	2.7000	g/cm ³
Soft body density	1.0650	g/cm ³
Total Chamber Volume minus last chamber	41.4083	cm ³
Septa volume wall	2.0801	cm ³
Siphuncle volume wall	0.8153	cm ³
Body chamber volume (Thickness 1.5mm)	59.7273	cm ³
Body chamber volume (Thickness 1.68 mm)	57.7866	cm ³
Body chamber volume (Thickness 1.78 mm)	56.6094	cm ³
Body chamber volume w/ mantle cavity (85%) Thickness 1.5 mm	50.7682	cm ³
Body chamber volume w/ mantle cavity (85%) Thickness 1.68 mm	49.1186	cm ³
Body chamber volume w/ mantle cavity (85%) Thickness 1.79 mm	48.1180	cm ³
Volume shell wall (Thickness=1.5)	22.5458	cm ³
Volume shell wall (Thickness=1.68)	25.5900	cm ³
Volume shell wall (Thickness=1.79)	27.1159	cm ³
Volume last chamber	1.0959	cm ³
Volume siphuncle	1.0176	cm ³
Volume water displaced	124.7825	cm ³
Volume Shell wall (Thickness=1.5mm)	25.441	cm ³
Volume Shell wall (Thickness=1.68mm)	28.485	cm ³
Volume shell wall (Thickness=1.79mm)	30.011	cm ³
Total shell mass (Thickness=1.5mm. Density=2.5 cm3/gr)	63.6030	gr
Total shell mass (Thickness=1.68mm. Density=2.5 cm3/gr)	71.2135	gr
Total shell mass (Thickness=1.79mm. Density=2.5 cm3/gr)	75.0283	gr
Total shell mass (Thickness=1.5mm. Density=2.7 cm3/gr)	68.6912	gr
Total shell mass (Thickness=1.68mm. Density=2.7 cm3/gr)	76.9106	gr
Total shell mass (Thickness=1.79mm. Density=2.7 cm3/gr)	81.0305	gr
Total mass last chamber	1.1211	gr
Total soft body mass (SW Thickness=1.5)	54.0681	gr
Total soft body mass (SW Thickness=1.68)	52.3113	gr
Total soft body mass (SW Thickness=1.78)	51.2457	gr
Total mass of air in chambers	0.0507	gr
Total mass (Thickness=1.5mm. Density=2.5 cm3/gr)	117.7219	gr
Total mass (Thickness=1.68mm. Density=2.5 cm3/gr)	124.6967	gr
Total mass (Thickness=1.79mm. Density=2.5 cm3/gr)	127.4457	gr
Total mass (Thickness=1.5mm. Density=2.7 cm3/gr)	123.9312	gr

Total mass (Thickness=1.68mm. Density=2.7 cm ³ /gr)	130.3937	gr
Total mass (Thickness=1.79mm. Density=2.7 cm ³ /gr)	133.4480	gr
Total mass of volume of water displaced	127.6525	gr
Total weight (Thickness=1.5mm. Density=2.5 cm ³ /gr)	1.1538	N
Total weight (Thickness=1.68mm. Density=2.5 cm ³ /gr)	1.2221	N
Total weight (Thickness=1.79mm. Density=2.5 cm ³ /gr)	1.2491	N
Total weight (Thickness=1.5mm. Density=2.7 cm ³ /gr)	1.2146	N
Total weight (Thickness=1.68mm. Density=2.7 cm ³ /gr)	1.2779	N
Total weight (Thickness=1.79mm. Density=2.7 cm ³ /gr)	1.3079	N
Total Weight of displaced water	1.251837	N

SOM 3. Hydrostatic results for *M. seymourianus* models. Abbreviations: N, Newton; T, shell wall thickness; ρ , shell wall density; S, Stability Index; S_o, Okamoto's Stability Index. The

seawater density used to calculate the specific gravity was 1.023 g/cm³, and the volume of the water displaced by the model was 124.782 cm³.

Buoyancy (B) Results

Empty phragmocone + mantle cavity 10%	B	Unit	Empty phragmocone+ Mantle cavity 10% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.092	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.067	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.036	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.011	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.010	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	-0.016	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.045	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.017	N
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.018	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.045	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.047	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.075	N
Last chamber filled + Mantle cavity 10%	B	Unit	Last chamber filled + Mantle cavity 10% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.081	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.056	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.025	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.000	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	-0.001	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	-0.027	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.034	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.006	N
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.029	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.056	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.058	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.086	N
Empty phragmocone + Mantle cavity 15%	B	Unit	Empty phragmocone+ Mantle cavity 15% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.124	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.098	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.066	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.041	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.039	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.014	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.076	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.048	N
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.012	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.015	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.018	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.045	N
Last chamber filled + Mantle cavity 15%	B	Unit	Last chamber filled+ Mantle cavity 15% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.113	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.087	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.055	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.030	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.028	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.003	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.065	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.037	N
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.001	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.026	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.029	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.056	N
Empty phragmocone + Mantle cavity 20%	B	Unit	Empty phragmocone + Mantle cavity 20% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.155	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.129	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.096	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.071	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.069	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.043	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.107	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.079	N

T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.043	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.015	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.012	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.016	N
Last chamber filled + Mantle cavity 20%	B	Unit	Last chamber filled + Mantle cavity 20% + 20% Septum volume	B	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.144	N	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.118	N
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.085	N	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.060	N
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.058	N	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.032	N
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.096	N	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.068	N
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.032	N	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.004	N
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.001	N	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	-0.026	N

Specific Gravity (S.G.) Results

Empty phragmocone + Mantle cavity 10%	S.G.	Unit	Empty phragmocone+ Mantle cavity 10% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.936	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.956	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.981	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.001	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.002	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.022	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.974	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.996	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.024	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.046	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.047	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.069	—
Last chamber filled + Mantle cavity 10%	S.G.	Unit	Last chamber filled + Mantle cavity 10% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.936	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.956	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.981	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.001	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.002	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	1.022	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.974	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.996	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.024	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.046	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.047	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.069	—
Empty phragmocone + Mantle cavity 15%	S.G.	Unit	Empty phragmocone+ Mantle cavity 15% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.902	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.922	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.948	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.968	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.969	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.990	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.940	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.962	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.991	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.013	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.015	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.037	—

Last chamber filled + Mantle cavity 15%	S.G.	Unit	Last chamber filled+ Mantle cavity 15% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.902	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.922	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.956	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.977	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.978	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.998	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.949	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.971	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.999	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.021	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.023	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.045	—
Empty phragmocone + Mantle cavity 20%	S.G.	Unit	Empty phragmocone + Mantle cavity 20% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.877	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.897	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.924	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.944	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.946	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.966	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.915	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.937	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.967	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.989	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.991	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.013	—
Last chamber filled + Mantle cavity 20%	S.G.	Unit	Last chamber filled + Mantle cavity 20% + 20% Septum volume	S.G.	Unit
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.886	—	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.906	—
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.932	—	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.953	—
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.954	—	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.975	—
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.924	—	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.946	—
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.975	—	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.007	—
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.000	—	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	1.022	—

Stability (S Results)

Empty phragmocone + mantle space 10%	S	So	Empty phragmocone+ Mantle space 10% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0742	0.0209	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0683	0.0193
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0693	0.0196	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0638	0.0180
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0683	0.0193	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0629	0.0177
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0723	0.0204	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0662	0.0187
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0674	0.0190	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0617	0.0174
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0664	0.0187	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0609	0.0172
Last chamber filled + Mantle space 10%	S	So	Last chamber filled + Mantle space 10% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0718	0.0202	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0659	0.0186
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0670	0.0189	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0616	0.0174

T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0668	0.0189	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0615	0.0174
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0700	0.0197	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0640	0.0181
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0652	0.0184	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0596	0.0168
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0643	0.0181	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0588	0.0166
Empty phragmocone + Mantle space 15%	S	So	Empty phragmocone+ Mantle space 15% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0728	0.0205	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0667	0.0188
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0679	0.0192	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0623	0.0176
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0669	0.0189	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0614	0.0173
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0709	0.0200	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0647	0.0183
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0660	0.0186	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0602	0.0170
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0650	0.0184	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0594	0.0168
Last chamber filled + Mantle space 15%	S	So	Last chamber filled+ Mantle space 15% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0729	0.0206	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0669	0.0189
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0656	0.0185	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0600	0.0169
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0654	0.0185	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0600	0.0169
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0685	0.0193	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0624	0.0176
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0638	0.0180	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0581	0.0164
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0629	0.0177	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0573	0.0162
Empty phragmocone + Mantle space 20%	S	So	Empty phragmocone + Mantle space 20% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0713	0.0201	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0651	0.0184
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0664	0.0187	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0606	0.0171
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0654	0.0185	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0598	0.0169
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0694	0.0196	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0631	0.0178
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0645	0.0182	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0586	0.0165
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0636	0.0179	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0579	0.0163
Last chamber filled + Mantle space 20%	S	So	Last chamber filled + Mantle space 20% + 20% Septum volume	S	So
T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0687	0.0194	T=1.5mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0627	0.0177
T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0640	0.0181	T=1.68mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0583	0.0165
T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0639	0.0180	T=1.79mm. $\rho=2.5 \text{ cm}^3/\text{gr}$	0.0584	0.0165
T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0670	0.0189	T=1.5mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0607	0.0171
T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0622	0.0176	T=1.68mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0564	0.0159
T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0614	0.0173	T=1.79mm. $\rho=2.7 \text{ cm}^3/\text{gr}$	0.0557	0.0157

Shell Orientation Results

Empty phragmocone + mantle space 10%	Angle	Unit	Empty phragmocone+ Mantle space 10% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm^3/gr	75.1084	deg.	T=1,5mm, Density=2,5 cm^3/gr	75.6231	deg.
T=1,68mm, Density=2,5 cm^3/gr	75.5265	deg.	T=1,68mm, Density=2,5 cm^3/gr	76.0795	deg.

T=1,79mm, Density=2,5 cm ³ /gr	75.6245	deg.	T=1,79mm, Density=2,5 cm ³ /gr	76.1802	deg.
T=1,5mm, Density=2,7 cm ³ /gr	75.2649	deg.	T=1,5mm, Density=2,7 cm ³ /gr	75.8257	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	75.7076	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	76.3107	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	75.8066	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	76.4114	deg.
Last chamber filled + Mantle space 10%	Angle	Unit	Last chamber filled + Mantle space 10% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm ³ /gr	74.5436	deg.	T=1,5mm, Density=2,5 cm ³ /gr	74.6309	deg.
T=1,68mm, Density=2,5 cm ³ /gr	74.5487	deg.	T=1,68mm, Density=2,5 cm ³ /gr	74.6383	deg.
T=1,79mm, Density=2,5 cm ³ /gr	74.6330	deg.	T=1,79mm, Density=2,5 cm ³ /gr	74.7263	deg.
T=1,5mm, Density=2,7 cm ³ /gr	74.4982	deg.	T=1,5mm, Density=2,7 cm ³ /gr	74.5883	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	74.4986	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	74.5907	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	74.4725	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	74.5620	deg.
Empty phragmocone + Mantle space 15%	Angle	Unit	Empty phragmocone+ Mantle space 15% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm ³ /gr	75.2245	deg.	T=1,5mm, Density=2,5 cm ³ /gr	75.7731	deg.
T=1,68mm, Density=2,5 cm ³ /gr	75.6608	deg.	T=1,68mm, Density=2,5 cm ³ /gr	76.2507	deg.
T=1,79mm, Density=2,5 cm ³ /gr	75.7596	deg.	T=1,79mm, Density=2,5 cm ³ /gr	76.3515	deg.
T=1,5mm, Density=2,7 cm ³ /gr	75.3866	deg.	T=1,5mm, Density=2,7 cm ³ /gr	75.9842	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	75.8481	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	76.4913	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	75.9474	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	76.5915	deg.
Last chamber filled + Mantle space 15%	Angle	Unit	Last chamber filled+ Mantle space 15% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm ³ /gr	74.5966	deg.	T=1,5mm, Density=2,5 cm ³ /gr	74.6893	deg.
T=1,68mm, Density=2,5 cm ³ /gr	74.6393	deg.	T=1,68mm, Density=2,5 cm ³ /gr	74.7398	deg.
T=1,79mm, Density=2,5 cm ³ /gr	74.7239	deg.	T=1,79mm, Density=2,5 cm ³ /gr	74.8280	deg.
T=1,5mm, Density=2,7 cm ³ /gr	74.5861	deg.	T=1,5mm, Density=2,7 cm ³ /gr	74.6872	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	74.5853	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	74.6886	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	74.5554	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	74.6555	deg.
Empty phragmocone + Mantle space 20%	Angle	Unit	Empty phragmocone + Mantle space 20% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm ³ /gr	75.3522	deg.	T=1,5mm, Density=2,5 cm ³ /gr	75.9392	deg.
T=1,68mm, Density=2,5 cm ³ /gr	75.8083	deg.	T=1,68mm, Density=2,5 cm ³ /gr	76.4399	deg.
T=1,79mm, Density=2,5 cm ³ /gr	75.9076	deg.	T=1,79mm, Density=2,5 cm ³ /gr	76.5403	deg.
T=1,5mm, Density=2,7 cm ³ /gr	75.5204	deg.	T=1,5mm, Density=2,7 cm ³ /gr	76.1596	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	76.0023	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	76.6908	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	76.1016	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	76.7897	deg.

Last chamber filled + Mantle space 20%	Angle	Unit	Last chamber filled + Mantle space 20% + 20% Septum volume	Angle	Unit
T=1,5mm, Density=2,5 cm ³ /gr	74.5436	deg.	T=1,5mm, Density=2,5 cm ³ /gr	74.8467	deg.
T=1,68mm, Density=2,5 cm ³ /gr	74.5487	deg.	T=1,68mm, Density=2,5 cm ³ /gr	74.8524	deg.
T=1,79mm, Density=2,5 cm ³ /gr	74.6330	deg.	T=1,79mm, Density=2,5 cm ³ /gr	74.9404	deg.
T=1,5mm, Density=2,7 cm ³ /gr	74.4982	deg.	T=1,5mm, Density=2,7 cm ³ /gr	74.7970	deg.
T=1,68 mm, Density=2,7 cm ³ /gr	74.4986	deg.	T=1,68 mm, Density=2,7 cm ³ /gr	74.7970	deg.
T=1,79 mm, Density=2,7 cm ³ /gr	74.4725	deg.	T=1,79 mm, Density=2,7 cm ³ /gr	74.7587	deg.