

**MOORSPEC**

TXBUOY		LENGTH	WEIGHT - SALT WATER				TX BUOY		
#		m	LBS	NEWTONS	LENGTH(m)	A (m*2/m)	W (Nt/m)	AW (m*2)	DRAG - N
3	3/16" GALVANIZED WIRE COATED TO 1/4"	**	**	0.76nt/m		0.00635	-0.76	0.000032	2.6
5	1/4" GALVANIZED WIRE COATED TO 5/16"	**	**	**		0.0079375	**	0.000198	2.6
	SWIVEL		2.1	9.3408					
	7/16" SHACKLE		0.33	1.46784					
	1/4" NICOPRESS SLEEVE		0.075	0.3336					
	5/16" HEAVY SS THIMBLES		0.09	0.40032					
23	5/8" GALVANIZED CHAIN	1	9.525 lbs	42.3672		0.05715	-42.3672	0.00256521	1.4
(37)	BALLAST WEIGHT	1	100	445	1	0.0254	-444.8	-0.01	1.4
33	EG&G 723A	1.194	33.5	149	1.2	0.14	-124.79	0.01539	1.4
35	EG&G 723A WITH TENSION BAR	1.32	57	253.54	1.3	0.14	-192.07	0.01539	1.4
34	BENTHOS 965A RELEASE	1.23	81	360	1.2	0.127	-292.7	0.0127	1.4
	BENTHOS 875 RELEASE	0.479	2.5	12.01			-25.07		1.4
	BENTHOS 966A and 866A RELEASE	0.68	29	129		0.112	-190	0.01	1.4
(34)	BENTHOS 865A RELEASE	1	61.25	273	1	0.199	-273	0.0127	1.4
(34)	VR2W RELEASE with float collar	0.4	26.688	118.7	0.4	0.237	26.688	0.068	1.4
	SEACAT 16-03 (BAR, PLASTIC CASE)	0.84	16.5	73.392		0.1452	-87.56	0.041	1.4
31	SEACAT 16-04 (BAR,TITANIUM NO PRESS.)	0.8763	24	106.752	0.9	0.07068	-121.82	0.0081073	1.4
32	SEACAT 16-04 (BAR,TITANIUM WITH PRESS.)	1.0668	29.5	131.216	1.2	0.07257	-123	0.0081073	1.4
37	SEABIRD CTD (IOS OXYGEN WITH BAR)	1.27	40	177.92		0.07366	-140.15	0.01613	1.4
(30)	DVS CURRENT METER	0.7 (2)	10	44.48	2	0.347	-44.48	0.008	1.4
(30)	WOTAN (BAR)	1.68	45	200.16		0.10476	-119.14	0.0214	1.4
29	RDI WITH BAR	2.18	100	444.8		0.12405	-203.626	0.1829	1.4
28	RCM-8 WITH FIN	0.74	47	209.056	0.8	0.0815	-282.51	0.025	1.4
(30)	RCM-11 IN FRAME	0.8	44.7	199	0.8	0.097	-249	0.025	1.4
(27)	SEAGUARD (2000 & 6000 M)	0.86	43	192	0.86	0.097	-223	0.025	1.4
(37)	VEMCO ON A SS BAR	1.2	4.9	21.8		0.0435125	-17.978	0.0027	1.4
(29)	SBE37 MICROCAT ON A SS BAR	1.2	10.25	45.6		0.050	-38.407	0.0077	1.4
(26)	SEDIMENT TRAP (#1349)	1.829	135	600.48	1.829	0.58	-328.3	0.66	1.4
(29)	SBE37 MICROCAT CLAMP-ON STYLE*	0.559	5.1 lbs	(15)*	-0.01	0.21	(-1500)	0.0033	1.4
(26)	NB ADCP (in-line)	1.3			1.3	0.13	-300	0.0127	1.4
(26)	WHADCP Sentinel (orange) 500 meter with inline frame	0.76	32.4	144	0.76	0.12	-190	0.041	1.4
(26)	WHADCP Sentinel (yellow) 6000 meter with inline frame	0.79	48.5	216	0.79	0.14	-274	0.041	1.4
38	NEW GLASS STREAMLINED FLOAT (C2)	0.87	??		0.87	0.21	485	0.85	0.6
(38)	STREAMLINED BUB 2 x 17" GLASS	0.74	100	445	0.74	0.22	601	0.164	0.6
(38)	A2 PACKAGE ADCP AND 2 VINYL BALLS	0.563	64	285	0.563	0.22	506	0.5	0.6
(38)	3 pack VINYL 12B-3 floats	1	126	560	1	0.22	559	0.073	1.1
41	STREAMLINED BUB 3 VINYL BALLS	0.563	116	516	0.563	0.22	916	0.5	0.6
40	BUB 2x17" GLASS	1.187	96.5	429	1.19	0.466	361.6	0.164	1.1
	IPS / 2x B3 SUBS ASSEMBLY	1	3438	773	1	0.44	773	1.5	0.6
	ADCP / 2x C3 SUBS ASSEMBLY	1	1841	414	1	0.65	414	1.5	0.6
42	Stablemoor 533 lb 3500 msw with ADCP	1.286	424	1886	1.286	1.822	1466	1.86	0.6

2021-05-28

42	Stablemoor 1000 lb 3500 msw with ADCP	1.286	891	3963	1.286	1.822	3081	2.84	0.6
42	Stablemoor 1015 lb 1500 msw with ADCP	1.286	906	4030	1.286	1.807	3134	2.474	0.6
42	Stablemoor 580 lb 1500 msw with ADCP	1.286	471	2095	1.286	1.822	1629	1.67	0.6
42	SYNTACTIC FLOAT WITH ADCP BRACKET	2.42	1849	8224	2.42	0.51	3398	2.7	0.6
42	SYN. FLOAT,BRACKET AND 109 LB.ADCP	2.42	1740	7740	2.42	0.51	3198	2.7	0.6

\* (29) Clamp-on SBE37 weight = weight of instrument - weight of termination (22.7 - 8 + =15 nts). As it does not add to length of mooring, l = 0.01, w = -1500 which gives the proper weight.

B3 - Viny x 3	1 BUB = 1.187m	1 streamlined BUB = 0.87
C2 - Glass x 2 (Streamlined)	2 BUB = 2.374m	2 streamlined BUB = 1.74
A2 - Viny x 2 (Streamlined Workhorse ADCP)	3 BUB = 3.561m	3 streamlined BUB = 2.61

DRAG - T
0.00756
0.00756
0.00756
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.4
1.4
1.4
0.6
1.4
0.6
1.4
1.4
1.4

2021-05-28

1.4
1.4
1.4
1.4
1.4