

Anchor Test Results: Soft Sand Over Hard Sand

Anchor	Measured Weight	4:1 Set Rating	4:1 Set Comments	90° Veer Comments	Holding Comments	7-8:1 Pull Max Load	Efficiency Ratio* (this test only)
Bruce	22 lbs.	Excellent	Set very hard; buried immediately.	Stayed buried during veer.	Total drag about 12', avg. reading of 200 lbs. Never regained its initial grip in the hard sand.	280 lbs.	12.7
Bulwagga	17 lbs.	Good	Set hard, two flukes buried, one showing vertical.	Stayed buried during veer.	Dragged about 10', avg. reading of 300-325 lbs. Rotated 270° through pull, while staying buried.	375 lbs.	22
CQR	35 lbs.	Fair	Dragged 6 feet on side, then set.	Stayed buried during veer.	Dragged 5' at 300 lbs., 5' at 200; reset, built steadily up to 400 lbs. Slack taken out, dragged another 6' to max of 650 lbs.	650 lbs.	18.5
Davis Talon XT	35 lbs.	Good	Set hard; stayed upright.	Stayed buried during veer.	Dragged steadily at 400 lbs. for about 10'. Slack taken out. Dragged again to 550 lbs. max. Anchor buried through pull.	550 lbs.	15.7
Delta	23 lbs.	Good	Set hard; stayed upright.	Stayed buried during veer.	Dragged at avg. 320 lbs. Pretty good intermittent grip in hard sand. Stayed buried throughout. Dragged about 12'.	380 lbs.	16.5
Fortress	10 lbs.	Good	Set hard.	Stayed buried during veer.	Dragged 10' starting at about 300 lbs., with steadily increasing load. Diver: "It just dug deeper and deeper."	500 lbs.	50
HydroBubble	16 lbs.	Good	Planned down to bottom when lowered, as intended. Set hard, upright.	Dragged 2-3 feet in veer and rolled onto its side; stayed buried.	Stayed on side for pull, but at good pressure, up to 300 lbs., intermittently digging into hard sand.	300 lbs.	18.8
Spade Model 80	16 lbs.	Good	Set initially on side, but righted and set hard as boat applied pressure.	Stayed buried during veer.	Dragged about 10' at steady 400, until max at 450.	450 lbs.	28.1
Spade Oceane	28 lbs.	Good	Set hard on its side.	Stayed buried during veer.	Dragged 10-12' at 200 lbs., completely buried, but never got a grip on the hard sand.	200 lbs.	7.1
Super Max 16	44 lbs.	Good	Set hard on its side.	Stayed buried during veer.	Dragged 12' at 200 lbs., completely buried, but never got a grip on the hard sand.	200 lbs.	4.5
Wasi	58 lbs.	Good	Set hard.	Stayed buried during veer.	Dragged 6-8' feet at 400 lbs., buried deeper, built to 620 lbs.	620 lbs.	10.7
West Marine Perf. ²	26 lbs.	Good	Set hard.	Stayed buried during veer.	Dragged about 5' at 200 lbs., then dug in and built to 550 max. Diver: "It just buried deeper all the way."	550 lbs.	21.2
XYZ	17 lbs.	Excellent	Set hard and buried immediately.	Stayed buried during veer.	Dragged 10-12' at avg. reading of 200 lbs., completely buried, but never got a grip on the hard sand.	220 lbs.	12.9

* Maximum pressure recorded divided by measured anchor weight.