



CBS -CHAIN SUPPORTING BUOY

FLOATEX CBS-CHAIN SUPPORTING BUOY have been designed to withstand the severe operating conditions associated with offshore operations. To achieve these characteristics the inner buoyancy core is realized applying spiral bending sheets of expanded cross-linked polyethylene. The full closed-cell expanded Polyethylene used, guarantees the unsinkability of the buoy, also in case of accidental serious damages occurred during operations. The outer Polyurethane skin provides the necessary abrasion and ultra-violet rays resistance to the buoy.

Standard outer colour is marine orange, but if requested, buoys can be manufactured in different colours.

Core: Cylindrical body of expanded closed-cell polyethylene foam, density 40-45 Kg/m³. The layers of expanded polyethylene are heat sealed to reach the necessary buoy volume. Expanded polyethylene (EPE) has excellent energy absorption and high strength properties. It is a flexible and lightweight material, environmentally-friendly, which can be recycled easily, 100% non-toxic. EPE provide outstanding energy absorption characteristics, weight to strength ratio, high thermal resistance and resistant to water, oils and most chemicals. The material can withstand multiple impacts without significant damage.

Skin: Outer cover with 8 mm thickness of elastomer polyurethane foam ORANGE colour. The elastomer polyurethane is the result of a chemical reaction between isocyanate and polyol, 100% made and tested before production by our R&D laboratory. The elastomer polyurethane ensures excellent protection against abrasion, impacts and ultra-violet rays. Moreover ensures an excellent adhesion with the PE and steel.

Steel part: The buoy is complete with a passing through steel tie rod, one steel plate and stiffeners at both ends, one marine swivel at both ends **SWL 17 Ton** for the connection with the chain. The swivels are locked with the tie-rod through a couple of nuts at both ends. The metal parts are sandblasted, galvanized and painted with marine grade polyurethane paint.



CYLINDRICAL SUPPORTING CHAIN BUOYS

CYLINDRICAL SUPPORTING BUOYS						
TYPE	Nett. buoyancy (Kg)	Weight (Kg)	Diam. (mm)	Length (mm)	L.O.A. (mm)	S.W.L. ┌ └ (ton)
CBS-1.5	150	86	650	750	1290	17
CBS-2	200	92	700	800	1340	17
CBS-2.5	250	96	740	850	1390	17
CBS-3	300	102	780	900	1440	17
CBS-4	400	122	900	920	1460	17
CBS-5	500	130	920	1000	1540	17
CBS-6	600	150	1000	1000	1540	17
CBS-7	700	185	1000	1200	1750	17
CBS-10	1000	213	1100	1350	1900	17
CBS-12	1200	254	1220	1350	1900	17
CBS-16	1600	280	1300	1470	2020	17
CBS-18	1800	330	1420	1470	2020	17
CBS-20	2000	315	1330	1700	2250	17
CBS-22	2200	360	1420	1700	2250	17
CBS-25	2500	410	1500	1700	2250	17
CBS-27	2700	435	1550	1700	2250	17
CBS-27 LONG	2700	430	1450	2000	2550	17
CBS-30	3000	480	1580	1850	2400	17
CBS-32	3200	490	1610	1850	2400	17
CBS-35	3500	515	1700	1850	2400	17
CBS-36	3600	520	1730	1850	2400	17
CBS-38	3800	530	1760	1850	2400	17
CBS-40	4000	545	1730	2000	2550	17
CBS-45	4500	585	1850	2000	2550	17
CBS-50	5000	655	1950	2000	2550	17



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