



BRUTE BINTM
TRAPS FLOATABLES



Oil Spill Equipment | Floating Barriers | Incinerators



ELASTEC Brute Bin for Floatable Trash Collection

Every day trash enters our waterways from roadside rubbish carried by wind and stormwater runoff into lakes, streams, wetlands and rivers. Litter can continue to flow downstream into our oceans harming fresh and salt water ecosystems along the way. “Floatables” such as plastic bottles, bags and straws; aluminum cans; Styrofoam cups and containers; food wrappers and other debris not only damage marine life, it is also unsightly and unsanitary for human life. This type of pollution is referred to as nonpoint source (NPS).

The purpose of the Elastec Brute Bin is to capture floatables from stormwater conveyances and outfalls before they reach our waterways. In the United States, many Municipal Separate Stormwater Systems (MS4) are installing open water trash capture technologies, such as the Brute Bin, to reduce litter loadings into water.



Brute Boom Specifications

HDPE, meets ASTM D-3350 standard		
Internal steel channel ballast		
60,000 lb / 27,215 kg breaking strength		
Shackle:	Working load 9,500 lb / 4309 kg	Max load 47,500 lb / 21,545 kg
Link:	Working load 14,000 lb / 6,350 kg	Max load 70,000 lb / 31,751 kg



Installation and How it Works

An evaluation of the installation site must first be conducted based upon the local hydrology, current flow speed, trash load levels, easy access for trash removal and maintenance as well as of the surrounding habitat environment. Brute Bin is manufactured in two standard sizes which accommodates most channels. Upon completion of the site evaluation, boom lengths and angles are recommended based upon a modeling formula.

The installation process begins with the mooring of the heavy-duty Brute Boom legs to the channel banks. The Brute Boom legs are attached to the Brute Bin to direct the floatables into the mouth of the basket.

Lifting eyes are strategically located on top of the litter basket to lift and dump the contents by crane. Trash can also be removed manually from the basket from the slip-resistant platform. The system is also designed to accommodate water level fluctuations. Elastec recommends periodic monitoring of the system for trash pickup, especially after major rain events.



Brute Bin Specifications (Large)

12 x 20 ft footprint / 3.6 x 6 m

Slip resistant access walk platforms.

Sealed and chambered aluminum pontoons for reserve buoyancy protection

Litter basket constructed of marine grade aluminum 6061 with back-flow prevention. Meets ASTM B209.

8 x 16 x 4 ft / 2.4 x 4.8 x 1.2 m

512 cubic ft / 156 cubic m trash capacity

Brute Bin Specifications (Small)

8 x 12 ft footprint / 2.4 x 3.7 m

Slip resistant access walk platforms.

Sealed and chambered aluminum pontoons for reserve buoyancy protection

Litter basket constructed of marine grade aluminum 6061 with back-flow prevention. Meets ASTM B209.

336 cubic ft / 9.5 cubic m trash capacity

Spare Parts

Replacement Basket: 512 cubic ft / 156 cubic m trash capacity

336 cubic ft / 9.5 cubic m trash capacity

Replacement Connection Kit: Two Shackles / one chain link



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