



TB-50X18



TUNDRA BOOM

The Tundra Boom is a highly specialized oil spill containment solution designed for use in difficult terrains such as swamps, marshes, boggy areas, and inland waterways. Unlike standard containment booms that often struggle in shallow or calm waters with fluctuating levels, the Tundra Boom is specifically engineered to perform reliably in these demanding conditions.

Its innovative design features an upper chamber filled with either foam or air, ensuring consistent buoyancy and allowing the boom to adapt seamlessly to changing water levels. In shallow water, the boom rests securely on the terrain thanks to a single water-filled ballast chamber, creating a tight seal that prevents leakage and ensures efficient containment. As water levels increase, the Tundra Boom transitions to function like a traditional curtain boom, maintaining the necessary freeboard for effective oil containment.

Manufactured with durability in mind, the Tundra Boom is constructed using 100% High Tenacity Polyurethane coated polyester fabric. Using a robust fabric with a minimum weight of 35.3 oz., ensures long-lasting performance even in tough conditions. Precision welding techniques ensure that all seams are as strong as, or stronger than, the base material itself, eliminating the need for glue in any part of the boom.

For added versatility, the Tundra Boom is equipped with a variety of end connector options to meet diverse operational requirements.

TOP FEATURES

TECHNICAL SPECIFICATIONS

- **Body Material:** 35.3 oz /yd² PU
- **Base Fabric:** Polyester 1500 Den 14.2" x 15"
- **Fabric Weight:** 14.4 oz/yd²
- **Total Weight:** 35.3 oz/yd²

INCLUDED ACCESSORIES

- **One Air or Fluid Fill Hose:** 5' x 2" suction hose w/ male camlock and female camlock
- **Five Jumpers:** 2" suction hose w/ monsun adapter male and female camlock
- **Toolbox:** Repair Kit with Spare Parts and Operator Manual, also Repair Kit with Monsun fittings
- **Shipping/Storage:** 2 Carry Bags, 5 small carry storage bags for Tundra Boom, and one Clip-Lok plywood box
- **One Backpack Blower:** PB-770T or, PB-770H/T, or PB-755SH/ST



CHARACTERISTICS

- 2 x Air Inflation Monsun Valves (Type MV XII) at both ends /top of the boom
- 1 x IPSI Air relief valve at one end /top of the boom
- 4 x Water Fill Monsun Valves (Type MV XII) at both sides and both ends of the boom
- 4 x Drain Valves (Coin caps) located at the bottom ends of the boom (two at each end)
- 8 x 500lbs WLL Handles at sides of the boom- Two located at each end on both sides and two each located aprox.10 ft apart.
- 8 x (12" x 2") wide luminous strips located above each handle.
- 2 x End connectors – ASTM – Mini Universal located at both end of the boom
- 2 x ASTM (24") with stainless steel toggle pin, stainless steel nuts and bolts, aluminum back up plate and sacrificial zinc- one at each end
- 2 x Oversized flats bolted to connectors above with raised base to prevent spill migration between connectors



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	Imperial	Metric
Base Fabric	Polyester 1500 Den 14.2 x 15	Polyester 1670 Dtx 14.2 x 15
Fabric Weight	14.4 oz/yd ²	490 gr/m ²
Internal Coat Weight	8.2 oz/yd ²	280 gr/m ²
External Coat Weight	12.7 oz/yd ²	430 gr/m ²
Total Weight ASTM D 751	35.3 oz/yd ²	1200 gr/m ²
Breaking Strength - Strip ASTM D 751 procedure B	780 / 670 lbs/inch	700 / 600 kg / 5 cm
Tear Strength ASTM D 751 procedure B	55 lbs	25 kg
Tear Strength DIN 53363 (trapezoid)	110 / 120 lbs	500/500 N
Coating Adhesion (HF Welding) ASTM D 751 Dry	39 lbs	35 kg / 5 cm
Abrasion Resistance ASTM D 3389 (Taber H-22 Wheel 1 kg load)	< 30 mg / 1000 cycles > 10,000 cycles to expose the fabric	
Blocking Resistance ASTM D 751	#1	
Air Porosity B.S. 4F 100 clause 32.1	Pass (10 min at 7 psi)	
Cold Crack / Bend DIN 53361	-58° F	-50° C
Puncture Resistance Fed. Std. 101-2031	420 lbs	190 kg