



RO-BOOM SPEED-SWEEP - Heavy-duty oil containment boom

PROVEN OIL SPILL TECHNOLOGY

# RO-BOOM SPEED-SWEEP - Heavy-duty oil containment boom

The RO-BOOM SPEED-SWEEP system is a rubber boom system designed to allow collection of oil at greater speeds than has previously been possible, then, with a skimmer located at the apex of the system, recovery whilst the system is travelling forwards.

DESMI Ro-Clean are proud to present their newly developed RO-BOOM SPEED-SWEEP System. The reinforced hypalon coated RO-BOOM SPEED-SWEEP system is designed to be either connected into a RO-BOOM system or operated as an independent collection unit and towed either between 2 vessels, or 1 vessel with a jib arm or RO-KITE.

Before the RO-BOOM SPEED-SWEEP, it was possible to collect oil using a boom in a sweeping system at speeds up to approximately 1 knot, but with the new design of the RO-BOOM SPEED SWEEP, collection of oil at between 2 to 3 knots is now possible, which means the system can be used in stronger currents and for much more rapid collection of oil.

The 3 extremely strong screens are made of PU coated Kevlar.

Replaceable strong fibreglass rods are secured with stainless steel brackets mounted between each RO-BOOM air chamber.



## Advantages of RO-BOOM SPEED-SWEEP:

- For heavy seas fast sweeping system.
- System speed at up to 3.0 knots, without exceeding 1.0 knot in apex.
- Designed to be connected into a RO-BOOM system, and towed either between 2 vessels, or 1 vessel with a jib arm or RO-KITE
- Can be used in stronger currents and for much more rapid collection of oil.
- The system is flexible enough to work in many sizes of boom and various situations, which allow a customized system to your exact requirements.

## TECHNICAL DATA

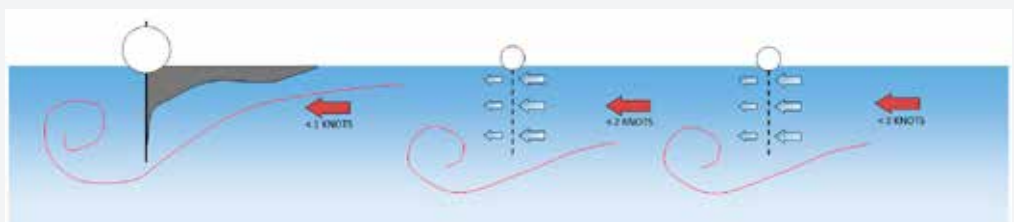
The standard RO-BOOM SPEED-SWEEP system is manufactured in RO-BOOM 1500 offshore containment boom, with 9 three metre individual buoyancy chambers, tapered down at either end to match RO-BOOM 1300, which is the ideal boom for a sweeping system.

There are also 3 semi-permeable 900mm booms supported by circular floatation nodes which are used to slow the speed of the oil, allowing it to be collected by the final boom, with excess water

escaping slowly through the bottom netting. This system allows the water and oil to be slowed by as much as 70%, which allows the oil to collect in the apex ready for collection.

The system is, however, flexible enough to work in many sizes of boom and various situations, and discussions with your appropriate sales representative or agent should allow us to customize the system to your exact requirements.

<b>Width (Deflated):</b>	Apex 1500mm, Guide booms 1300mm
<b>Standard System Length:</b>	69m
<b>Freeboard:</b>	Apex 0.52m, Guide booms 0.45m
<b>Operational depth of skirt:</b>	Apex 0.72m, Guide booms 0.63m
<b>Operational weight (Inclusive of chain):</b>	Apex 12kg/m, Guide booms 9kg/m
<b>Buoyancy chamber length:</b>	3.0m
<b>Tensile strength of boom wall:</b>	250N/mm
<b>Breaking load of chain:</b>	Apex 200kN, Guide booms 110kN
<b>Temperature resistance:</b>	-35 - +70°C
<b>Section connector:</b>	ASTM Slide (Standard)



For more information on Oil Spill Response systems, please visit [www.desmi.com](http://www.desmi.com)

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