



REDUCE
Dam Safety Risk

INCREASE
Power Generation

LOWER
Public Safety Liability

TUFFBOOM, the world's first polymer log boom introduced in 1994 is installed in over 63 countries. The TUFFBOOM Series booms reduce dam safety risk and increase power generation output by deflecting surface debris, trash and vegetation away from water intake and spillgate structures.

For Public Safety, TUFFBOOM series barriers provide a visible headpond deterrent to clearly define dangerous zones and prevent boaters from getting too close to water intakes, spillways, spillgates, and other critical water structures.

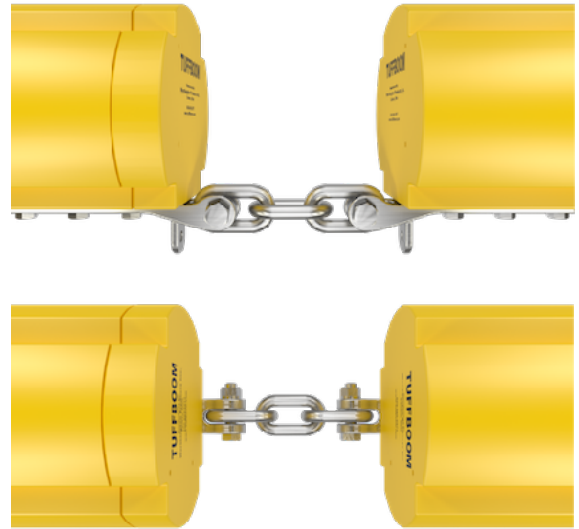


Worthington | TUFFBOOM Series



Standard Features

- Shackle-Free Connections (no more shackle failures!)
- Alloy chain interconnections.
- Heavy-wall impact resistant polyethylene with max. UV resistance.
- Unsinkable solid internal core of non-water absorbing foam fill. Maintains buoyancy even when punctured.
- High load bearing internal steel member provides strength and ballast, resists horizontal and vertical loads.
- Zero-gap fine debris option available.
- 15 to 20-year design life.
- Mold-in Graphics™ with standard or customized warnings.
- Exceptional debris load capacity.
- Standard Color: Safety Yellow. Also available in International Orange, Log Boom Brown, Forest Green, and others.
- High Visibility, high buoyancy for maximum freeboard visibility.

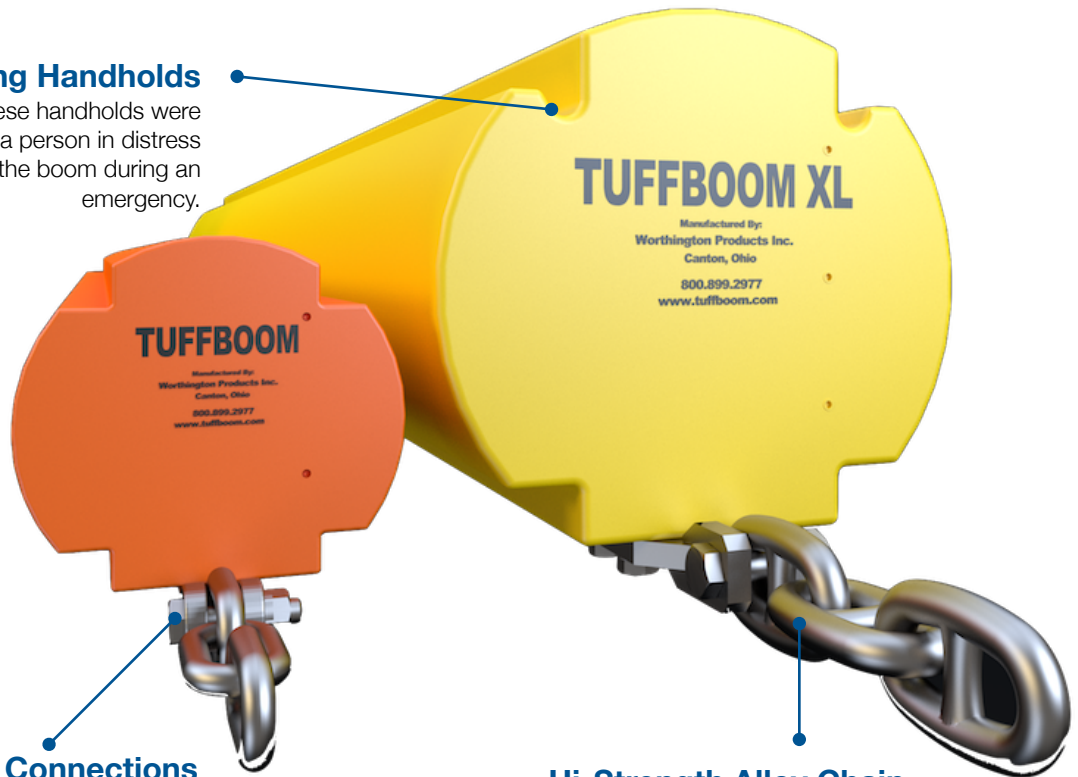


	TUFFBOOM Standard	TUFFBOOM XL
Diameter	40.6 cm (16 in)	61 cm (24 in)
Float Length	305 cm (120 in)	457 cm (15 ft)
Center to Center Length when connected to additional units	340 cm. (134 in)	510 cm (16.75 ft)
Weight (dry)	64 kg. (141 lbs)	219 kg (482 lbs)
Buoyancy	317 kg (700 lbs)	1,020 kg (2,250 lbs)
Freeboard	30.5 cm. (12 in)	47.6 cm (19 in)
Design Strength	130 kips	180 kips
Spacing Between Units	39 cm. (15.5 in)	50.8 cm. (20 in)
Internal Construction	C4 Channel w/ EPS Foam	W6 Beam w/ EPS Foam

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Patented Life-Saving Handholds

Built into each unit, these handholds were ergonomically designed so that a person in distress can grab hold of and hang on to the boom during an emergency.

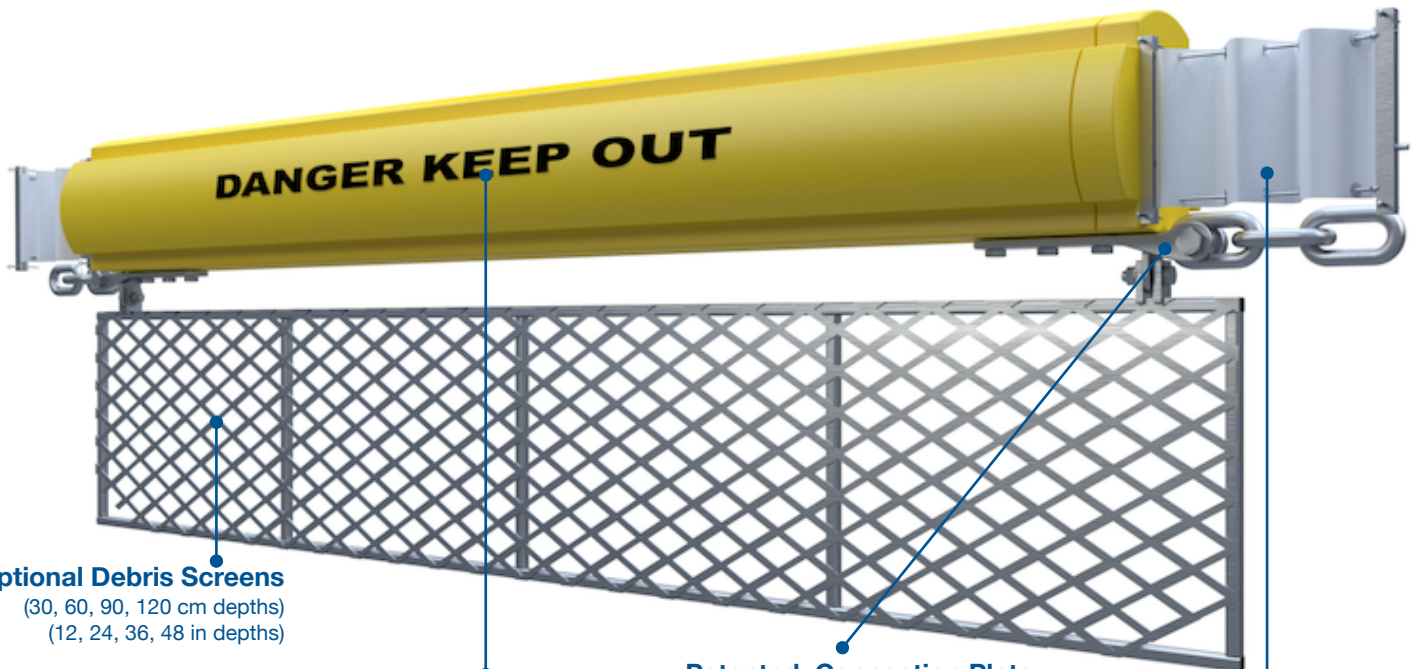


Patented Shackle Free Connections

We eliminated the shackle. We nearly tripled the design strength. We stopped bottom plate "ovaling". In short, we revolutionized how booms are connected.

Hi-Strength Alloy Chain

Provides interboom connection integrity, low wear, and high load bearing capacity.



Optional Debris Screens

(30, 60, 90, 120 cm depths)
(12, 24, 36, 48 in depths)

Optional Permanent Graphics

Patented Connection Plate

Optional Fine Debris Panels

(Same color as boom)



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Discover more with these informative YouTube videos

<https://www.youtube.com/c/Tuffboom>



FEATURED VIDEO

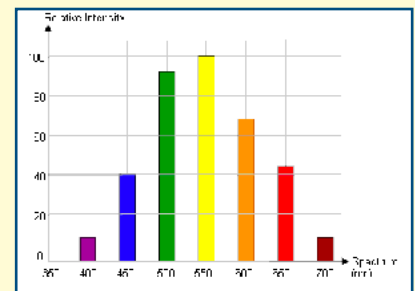
Planning for & Mitigating the Impacts of Wildfires in your watershed.



<https://www.youtube.com/c/Tuffboom>

YELLOW - The New Orange

At Worthington, we constantly ask questions because that leads to better solutions. When our researchers discovered orange is just 63% as visible as yellow. When we learned 8% of males and 2% of females are colorblind seeing orange as grayish but seeing yellow - well - as yellow. When we learned orange is hard to see in low light conditions, we took action. **Barriers made by Worthington today are safer, more visible than ever before because today's barriers are yellow - the new orange!**



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