

# MATRIX ULTRALIGHT CARBON

## LOW DENSITY, HIGH PERFORMANCE DEEPWATER BUOYANCY

Matrix Ultralight Carbon Foam provides increased operational flexibility whilst reducing total cost of ownership of Distributed Buoyancy Modules (DBM). Ultralight Carbon encapsulates carbon fibre microspheres within a matrix of monolithic syntactic foam. It can be skinned in glass reinforced plastic (GRP) or polythelene (PE) to suit project requirements - whether that be greater uplift for the same volume or the same uplift at smaller volumes.



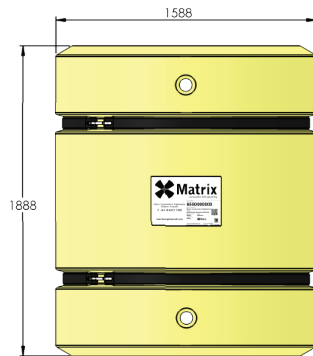
Excludes clamp

Over the last 15 years, Matrix has successfully delivered more than 10,000 Ultralight modules to locations around the world.

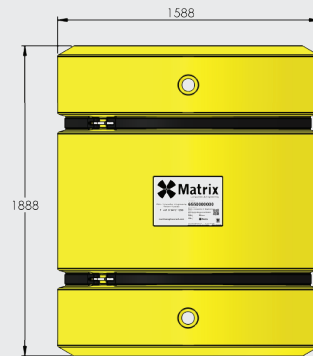
### MAXIMISING OPERATIONAL ENVELOPE

Same volume, 18% greater uplift

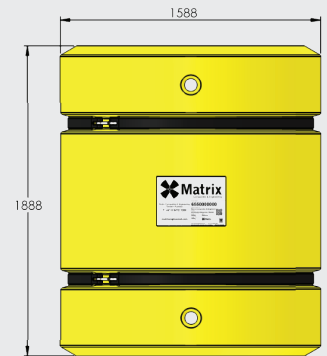
- Maximising uplift, minimising DBM count.
- Reduced installation time.
- Reduced freight and logistics costs



DBM - GRP Skin, Ultralight Carbon Foam  
Dry Weight: 1,693 kg  
EOL Uplift: 1,587 kg



DBM - PE Skin, Ultralight Carbon Foam  
Dry Weight: 1,799 kg  
EOL Uplift: 1,485 kg

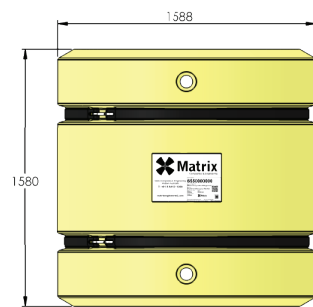


DBM - PE Skin, Standard Foam  
Dry Weight: 1,995 kg  
EOL Uplift: 1,295 kg

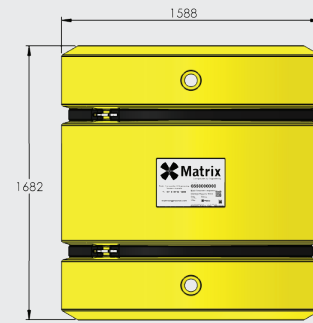
### MINIMISING DRAG ENVELOPE

Same uplift, 29% reduction in weight, 16% smaller

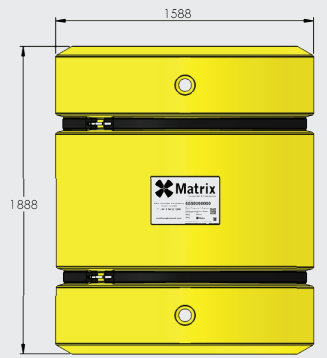
- Reduced logistics costs
- Fewer DBMs to install



DBM - GRP Skin, Ultralight Carbon Foam  
Dry Weight: 1,415 kg  
EOL Uplift: 1,293 kg



DBM - PE Skin, Ultralight Carbon Foam  
Dry Weight: 1,603 kg  
EOL Uplift: 1,296 kg



DBM - PE Skin, Standard Foam  
Dry Weight: 1,995 kg  
EOL Uplift: 1,295 kg