

# Umbilical Buoyancy

Umbilical Buoyancy from DeepWater Buoyancy provides distributed buoyancy for platform-to-seafloor umbilical applications. Available with either an integral or secondary clamp, these modules can be custom to fit any umbilical of any size or configuration. Umbilical Ballast modules are also available to assist in the creation of the proper umbilical arrangement.

All modules are custom-designed to each application by taking into consideration the designed uplift, umbilical specifications, and deployment strategy. Modules have a buoyant core of high-performance Deep-Tec® syntactic foam within a rotationally-molded polyethylene shell.

The standard design has an integral elastomeric clamp designed to secure the modules against axial and torsional loads. Compression of the clamp is maintained by either standard hardware or by strapping systems.

Optionally, a separate inner clamp can be provided consisting of syntactic foam sections with a composite strap assembly. In this case, the buoyancy module is installed around the inner clamp and is free to rotate about the inner clamp. In either case, installation tools are provided to create the required compression for the elastomeric component.

