



## Transponder Floats

**Transponder Collar - Our experience of complex deepwater buoyancy systems and its design and manufacturing infrastructure has resulted in many new and innovative products**

**Our transponder floats (or flotation collars) consist of two identical half shells fastened together using four stainless steel bolts. The half shells are manufactured from Hisyn high performance, low density syntactic foam, encapsulated within a polyethylene shell with a nominal thickness of 6mm.**

The development of transponder flotation collars along with a new generation of advanced subsea equipment has been essential to the progress of oceanographic/seismic research. Our experience of complex deepwater buoyancy systems and its design and manufacturing infrastructure has resulted in many new and innovative products. These products facilitate the collection of a substantial amount of data from just below the surface to full ocean depth.



Many transponders are deployed onto the seabed via the use of clump weights. The flotation collar allows the transponder to "float" clear of obstacles on the seabed to maximise signal reception. Once released by acoustic signal, the float then allows the equipment to return to the surface for recovery by the vessel.



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### Advantages:

- A tough, durable and reliable product capable of withstanding the most difficult of operating conditions to full ocean depth
- Syntactic foam materials can be supplied to operate at 7000msw and beyond
- We produce standard collars to fit existing vendor transmitters
- We can also supply grommets to fit around slightly smaller transponders, allowing a wider use of existing collars

Ref no./Depth	Weight in Air (kg)	Nett Buoyancy (kg)
TFC1-1000	33	30
TFC1-2000	38	25
TFC1-3000	39	24
TFC2-1000	45	41
TFC2-2000	51	35
TFC2-3000	52	34
TFC3-1000	56	52
TFC3-2000	63	45
TFC3-3000	65	43