Final Design

203 mm

7.62 kg

13.5 mm

675 mm

This render shows the plastic with the addition of pigment. The pigment can be added during the production process instead of having a paint layer added retrospectively. This is time saving and also helps reduce CO_2 emissions.

When divers use nitrox gas, it is depicted by a yellow painted tank or label, both of which wear away after time. Adding pigment to the plastic solves this issue.

Blow moulding would allow for quicker and cheaper production.

	Original	Final
Safety Factor	0.36	5.96
Total Deformation	1.26 mm	0.64 mm
Equivalent Stress	775 MPa	92.24 MPa