

LIGHTWEIGHT, ROBUST & ADAPATABLE

Our AAC Clyde Space engineered ZAPHOD structure range, 1U to other form factors, is one of the most light weight, adaptable and user friendly available on the market. Implementing user-definable locating elements, the structure can accommodate several avionic and payload configurations enabling a high-level of customization without the need for expensive redesign. Complying with NASA's General Environmental Verification Standard (GEVS) requirements each structure is fitted with anodized rails and deployment switches, all proven on orbit. Available OTS with a choice of shear panel or standard cut-out pattern, the structures can be customized, including bespoke cut-outs and deployable panels.

Our lightweight structure solutions have been designed specifically with adaptability and ease of integration in mind. The ZAPHOD structure range simplifies modification and can be assembled around the avionics stack and payload, increasing accessibility during integration and test. Mounting holes are provided for a variety of stack and payload configurations.



COMPATIBLE

Compatible with all rail-deployers. Deployment switches ensure this range is compatible with manned flights and ISS compatible.



MODULAR

Designed with a high level of modularity, supporting even the most bespoke payload configuration. Lightweight, qualified design which maximizes internal volume. With ease of access during integration and customizable internal stack layout.



SCALABLE

Offering 1U- 6U form factors the ZAPHOD structure range offers scalability in your mission requirements.



TECHNICAL SPECIFICATIONS

General

Aluminium 7075 & 6082 used for primary structures
All other materials comply with typical outgassing requirements
Designed and qualified to NASA GEVS, 14.1gRMS
Temperature range -40°C to +80°C
Four deployment switches, two on the -Z end plate and two on the rails

Size and Weight		
	3U Structure	6U Structure
Length	100 mm	100 mm
Width	100 mm	226.3 mm
Height	340.5 mm	340.5 mm
Weight	394 g	674 g

Compatible with AAC Clyde Space PHOTON solar panels, meeting ISS Manned Flight design requirements when combined.

To make an enquiry, request a quotation or learn about AAC Clyde Space's other products and services, please contact:
enquiries@aac-clydespace.com



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www.aac-clyde.space

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