Currently Available Pods

Pressurized Payload Bay

- MXP

Unpressurized

- ER-2 Surrogate
- Palantir
- ER-2 Surrogate
ER-2 Surrogate Pod

- The exterior dimensions and strong back structure (in blue) are fixed
- The mounting arrangement is variable
- The sensor is shown as an example
Palantir

1 or 2 Pressurized Sections w/ Gimbal

46 in  64 in  176.3 in

38 in
MXP
Pressurized w/ 6 X 19U Electronics Racks

Attach Points
Strong-back

Pressure Vessels

20 ft
Pressurized Cross Section

Aeroshell splice  
Antenna Mount  
Strong back

Dimensions:
- 38 in
- 42 in
Pressure Vessel Design Features

- Rear Rack Access Panels (inside plug type)
- Provided Racks
- Provisions for elastic mounts
- End Cap
- Rack Access Panels (inside plug type)
Pressure Vessel Modularity

Single Vessel Operations  5 Possible Locations

24 inch spacing
Pressure Vessel Modularity

1, 2 or 3 Vessel Capability