

PBER

Pneumatic Bomb Ejection Rack

COBHAM

The most important thing we build is trust



PBER

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Smart Design, Smart Solution

The PBER rack was designed as a pneumatic replacement with the same form, fit and function as the MAU-12. Designed and integrated initially on the F-16 Block 60, the PBER rack is a fully pneumatic rack capable of carrying and releasing stores of up to 2,500 lb. The PBER also has unique design features not offered by other bomb racks which allow large stores to be carried in closer proximity to other stores on an aircraft, allowing for greater mission flexibility.

Cost Savings

As with all pneumatic racks one of the main benefits is the cost savings when comparing to older pyrotechnic racks. The PBER offers clean, reliable and safe pneumatic ejection of stores from fast jet aircraft. The PBER is designed around the existing MAU-12 bomb rack which significantly reduces integration costs as there is no need for pylon modifications. PBER is also a ground fill type pneumatic rack which means that no additional hardware is required on the aircraft.

Unique Features and Benefits

The PBER utilizes pneumatic ejection technology which ejects the stores using compressed air as opposed to older systems which rely on pyrotechnic cartridges. This requires significantly less logistical support, maintenance and repair than legacy systems and as a result the total cost of ownership is greatly reduced.

Key Features

- Fully constrained release
- 6.35" ejection stroke
- Physical interface identical to a MAU-12
- 14" and 30" hook centers
- 10.7" to 3" store diameter capability
- Reduced maintenance and cleaning

Specifications

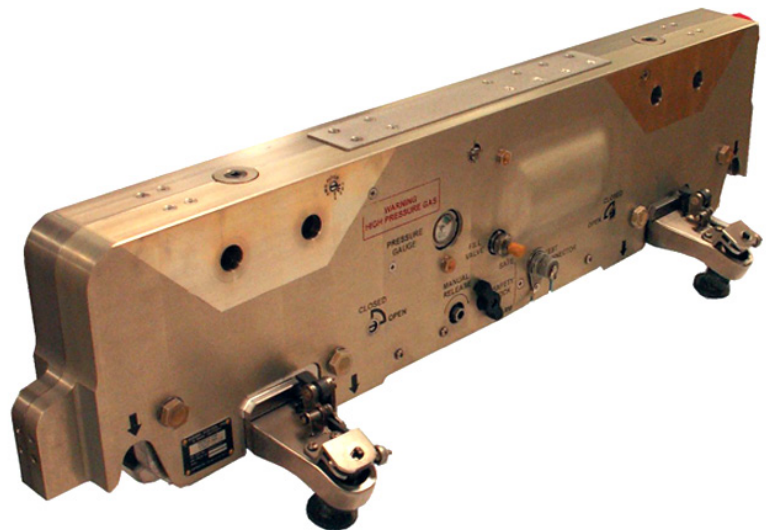
Payload Capacity	Single stores up to	
	2,500 lb	(1,134 kg)
Weight	96 lb	(44 kg)
Dimensions	36" x 3" x 8"	(915 mm x 77 mm x 204 mm)

Platform Integration

Currently integrated on the F-16 Block 60. Can easily be integrated on to other F-16 or other platforms, such as the A-10.

Performance

EOS Velocity Up to 18 ft/s



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