

Carrier Bomb Light Stores

CBLS 2000

2009 Datasheet

COBHAM

The most important thing we build is trust

CBLS 2000 provides the facility for carriage and release of up to four practise stores. Designed for carriage on aircraft wing or fuselage pylons, CBLS 2000 includes four ERU122 (EX) Ejector Release Units and associated firing control electronics (Autoselector). High Pressure Pneumatic cartridges can be used for each of these ejectors as an alternative to pyrotechnic cartridges.

Key Features

- Wide ranging load capacity
- Conforms to the latest MIL specification requirements for the Eurofighter, Gripen and latest Hawk variants.

Platform Integration

- Tornado • Jaguar • Harrier • Hawk
- Mirage 2000 • MIG 21 • Alpha Jet
- Canberra • F1 (Japan) • Hunter
- Kirin • Strikemaster



Performance Data

The following performance figures are typical for the CBLS 2000 at 15°C with 1g assisting, using CERU 201 cartridge.

Ejected velocity of stores weight 6.6lb (3kg) (reaction limited to 562lbf (2.5kN))	28ft/s (8.5m/s)
Ejected velocity of stores weight 31lb (14kg) (reaction limited to 1124lbf (5kN))	16.5ft/s (5m/s)
Ground non derangement temperature range (non firing)	-60 to +90°C
Operating temperature range (firing)	-50 to +97°C
Operating temperature range (Ram Air)	134°C (For 30seconds)
Nominal firing current	10Amps
Nominal operating voltage	28VDC

Performance data subject to specific installation

Cartridge Data

Approved cartridges – CERU 201, ARD 863-1

Servicing Periods Examples

- After firing – 30 days or 30 shots
- On aircraft – 6 months
- Storage – 2 years



Strength Data

Maximum reaction load at 97° C	1,236lbf (5.5kN)
Maximum aerodynamic load (Y axis)	4945lbf (22kN)
Maximum moments (MZ)	17850lbf ft (24.2kNm)
Unit weight	117lb/53kg

(No rocket electrical kit, rocket panniers, store adapters or suspension lugs)

Dimensions

Overall length	97" (2464 mm)
Diameter	16.6" (422mm)
Hook centres	14" (356mm) & 30" (762mm)

For further information please contact:

Cobham Mission Equipment

Brook Road, Wimborne
Dorset, BH21 2BJ
England

Tel: +44 (0) 1202 882 121

Fax: +44 (0) 1202 880 096

E-mail: missionequipment.info@cobham.com