



CERTIFICATE NUMBER

06-LD142850B-PDA

DATE

10 March 2006

ABS TECHNICAL OFFICE

London Ship Engineering

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**Hawke International**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Cable Glands

MODEL: Type ICG 623, ICG 653 Universal, ICG 653 Dedicated, ICG 611, PSG 553 RAC and PSG 553 Dedicated

ABS RULE: 2006 Steel Vessel Rules 1-1-4/7.7 and 4-8-3/1.7

OTHER STANDARD: BS EN 50014, BS EN 50018, BS EN 50019, EN 50281-1-1;

AMERICAN BUREAU OF SHIPPING

Jean-Claude G. Dennemont

Engineering Type Approval Co-ordinator

**Hawke International**

(A member of the Hubbell Group of Companies)

Oxford Street West

Ashton-under-Lyne

Lancashire OL7 0NA

United Kingdom

Telephone: 44-161-308-3611

Fax: 44-161-308-5848

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**Product:** Cable Glands

**Model:** Type ICG 623, ICG 653 Universal, ICG 653 Dedicated, ICG 611, PSG 553 RAC and PSG 553 Dedicated

**Intended Service:**

Cable glands certified for use with all types of unarmoured, armoured and braided cable; For use in hazardous locations on ships and offshore units and provide a seal around the individual conductors of the cable.

**Description:**

The gland is manufactured in brass, aluminium or stainless steel, and is produced with an entry thread size in the range M16 to M75, or equivalent sizes in NPT National Pipe Taper.

**Ratings:**

Flameproof EExd IIC 2 GD and Increased Safety EExe II 2 GD. Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22, and gas groups: IIA, IIB and IIC, Ingress Protection rating to IP66.

**Service Restrictions:**

Unit Certification is not required for this product.

**Comments:**

- 1) Special conditions as per certificate. BAS 01 ATEX 2079X for ICG 623gland apply
- 2) Special conditions as per certificate. BAS 01 ATEX 2080X for ICG 653 Universal gland apply
- 3) Special conditions as per certificate. BAS 01 ATEX 2081X for ICG 653 Dedicated gland apply
- 4) Special conditions as per certificate. BAS 04 ATEX 0262X for ICG 611gland apply
- 5) Special conditions as per certificate. BAS 01 ATEX 2074X for PSG 553 RAC gland apply
- 6) Special conditions as per certificate. BAS 01 ATEX 2075X for PSG 553 Dedicated gland apply

**Notes/Documentation:**

Baseefa Certificates as detailed above

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 06-LD142850B-PDA, dated 10/Mar/2006. This PDA Certificate expires Mar of 2011. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**STANDARDS****ABS Rules:**

2006 Steel Vessel Rules 1-1-4/7.7 and 4-8-3/1.7

**International:**

BS EN 50014, BS EN 50018, BS EN 50019, EN 50281-1-1

