Hawke International — Product Range, Types & Certificates

cBallast Technical Sourcing · Hazardous-area cable glands & fittings · issued 2026-11-22 · cballast.com/documents/hawke-international-product-range-guide

The 2026 reference to Hawke International: every gland family from the 501/453 Universal to barrier, unarmoured and industrial types, the InstrumEx, ControlEx and PowerEx connectors, enclosures, breathers, adaptors and stopping plugs — with cable acceptance tables, the current ATEX, IECEx, UKEX, cCSAus and marine certificates, how identifiers and Ex markings read, and where each family is used by sector from offshore and marine to hydrogen and data centres.

Published by cballast.com. Last reviewed November 2026. Product data is taken from Hawke International's current specification sheets, assembly instructions and catalogue; certificate numbers are quoted as Hawke prints them. In brief. Hawke International is the British manufacturer whose cable glands, connectors and enclosures are specified across the offshore, marine, petrochemical and process industries for electrical installations in explosive atmospheres. Its best-known product, the 501/453 Universal cable gland, is one member of a range that runs from flameproof barrier glands to Ex connectors with sixty contacts. This reference maps the whole range: what each type number is, which cable and protection concept it serves, how the markings read, which certificates apply today, where each product family is used by sector, and how the range is identified and supplied.

1. Key facts

Fact | Detail |

Maker | Hawke International, founded by William Hawke; the company dates the first Hawke cable gland to July 1957 |
Ownership | A Hubbell brand since 2002 |
Product families | Cable glands; connectors; enclosures; control stations; breathers; accessories (thread adaptors, reducers, stopping plugs, fittings) |
Output | "Hundreds of thousands" of cable glands every month, per the company |
Flagship product | The Universal cable gland (501/453/UNIV), which Hawke describes as a market leader for some twenty years |
Quality system | ISO 9001 |
Certification schemes | ATEX, IECEx, UKEX, cCSAus, Inmetro, KCs, PESO, CCC, EAC, SONCAP; marine approvals ABS, BV and DNV on the principal gland families |
Protection concepts | Ex db (flameproof), Ex eb (increased safety), Ex nR (restricted breathing), Ex tb and Ex ta (dust) |
Gas group | IIC on the principal families, which covers IIA and IIB |
Zones | 1 and 2 (gas), 21 and 22 (dust); 20 on the A2E |
Ingress and impact | IP66, IP67, IP68 (30 m for 7 days), IP69 on the Universal; IK10; deluge-tested to Hawke's DTS01 |
Materials | Brass, nickel-plated brass, 316L stainless steel; aluminium on some types; glass-reinforced polyester and stainless steel for enclosures |
Sizes | Gland size letters Os, O, A, B, C, C2, D, E, F, G, H, J (M16 to M100; ½" to 4" NPT) |

2. The range at a glance

Family | Series | What it is |

Cable glands, armoured cable | 501/453/UNIV, 501/453/RAC, 501/453/RAC/L | Ex d / Ex e glands with a reversible armour clamp for wire armour, braid and tape |
Cable glands, barrier | ICG 653/UNIV, ICG 653/UNIV/L, ICG 623, PSG 553/RAC, SB 474, CSB 656N | Glands that seal around the individual cores with a compound or a punched seal |
Cable glands, unarmoured cable | 501/421, 501/421/R, 501/423, 501/414, 321, A2E | Ex d / Ex e and Ex e-only glands sealing on the outer sheath |
Cable glands, North American | 711 | Barrier gland for MC-HL metal-clad cable, UL listed |
Cable glands, industrial | 151/RAC and related types | Safe-area glands on the same size letters |
Connectors | InstrumEx, ControlEx, PowerEx | Ex plug-and-socket connectors for instrument, control and power circuits |
Enclosures | PL range, EA range, S-Series | Ex e junction and terminal boxes in glass-reinforced polyester and stainless steel |
Control stations | Built on the enclosure ranges | Ex push-button, selector and indicator stations |
Breathers and drains | 389, 489 | Ex e and Ex d breather drains |
Thread adaptors and reducers | 476 | Ex d / Ex e thread conversion between metric and NPT sizes |
Stopping plugs | 487, 475, 390, 375, 387 | Certified closures for unused entries |
Fittings | Locknuts, earth tags, serrated washers, sealing washers, shrouds, GMC clamps, barrier upgrade kits | The parts that complete an entry |

3. Cable glands for armoured cable

Type | Cable | Seal on the cable | Temperature | Certificates (ATEX / IECEx / UKEX) | Notes |

501/453/UNIV | Wire armour W, wire braid X, steel tape Z; elastomer and plastic insulated; cold-flow cables | Patented diaphragm seal on the inner sheath; rear seal and inspectable deluge seal on the outer sheath | " 60 to +80 °C | CML 18ATEX1268X / CML 18.0131X / CML 21UKEX1132X | Hawke's Universal; IP66/67/68/69; IK10; tightening guide on the middlenut; black deluge boot |
501/453/RAC | W, X, Z | Elastomeric compression seal on the inner sheath; outer seal | " 60 to +100 °C | CML 19ATEX1167X /

CML 19.0045X / CML 21UKEX1161X | Sizes to J (M100); alternative clamp ring option |
501/453/RAC/L | Lead-sheathed armoured cable | Seal and electrical bond to the lead inner sheath | As RAC | As RAC | Ordered with L or K suffix |
ICG 653/UNIV | W, X, Z; cables not effectively filled, with hygroscopic fillers, cold-flow characteristics or fibre-optic cores | Two-part compound barrier around the cores in a transparent, inspectable pot | " 60 to +80 °C | CML 18ATEX1268X / CML 18.0131X / CML 21UKEX1132X | ExPress liquid resin as standard; QSP hand-mixed putty by adding Q; red deluge boot; cCSAus 1024328 |
ICG 653/UNIV/L | Lead-sheathed armoured cable | Compound barrier plus seal and bond to the lead sheath | As ICG 653 | As ICG 653 | — |
PSG 553/RAC | Armoured cable | Punched-seal barrier with armour clamping | Per Hawke's sheet | Per Hawke's sheet | Barrier without poured compound; RAC ring option |

All of these carry the marking Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc and Ex tb IIIC Db, with Ex nR under CML 19ATEX4507X, IECEx CML 21.0012X and CML 21UKEX4133X. Construction and testing are to IEC/EN 60079-0, -1, -7, -15 and -31 and to IEC/EN 62444 (anchorage type D on the ICG 653/UNIV). The 501/453/UNIV and the 501/453/RAC seal on the cable's sheath and are not barrier glands; the ICG 653/UNIV is the barrier gland on the same body, and dual-marked 501/453/UNIV glands can be converted to it with Hawke's barrier upgrade kit.

Cable acceptance of the 501/453/UNIV, the row every other armoured type is read against:

Size | Thread | Inner sheath (mm) | Outer sheath (mm) | Armour, thick / thin orientation (mm) |

Os | M20 | 3.5–8.1 | 5.5–12.0 | 0.8–1.25 / 0–0.8 |
O | M20 | 6.5–11.4 | 9.5–16.0 | 0.8–1.25 / 0–0.8 |
A | M20 | 8.4–14.3 | 12.5–20.5 | 0.8–1.25 / 0–0.8 |
B | M25 | 11.1–19.7 | 16.9–26.0 | 1.25–1.6 / 0–0.7 |
C | M32 | 17.6–26.5 | 22.0–33.0 | 1.6–2.0 / 0–0.7 |
C2 | M40 | 23.1–32.5 | 28.0–41.0 | 1.6–2.0 / 0–0.7 |
D | M50 | 28.9–44.4 | 36.0–52.6 | 1.8–2.5 / 0–1.0 |
E | M63 | 39.9–56.3 | 46.0–65.3 | 1.8–2.5 / 0–1.0 |
F | M75 | 50.5–68.2 | 57.0–78.0 | 1.8–2.5 / 0–1.0 |

The ICG 653/UNIV adds a core-count limit per size: 12 cores at Os and O, 15 at A, 30 at B, 42 at C, 60 at C2, 80 at D, 100 at E and 120 at F (48, 48, 72 and 144 fibre-optic cores at Os, O, A and B).

4. Cable glands for unarmoured cable

Type | Protection | Seal | Temperature | Certificates (ATEX / IECEx / UKEX) | Use |

501/421 | Ex db, Ex eb, Ex nR, Ex tb | Elastomeric seal on the outer sheath; alternative seal S | " 60 to +100 °C | CML 19ATEX1167X / CML 19.0045X / CML 21UKEX1161X | The standard dual-certified gland for unarmoured elastomer and plastic cables; braided cable where braid and sheath pass into the enclosure |
501/421/R | As 501/421 | Outer-sheath seal plus cable clamp | As 501/421 | As 501/421 | Where the cable must be restrained at the gland |
501/423 | Ex db, Ex eb, Ex nR, Ex tb | Double elastomeric compression seal on the outer sheath | " 60 to +100 °C | CML 19ATEX1167X / CML 19.0045X / CML 21UKEX1161X | Group II double-seal gland; better cable retention than single-seal types |
501/414 | Ex db, Ex eb, Ex nR, Ex tb | Outer-sheath seal; female threaded running coupler | " 60 to +100 °C | CML 19ATEX1167X / CML 19.0045X / CML 21UKEX1161X | Unarmoured cable installed in conduit; IP66/67 |
ICG 623 | Ex d / Ex e barrier | Compound around the individual cores; QSP putty version | Per Hawke's sheet | Per Hawke's sheet | Barrier gland for unarmoured cable |
SB 474 | Ex d / Ex e barrier | Seal with core holes punched to suit, using Hawke punch tools 1 to 3 | Per Hawke's sheet | Per Hawke's sheet | Barrier without poured compound |
CSB 656N | Ex d / Ex e barrier | Compound around individual conductors; male and female threads | Per Hawke's sheet | Per Hawke's sheet | Conductors in conduit |
321 | Ex eb IIC Gb, Ex tb IIIC Db | Elastomeric Ex e seal on the outer sheath; alternative seal S | " 60 to +100 °C | CML 19ATEX3164X / CML 19.0042X | Increased-safety and dust enclosures only |
A2E (APEX A2e) | Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da | IP washer, inner seal, skid washer | " 60 to +130 °C | CML23ATEX1002X / CML 23.0001X / CML23UKEX1004X | Ex e gland with the widest temperature range; dust to Zone 20; IP66/67 |

Cable acceptance of the 501/421 (per the current specification sheet; the 501/423 and 321 follow the same compression-seal table):

Size | Thread | Standard seal, outer sheath (mm) | Alternative seal S (mm) | Across flats (mm) |

2K | M16 | 3.2–8.0 | — | 19.0 |
Os | M20 (M16 available) | 3.2–8.0 | — | 24.0 |
O | M20 (M16 available) | 6.5–11.9 | — | 24.0 |
A | M20 | 10.0–14.3 | 9.0–13.4 | 30.0 |
B | M25 | 13.0–20.2 | 9.5–15.4 | 36.0 |
C | M32 | 19.5–26.5 | 15.5–21.2 | 46.0 |
C2 | M40 | 25.0–32.5 | 22.0–28.0 | 55.0 |
D | M50 | 31.5–44.4 | 27.5–34.8 | 65.0 |
E | M63 | 42.5–56.3 | 39.0–46.5 | 80.0 |
F | M75 | 54.5–68.2 | 49.5–58.3 | 95.0 |
G | M80 | 67.0–73.0 | — | 106.4 |
H | M90 | 67.0–77.6 | — | 115.0 |

J | M100 | 77.0–91.6 | — | 127.0 |

The 501/421, 501/423 and 501/414 are built and tested to IEC/EN 62444 (anchorage type B) as well as the IEC 60079 series, are rated IK10 and carry cCSAus 1015065. For Ex d use the cable must meet the requirements of IEC 60079-14, and glands for unarmoured and braided cable are for fixed installations with the cable secured against pull and twist. The 321 and A2E carry no flameproof marking and are not fitted to Ex d enclosures.

5. Other gland families

Type | What it is | Key data |

711 | Barrier gland for North American MC-HL (corrugated metal-clad) cable | UL listed (E84940) with ATEX and IECEx certification (Sira 06ATEX1295X; IECEx SIR 06.0082X); " 60 to +80 °C (ATEX), " 50 to +60 °C (UL) |
653/UNIV mining gland | Group I version of the Universal barrier body for mining | Per Hawke's mining specification sheet |
151/RAC | Industrial gland for armoured cable (wire W, braid X, aluminium strip Y, steel tape Z) in safe areas | EN 50262; BS 6121 Part 1 types CW, CX, CY, CZ; IP66; " 60 to +100 °C; not Ex certified |

6. Connectors

Hawke's connectors allow equipment in hazardous areas to be connected and disconnected without opening an enclosure or re-making a gland, which is why they appear on skids, portable equipment, drilling packages and anything that is replaced as a unit.

Range | Duty | Protection and marking | Ratings | Certificates | Features |

InstrumEx | Instrument and signal circuits | Ex de IIC, dust Ex tD (II 2 GD), per Hawke's catalogue | IP66/67; DTS01 deluge; " 40 to +60 °C | Baseefa06ATEX0061X; IECEx BAS 06.0018X | Bulkhead receptacle, connector plug and inline receptacle forms; crimped or soldered contacts; secondary keying; four-start ACME thread; reversible armour clamp; anti-rotation spigot |
ControlEx | Control and low to medium power | Ex db IIC Gb T5/T6; Ex tb IIIC Db T95/T80; Class I Zone 1 AEx d IIC | Up to 60 contacts; up to 125 A and 750 V depending on contact arrangement; conductors 0.5 to 35 mm²; 316L stainless steel; IP66/67; DTS01; " 40 to +60 °C | Baseefa12ATEX0014X; IECEx BAS 12.0006X; BAS21UKEX0067X; cCSAus 2633583; ABS, BV, DNV | Front and back pin and socket inserts; keying against misconnection; optional locking pin; running coupler for fitting to a pre-assembled gland; ACME thread; inspectable flameproof barrier |
PowerEx | Power circuits | Ex d IIC, dust Ex tD (II 2 GD), per Hawke's catalogue | IP66/67; DTS01; " 40 to +60 °C | Baseefa06ATEX0062X; IECEx BAS 06.0019X | Field-wireable; internal earth as standard; five-position insert keying; running coupler; ACME thread |

Zones: 1, 21, 2 and 22. Standards on the ControlEx certificate: IEC/EN 60079-0, -1 and -31, CSA/UL 60079-0, -1 and -31 and UL 1977.

7. Enclosures, control stations and breathers

Range | Material | Character | Use |

PL range | Glass-reinforced polyester | Ex e; impact strength quoted to 20 Nm; resistant to corrosive atmospheres | Junction and terminal boxes for instrumentation and power |
EA range | — | Ex e; sloped-face design for fast installation and inspection; dust-tight and watertight | Terminal boxes where access matters |
S-Series | Stainless steel | The most robust range; chemical corrosion resistance; Zones 1, 2, 21 and 22 | Offshore, marine and chemical plant |
Control stations | Built on the enclosure ranges | ATEX, IECEx and UL | Local start/stop, selector and indication |
389 breather drain | Brass, nickel-plated brass | Ex e | Condensation drain and pressure equalisation on Ex e enclosures |
489 breather drain | Brass, nickel-plated brass | Ex d | The same on flameproof enclosures |

Hawke states more than thirty years of enclosure manufacture and names oil and gas, offshore wind and petrochemical among the applications.

8. Adaptors, plugs and fittings

Type | Function | Protection | Notes |

476 | Thread adaptor (smaller male to larger female) and reducer (larger male to smaller female) | Ex d / Ex e | Metric to metric, NPT to metric, NPT to NPT; Hawke's part string marks them 476/A and 476/R |
487 | Dome-head stopping plug | Ex d / Ex e | For unused entries on either enclosure type |
475 | Tamperproof stopping plug | Ex d | Removable only with a tool |
390 | Hex-head stopping plug | Ex e | Not for flameproof enclosures |
375 | Nylon stopping plug | Ex e | Not for flameproof enclosures |
Locknut | Secures a gland in a clearance hole | — | By thread and material |
Earth tag | External bonding point for the armour | — | By thread |
Serrated washer | Resists loosening of the locknut under vibration | — | Stainless steel |
Sealing washer | Maintains the enclosure's IP rating at the entry | — | Required on Ex e entries by the glands' conditions of use |
Shroud | Additional corrosion protection | — | By gland size |
GMC | Gland-mounted clamp restraining unarmoured cable | — | Terminal sizes 1 to 5 |
Barrier upgrade kit | Converts a dual-marked 501/453/UNIV to an ICG 653/UNIV | — | Compound pot and spigot, red deluge boot, compound |

9. Reading a Hawke identifier and marking

Ordering designation. Type, size, thread, material, suffix: 501/453/UNIV C M32 NP AR is a Universal gland, size C, M32 entry, nickel-plated brass, with the alternative armour clamp ring. Brass is implied when no material is stated. S denotes the alternative seal on compression-seal glands; Q denotes quick-set putty on barrier glands; NPT threads are written as decimals in Hawke's part strings (1.25 for 1¼").

Part strings. 453UCM32R is the same Universal gland in Hawke's compressed form (type 453U, size C, M32, R for the alternative ring); 653U C 1.25 NP R Q is an ICG 653/UNIV, size C, 1¼" NPT, nickel-plated, alternative ring, putty compound.

Body marking. Each gland carries its type, size and certificate marking; dual-marked Universal bodies read "HAWKE 501/453 UNIV (BLACK) / HAWKE ICG 653 UNIV (RED)", the colour being that of the deluge boot fitted.

Ex marking, read left to right.

Element | Meaning |

II 2 GD | ATEX equipment group II (surface industries), category 2, gas and dust |
Ex db | Flameproof enclosure, equipment protection level b |
Ex eb | Increased safety, level b |
Ex nR | Restricted breathing (Zone 2) |
Ex tb / Ex ta | Dust protection by enclosure, level b (Zones 21, 22) or a (Zone 20) |
IIC | Gas group including hydrogen and acetylene; covers IIA and IIB |
IIIC | Conductive dust; covers IIIA and IIIB |
Gb / Gc / Db / Da | Equipment protection level for gas (Zone 1 / Zone 2) and dust (Zone 21 / Zone 20) |
X after the certificate number | Special conditions of use apply, printed in the assembly instruction |

10. Where the range is used, by sector

Sector | Typical hazardous areas | Governing documents | Hawke families that apply |

Offshore oil and gas | Process, wellhead and drilling areas; deluge-protected modules | IEC 61892-7; IEC 60079-14 and -17; NORSOK E-001 on the Norwegian shelf; operator specifications | 501/453/UNIV and RAC on braided NEK TS 606 and wire-armoured cable; ICG 653/UNIV where a barrier is required; S-Series enclosures; connectors on skids and drilling packages |
Marine and shipbuilding | Tanker cargo areas, paint and battery stores, fuel-gas spaces | IEC 60092-502; classification society rules | 501/453 families with ABS, BV and DNV approval on shipboard cable to IEC 60092-353; 151/RAC outside hazardous zones |
Refining, petrochemical and chemical | Process units, tank farms, loading bays | IEC 60079-10-1 for classification; IEC 60079-14 and -17; ATEX 1999/92/EC and its national implementations | Whole range; 711 on North American projects |
Hydrogen and power-to-X | Electrolyser halls, compression, storage and dispensing | IEC 60079-10-1; group IIC equipment | All principal Hawke families are certified IIC; barrier glands where the installation standard requires them |
Data centres | Battery rooms (hydrogen evolved on charge; ventilation to EN IEC 62485-2), hydrogen and gas fuel systems for on-site generation, fuel-handling plant | EN IEC 62485-2; IEC 60079-10-1 | Ex families in the classified rooms; 151/RAC on armoured power cable in plant rooms outside them |
Aviation | Fuel farms and hydrant systems for Jet A-1; aircraft hangars | In the United States NEC Article 513 classifies hangar pits as Class I Division 1 and the floor area to 18 inches, and the space within 5 feet of aircraft power plants and fuel tanks, as Division 2; in Europe classification follows 1999/92/EC and IEC 60079-10-1 | Ex d / Ex e glands and enclosures in classified areas; cCSAus-certified types for North American installations |
Mining | Underground workings (Group I) | IEC 60079-0 Group I | 653/UNIV mining gland |
Offshore wind and renewables | Substations, transformer and battery spaces | Project specifications | Enclosures and glands; Hawke names offshore wind among its enclosure applications |

Classification of any real area is the work of the installation's designer under the applicable standard; the table shows where classified areas arise, not their extent.

11. Certificates in force

Product | ATEX | IECEx | UKEX | North America | Marine and other |

501/453/UNIV | CML 18ATEX1268X | CML 18.0131X | CML 21UKEX1132X | cCSAus 1015065 | Inmetro IEx 14.0272X; PESO P450038; EAC; KCs; CNEx |
ICG 653/UNIV | CML 18ATEX1268X | CML 18.0131X | CML 21UKEX1132X | cCSAus 1024328 | ABS 19-LD1876514-1-PDA; BV 43523/B0; DNV TAE0000BS; CCC; EAC; Inmetro; KCs; PESO; SONCAP |
501/453/RAC | CML 19ATEX1167X | CML 19.0045X | CML 21UKEX1161X | cCSAus 1015065 | DNV TAE0000BS; Inmetro IEx 14.0272X; EAC |
501/421, 501/423, 501/414 | CML 19ATEX1167X | CML 19.0045X | CML 21UKEX1161X | cCSAus 1015065 | ABS 19-LD1876514-1-PDA; BV 43523/B0; DNV TAE0000BS (501/421); CCC; EAC; Inmetro; PESO |
Ex nR on the above | CML 19ATEX4507X | CML 21.0012X | CML 21UKEX4133X | — | — |
321 | CML 19ATEX3164X | CML 19.0042X | — | — | — |
A2E | CML23ATEX1002X | CML 23.0001X | CML23UKEX1004X | — | — |
ControlEx | Baseefa12ATEX0014X | BAS 12.0006X | BAS21UKEX0067X | cCSAus 2633583 | ABS, BV, DNV, EAC, Inmetro, PESO, SONCAP |
InstrumEx | Baseefa06ATEX0061X | BAS 06.0018X | — | — | — |
PowerEx | Baseefa06ATEX0062X | BAS 06.0019X | — | — | — |

Glands installed before the current certificates were issued carry Baseefa numbers for the same products (Baseefa06ATEX0057X on the Universal, 0056X on the 501/421 family, 0058X on the ICG 653); a current replacement of the same type and size is the same product under its current certificate, and an asset register should record both.

12. The Hawke range at cballast

cballast lists 335 Hawke variants, each under its Hawke designation and its Nordic trade article number, with the cable range, thread, material and certificates on the page.

Family | Listed variants | Example |

501/453/UNIV | 27 | Size B, M25, nickel-plated brass |
501/453/RAC | 9 | Size B, M25, nickel-plated brass |
ICG 653/UNIV | 24 | Size B, M25, nickel-plated brass |

501/421 | 22 | Size B, M25, brass |
501/423 | 18 | Size B, M25, nickel-plated brass |
321 | 2 | Size Os, M20, nickel-plated brass |
A2E | 20 | Size B, M25, nickel-plated brass |
151/RAC | 9 | Size C, M32, brass |
476 adaptors and reducers | 80 | M25 to M20, brass |
487 stopping plugs | 22 | M20, nickel-plated brass |
475 stopping plugs | 11 | M20, brass |
390 stopping plugs | 16 | M20, nickel-plated brass |
375 and 387 stopping plugs | 7 | 375, M20, nylon |
389 and 489 breather drains | 8 | 389, M20, brass |
Locknuts | 20 | M20, brass |
Earth tags | 16 | M20, brass |
Serrated washers | 8 | M20, 316 stainless steel |
Sealing washers | 7 | M20 |
GMC clamps | 5 | Terminal size 3, for size A |
Barrier upgrade (conversion) kits | 4 | Size B |

The full line is on the Hawke brand page. Variants Hawke makes that are not carried as listed lines (other materials and NPT threads, sizes G to J, lead-sheath and punched-seal types, connectors and enclosures) are supplied against the same designations.

Supply. cballast supplies Hawke to operators, EPC contractors, shipyards, panel builders and public institutions on account: single replacement lines, complete gland schedules for projects, and standing lists on agreed unit rates for operating assets. Every line is quoted on its Hawke designation and trade article number with a firm delivery date; declarations of conformity, ATEX, IECEx and UKEX certificates, assembly instructions, marine approvals and EN 10204 material certificates accompany the goods as specified; public bodies are invoiced by Peppol BIS or EHF. Requirements go to sales@cballast.com.

Frequently asked questions
What is Hawke International?A British manufacturer of cable glands, Ex connectors, enclosures, control stations and fittings for electrical installations in hazardous areas and harsh environments, founded by William Hawke, producing glands since 1957 and part of Hubbell since 2002.What does Hawke make besides cable glands?Ex connectors (InstrumEx for instruments, ControlEx for control and power up to 60 contacts, 125 A and 750 V, PowerEx for power), Ex e enclosures in glass-reinforced polyester and stainless steel (PL range, EA range, S-Series), control stations, breather drains (389 and 489), thread adaptors and reducers (476) and stopping plugs (487, 475, 390, 375).Which Hawke gland is used for armoured cable in Zone 1?The 501/453/UNIV or the 501/453/RAC, both marked Ex db IIC Gb and Ex eb IIC Gb, for wire armour, braid and tape; the ICG 653/UNIV where the installation standard requires a barrier gland.Which Hawke gland is used for unarmoured cable?The 501/421 (single seal) or 501/423 (double seal) on Ex d and Ex e enclosures; the 321 or A2E on Ex e and dust enclosures only.Are Hawke glands ATEX and IECEx certified?Yes. The principal families carry ATEX, IECEx and UKEX certificates issued by CML (for example CML 18ATEX1268X and IECEx CML 18.0131X on the 501/453/UNIV and ICG 653/UNIV; CML 19ATEX1167X and IECEx CML 19.0045X on the 501/453/RAC, 501/421, 501/423 and 501/414), with cCSAus, marine and national-scheme approvals.Are Hawke glands suitable for hydrogen?The principal families are certified for gas group IIC, which includes hydrogen. The gland type at a flameproof entry in hydrogen service is decided by the installation designer under IEC 60079-14, which may require a barrier gland.What do the Hawke size letters correspond to? Thread sizes: Os, O and A are M20; B is M25; C is M32; C2 is M40; D is M50; E is M63; F is M75; G is M80; H is M90; J is M100; 2K is the M16 size of the 501/421 and 321. The letter is chosen from the cable's diameters, the thread from the enclosure.Where can Hawke products be sourced with certificates and firm delivery dates?cballast.com lists 335 Hawke variants by Hawke designation and Nordic trade article number and supplies the wider range against the same designations, with certificates and documents per line, to operators, contractors, yards and public institutions on account.
14. Sources

Hawke International: company information; specification sheets for the 501/453/UNIV, 501/453/RAC, ICG 653/UNIV, 501/421, 501/423, 501/414, 321 and A2E; assembly instructions AI 2000, AI 302, AI 2001, AI 2034 and AI 2037; gland, connector and enclosure catalogues. Standards and regulations: IEC 60079-0, -1, -7, -10-1, -14, -15, -17 and -31; IEC 62444; IEC 60529; IEC 62262; IEC 61892-7; IEC 60092-353 and -502; EN IEC 62485-2; NEC Article 513; Directives 2014/34/EU and 1999/92/EC; NEK TS 606; NORSOK E-001.

Related guides
Hawke 501/453 & ICG 653 — installation & inspection
Hawke cable glands & fittings — the sourcing index
Cable gland selection guide — metric, NPT, PG, Ex, marine
Marine cable types — RFOU, BFOU and IEC 60092
Fixed gas detection — selection, siting, calibration
Class society type approval — DNV, ABS, LR, BV, ClassNK
EN 10204 material certificates explained

cballast.com is an independent industrial and marine MRO distributor headquartered in Norway, supplying more than 336,000 part numbers from more than 1,000 brands to operators, EPC contractors, shipyards, utilities and public institutions.

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