Hawke Cable Glands & Fittings — The Sourcing Index

cBallast Technical Sourcing · Hazardous-area cable glands & fittings · issued 2026-11-22 · cballast.com/documents/hawke-cable-glands-sourcing-index

Every Hawke item in the cballast range in one index: 501/453/UNIV, 501/453/RAC, ICG 653, 501/421, 501/423, 321, A2E and 151/RAC by size letter, thread, cable range and material with the Nordic trade article number per variant, plus 476 adapters, stopping plugs, breather drains, locknuts, earth tags, washers, clamps and conversion kits — arranged so a type designation, a size letter, a thread or a measured cable diameter leads to one row, one number and one page.

This is the index volume of the cballast Hawke reference set: the product range guide decodes the families, type numbers and certificates, the installation and inspection guide covers fitting and inspection, and this page is the table layer — every Hawke item we list, arranged so that a type designation, a size letter, a thread or a cable diameter leads to one row, one article number and one page. Hawke is named because the subject is its products. Cable ranges, markings and certificate numbers are from Hawke's current specification sheets and installation instructions; article numbers are the seven-digit numbers under which the Nordic electrical wholesale trade lists each variant (the EFO number in Norway), and each one links to its page. Where a variant is not listed, the table says "on request" rather than inventing a number.

How to read the index

A Hawke identifier has five parts, and the index is organised by them:

Type: the family and therefore the cable construction and protection concept. 501/453/UNIV and 501/453/RAC for armoured cable in Ex d, Ex e, Ex nR and Ex t areas; ICG 653/UNIV for armoured cable where a compound barrier is required; 501/421 (single seal) and 501/423 (double seal) for unarmoured cable in Ex d and Ex e areas; 321 and A2E for unarmoured cable in Ex e and Ex t areas only; 151/RAC for armoured cable in safe areas.
Size letter: Os, O, A, B, C, C2, D, E, F, G, H, J (and 2K, the M16 size of the 501/421 and 321). The letter fixes the thread and the hexagon across all types; the cable range per letter differs by type and is given in each table.
Thread: metric as standard (Os, O and A on M20, with M16 available on Os and O; B M25; C M32; C2 M40; D M50; E M63; F M75; G M80; H M90; J M100) or NPT from ½" to 4". The thread is chosen from the enclosure entry, the size from the cable; where they disagree a 476 adapter bridges them.
Material: brass (BR), nickel-plated brass (NP), 316L stainless steel (SS); aluminium on request; nylon (NY) for the 375 plug and the sealing washers.
Suffix: S for the alternative seal (a smaller cable range in the same gland), AR for the alternative armour clamping ring.

Hawke's own compressed part strings carry the same five parts: 501/453/U-O1/2NBR is a 501/453/UNIV, size O, ½" NPT, brass; 501/453/U-A1/2NNP is size A, ½" NPT, nickel-plated; 476/R-3/4N-1/2NBR is a 476 reducer from ¾" NPT to ½" NPT in brass and 476/A-1/2N-3/4NNP a 476 adapter from ½" to ¾" NPT in nickel-plated brass; 489-M25NP is a 489 drain, M25, nickel-plated. A sourcing request that carries the type, size, thread, material and suffix (501/453/UNIV B M25 NP AR) or the article number is priced without a question; one that carries "Hawke gland M25" is not yet a product.

Article numbers in the tables link to the product pages; the whole line is on the Hawke brand page.

1. Family selector

Type | Cable | Marking (per Hawke) | Seal | Temperature | IP | Current certificates |

501/453/UNIV | Armoured: wire W, braid X, tape Z; cold-flow cables | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db | Diaphragm seal on inner sheath; deluge and LSF retention seals on outer sheath; reversible armour clamp | " 60 to +80 °C | IP66/67/68 (30 m, 7 days)/69, NEMA 4X, IK10 | CML 18ATEX1268X; IECEx CML 18.0131X; CML 21UKEX1132X; Ex nR CML 19ATEX4507X, IECEx CML 21.0012X, CML 21UKEX4133X; cCSAus 1015065 |
501/453/RAC | Armoured W, X, Z | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db | Compression seal on inner sheath; outer seal; reversible armour clamp with grounding ring | " 60 to +100 °C | IP66/67/68 (30 m, 7 days), NEMA 4X, IK10 | CML 19ATEX1167X; IECEx CML 19.0045X; CML 21UKEX1161X; Ex nR as above; cCSAus 1015065 |
ICG 653/UNIV | Armoured W, X, Z where IEC 60079-14 requires a barrier | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db | Two-part compound barrier around the cores (ExPress resin or QSP putty); deluge and LSF seals | " 60 to +80 °C | IP66/67/68 (30 m, 7 days)/69, NEMA 4X, IK10 | CML 18ATEX1268X; IECEx CML 18.0131X; CML 21UKEX1132X; cCSAus 1024328 |
501/421 | Unarmoured; braided where the braid passes into the enclosure | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db | Single compression seal on outer sheath; alternative seal S | " 60 to +100 °C | IP66/67/68 (30 m, 7 days), NEMA 4X, IK10 | CML 19ATEX1167X; IECEx CML 19.0045X; CML 21UKEX1161X; cCSAus 1015065 |
501/423 | Unarmoured; braided as above | Ex d, Ex e; II 2GD | Two independent seals: flameproof seal plus IP seal on outer sheath | " 60 to +100 °C | IP66/67/68, NEMA 4X | As 501/421 |
321 | Unarmoured; braided as above | Ex eb IIC Gb, Ex tb IIIC Db; II 2GD | Compression seal on outer sheath; alternative seal S | " 60 to +100 °C | IP66/67/68 (30 m, 7 days), NEMA 4X | CML 19ATEX3164X; IECEx CML 19.0042X |
A2E (APEX A2e) | Unarmoured or braided (braid into enclosure) | Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da; II 2G / 3G / 1D | IP washer, inner seal, skid washer | " 60 to +130 °C | IP66/67, IK08 | CML23ATEX1002X; IECEx CML 23.0001X; CML23UKEX1004X |
151/RAC | Armoured W, X, Y, Z, safe areas | None (industrial; EN 50262; BS 6121 Part 1 CW, CX, CY, CZ) | LSF retention seal on outer sheath; reversible armour clamp | " 60 to +100 °C | IP66 | Not an Ex product |

The 501/453/UNIV and 501/453/RAC seal on the sheath and are not barrier glands; the barrier gland for armoured cable is the ICG 653/UNIV. The 321 and A2E carry no Ex d marking and are not used on flameproof enclosures. All Ex types carry the deluge test to Hawke's DTS01. Where Hawke's installation instructions attach special conditions (the X in the certificate number), the ones that affect sourcing are: the entry thread is sealed when the gland is used for increased safety (a sealing washer or approved sealant, which is a line on the order), glands for unarmoured and braided cable are for fixed installations with the cable clamped against pull and twist, and IP68 requires thread sealant.

2. 501/453/UNIV, universal armoured gland, Ex db / eb / nR / tb

Sized on the inner sheath (bedding); outer sheath and armour checked against the same row. Ranges from Hawke's current 501/453/UNIV specification sheet. Threads Os to F are 1.5 mm pitch, 15 mm long; G, H and J (M80, M90, M100; outer sheath 75.0–89.5, 75.0–89.5 and 88.0–104.5 mm; inner sheath 67.0–73.0, 67.0–77.6 and 77.0–91.6 mm) are supplied in the RAC design and on request. Alternative armour ring AR shifts the armour range on B to F (B 0.9–1.25 / 0.5–0.9; C and C2 1.2–1.6 / 0.6–1.2; D, E, F 1.45–1.8 / 1.0–1.45). Across-corners dimensions: Os and O 26.5, A 32.5, B 39.5, C 50.5, C2 60.6, D 70.8, E 88.0, F 104.0 mm.

Size | Metric thread | NPT option | Inner sheath min–max (mm) | Outer sheath min–max (mm) | Armour wire or braid, orientation 1 / 2 (mm) | Brass | Nickel-plated brass | 316L stainless |

Os | M20 | ½" | 3.5–8.1 | 5.5–12.0 | 0.8–1.25 / 0–0.8 | 1253539 | 1232844 | on request |
O | M20 | ½" | 6.5–11.4 | 9.5–16.0 | 0.8–1.25 / 0–0.8 | 1253540 | 1232843 | 1253810 |
A | M20 | ¾" or ½" | 8.4–14.3 | 12.5–20.5 | 0.8–1.25 / 0–0.8 | 1253541 | 1232833 | 1253811 |
B | M25 | 1" or ¾" | 11.1–19.7 | 16.9–26.0 | 1.25–1.6 / 0–0.7 | 1253542 | 1232834 | 1253812 |
C | M32 | 1¼" or 1" | 17.6–26.5 | 22.0–33.0 | 1.6–2.0 / 0–0.7 | 1253543 | 1232835 | 1253813 |
C2 | M40 | 1½" or 1¼" | 23.1–32.5 | 28.0–41.0 | 1.6–2.0 / 0–0.7 | 1253544 | 1232836 | 1253814 |
D | M50 | 2" or 1½" | 28.9–44.4 | 36.0–52.6 | 1.8–2.5 / 0–1.0 | 1253545 | 1232837 | on request |
E | M63 | 2½" or 2" | 39.9–56.3 | 46.0–65.3 | 1.8–2.5 / 0–1.0 | 1253546 | 1232838 | 1253816 |
F | M75 | 3" or 2½" | 50.5–68.2 | 57.0–78.0 | 1.8–2.5 / 0–1.0 | 1253547 | 1232839 | on request |

NPT and part-string variants listed: 501/453/U-O1/2NBR, size O, ½" NPT, brass, 1253548; 501/453/U-A1/2NNP, size A, ½" NPT, nickel-plated, 1232831; 501/453/U-1NNP, 1" NPT, nickel-plated, 1232832. Other NPT sizes, the AR ring, the S seal and aluminium bodies are quoted on request against the same rows.

3. 501/453/RAC, armoured gland with compression seal, Ex db / eb / nR / tb

Same threads, hexagons and outer-sheath ranges as the UNIV; the inner seal is an elastomeric compression seal with a wider temperature range (" 60 to +100 °C) and the clamp carries an integral grounding ring. Ranges from Hawke's current 501/453/RAC specification sheet. Listed in nickel-plated brass; brass and 316L on request.

Size | Metric thread | NPT option | Inner sheath min–max (mm) | Outer sheath min–max (mm) | Nickel-plated brass |

Os | M20 | ½" | 3.2–8.0 | 5.5–12.0 | 1232830 |
O | M20 | ½" | 6.5–11.9 | 9.5–16.0 | 1232829 |
A | M20 | ¾" or ½" | 10.0–14.3 | 12.5–20.5 | 1232822 |
B | M25 | 1" or ¾" | 13.0–20.2 | 16.9–26.0 | 1232823 |
C | M32 | 1¼" or 1" | 19.5–26.5 | 22.0–33.0 | 1232824 |
C2 | M40 | 1½" or 1¼" | 25.0–32.5 | 28.0–41.0 | 1232825 |
D | M50 | 2" or 1½" | 31.5–44.4 | 36.0–52.6 | 1232826 |
E | M63 | 2½" or 2" | 42.5–56.3 | 46.0–65.3 | 1232827 |
F | M75 | 3" or 2½" | 54.5–68.2 | 57.0–78.0 | 1232828 |

Brass and 316L bodies, the G, H and J sizes (M80, M90, M100) and NPT entries are quoted on request against the same rows.

4. ICG 653/UNIV, barrier gland for armoured cable, Ex d / Ex e

Ordered by the same size letters; the compound pot limits the number of cores per size (per Hawke's current specification sheet; 48, 48, 72 and 144 fibre-optic cores at Os, O, A and B). Used where the installation designer's decision under IEC 60079-14 calls for a barrier at a flameproof entry; the conversion kits in section 12 turn an installed 501/453 into an ICG 653 of the same size. Compound and instructions ship with the gland; the compound carries a shelf life.

Size | Metric thread | NPT option | Maximum cores | Brass | Nickel-plated brass | 316L stainless |

Os | M20 | ½" | 12 | 1253270 | 1232812 | 1232821 |
O | M20 | ½" | 12 | 1253271 | 1232811 | 1232820 |
A | M20 | ¾" or ½" | 15 | on request | 1232804 | 1232813 |
B | M25 | 1" or ¾" | 30 | 1253273 | 1232805 | 1232814 |
C | M32 | 1¼" or 1" | 42 | 1253274 | 1232806 | 1232815 |
C2 | M40 | 1½" or 1¼" | 60 | 1253275 | 1232807 | on request |
D | M50 | 2" or 1½" | 80 | 1253276 | 1232808 | 1232817 |
E | M63 | 2½" or 2" | 100 | 1253277 | 1232809 | 1232818 |
F | M75 | 3" or 2½" | 120 | 1253278 | 1232810 | on request |

5. 501/421, unarmoured gland, single seal, Ex d / Ex e

Sized on the cable's outer sheath. Standard-seal and alternative-seal ranges per Hawke's current compression-gland sheet (the 321 sheet prints the same table); the alternative seal S takes a smaller cable in the same gland and is a separate listing. The 2K size is the M16 gland for 3.2–8.0 mm cable. For sizes D, E and F the reduced NPT entry limits the maximum to 42.3, 54.3 and 65.3 mm respectively. Unarmoured glands are for fixed installations with the cable clamped against pull and twist (GMC clamps, section 12).

Size | Metric thread | NPT option | Standard seal, cable outer sheath min–max (mm) | Alternative seal S min–max (mm) | Brass | Nickel-plated brass | 316L stainless | Brass with seal S |

2K | M16 | — | 3.2–8.0 | — | 1253439 | on request | on request | — |
Os | M20 | ½" | 3.2–8.0 | — | 1253440 | 1253890 | on request | — |
O | M20 | ½" | 6.5–11.9 | — | 1253441 | 1253891 | on request | — |
A | M20 | ¾" or ½" | 10.0–14.3 | 9.0–13.4 | 1253442 | 1253892 | 1253872 | 1253443 |
B | M25 | 1" or ¾" | 13.0–20.2 | 9.5–15.4 | 1253444 | 1253893 | 1253873 | on request |
C | M32 | 1¼" or 1" | 19.5–26.5 | 15.5–21.2 | 1253446 | 1253894 | 1253874 | on request |
C2 | M40 | 1½" or 1¼" | 25.0–32.5 | 22.0–28.0 | 1253448 | 1253895 | on request | 1253449 |
D | M50 | 2" or 1½" | 31.5–44.4 | 27.5–34.8 | 1253450 | 1253896 | on request | on request |
E | M63 | 2½" or 2" | 42.5–56.3 | 39.0–46.5 | 1253452 | on request | on request | on request |
F | M75 | 3" or 2½" | 54.5–68.2 | 49.5–58.3 | on request | on request | on request | on request |
G | M80 | 3½" | 67.0–73.0 | — | 1253456 | on request | on request | — |

6. 501/423, unarmoured gland, two independent seals, Ex d / Ex e

A flameproof seal and a separate IP seal on the outer sheath, for specifications that call for double sealing on unarmoured cable at Ex d enclosures. Same size letters and cable ranges as the 501/421.

Size | Metric thread | NPT option | Cable outer sheath min–max (mm) | Brass | Nickel-plated brass |

Os | M20 | ½" | 3.2–8.0 | 1253050 | 1232864 |
O | M20 | ½" | 6.5–11.9 | 1253051 | 1232863 |
A | M20 | ¾" or ½" | 10.0–14.3 | 1253052 | 1232853 |
B | M25 | 1" or ¾" | 13.0–20.2 | 1253054 | 1232854 |
C | M32 | 1¼" or 1" | 19.5–26.5 | 1253056 | 1232855 |
C2 | M40 | 1½" or 1¼" | 25.0–32.5 | 1253058 | 1232856 |
D | M50 | 2" or 1½" | 31.5–44.4 | 1253060 | 1232857 |
E | M63 | 2½" or 2" | 42.5–56.3 | 1253062 | 1232858 |
F | M75 | 3" or 2½" | 54.5–68.2 | 1253064 | 1232859 |

7. 321, unarmoured gland, Ex eb / Ex tb only

The increased-safety gland for unarmoured cable where no Ex d marking is needed. Ranges per Hawke's 321 specification sheet, standard seal and alternative seal S; the full table runs 2K (M16, 3.2–8.0), Os (3.2–8.0), O (6.5–11.9), A (10.0–14.3; S 9.0–13.4), B (13.0–20.2; S 9.5–15.4), C (19.5–26.5; S 15.5–21.2), C2 (25.0–32.5; S 22.0–28.0), D (31.5–44.4; S 27.5–34.8), E (42.5–56.3; S 39.0–46.5), F (54.5–68.2; S 49.5–58.3), G (67.0–73.0), H (67.0–77.6), J (75.0–91.6). Listed sizes:

Size | Metric thread | Standard seal min–max (mm) | Alternative seal S min–max (mm) | Nickel-plated brass |

Os | M20 | 3.2–8.0 | — | 1232915 |
A | M20 | 10.0–14.3 | 9.0–13.4 | 1232917 |

Other 321 sizes and materials on request against the table above.

8. A2E (APEX A2e), unarmoured gland, Ex eb / Ex nR / Ex ta

The widest temperature range in the family (" 60 to +130 °C) and dust protection to Zone 20 (Ex ta IIIC Da); IP66/67. Ranges per Hawke's A2E installation instruction; metal parts to EN 10204 2.2 or 3.1 on request. Size Os is listed with both M16 and M20 entries.

Size | Thread | Cable outer sheath min–max (mm) | Brass | Nickel-plated brass |

Os | M16 | 2.5–7.5 | 1232523 | 1232533 |
Os | M20 | 2.5–7.5 | 1232524 | 1232534 |
O | M20 | 6.5–11.8 | 1232525 | 1232535 |
A | M20 | 8.0–14.4 | 1232526 | 1232536 |
B | M25 | 10.0–19.7 | 1232527 | 1232537 |
C | M32 | 14.5–26.4 | 1232528 | 1232538 |
C2 | M40 | 21.0–32.4 | 1232529 | 1232546 |
D | M50 | 29.0–44.0 | 1232530 | 1232547 |
E | M63 | 41.5–55.0 | 1232531 | 1232934 |
F | M75 | 52.0–67.5 | 1232532 | 1232935 |

9. 151/RAC, industrial armoured gland, safe areas

The non-hazardous-area gland for wire armour W, braid X, aluminium strip Y and steel tape Z, to EN 50262 and BS 6121 Part 1 types CW, CX, CY and CZ, IP66, " 60 to +100 °C, with the same reversible armour clamp and size letters as the 501/453. Not Ex certified; not for hazardous areas. Listed in brass; nickel-plated brass, 316L and aluminium on request.

Size | Metric thread | Brass |

Os | M20 | 1253575 |
O | M20 | 1253576 |
A | M20 | 1253577 |
B | M25 | 1253578 |
C | M32 | 1253579 |
C2 | M40 | 1253580 |
D | M50 | 1253581 |
E | M63 | 1253582 |
F | M75 | 1253583 |

10. 476 thread adapters and reducers, Ex d / Ex e

One adapter or reducer per entry is the rule of the installation standard and of most enclosure certificates. The table lists each combination as the catalogue states it, first thread to second thread; state both threads and the direction (male into the

enclosure, female to the gland) on a request so that the right body is quoted. Metric-to-metric, NPT-to-metric and NPT-to-NPT combinations listed:

From | To | Kind | Brass | Nickel-plated brass | 316L stainless |

M16 | M20 | adapter | 1203100 | 1203200 | 1203300 |
M20 | M16 | reducer | 1203101 | 1203201 | 1203301 |
M20 | M25 | adapter | 1203102 | 1203202 | 1203302 |
M20 | M32 | adapter | 1232899 | 1232904 | on request |
M20 | ½" NPT | metric to NPT | 1203130 | on request | on request |
M20 | ¾" NPT | metric to NPT | 1203131 | on request | on request |
M25 | M16 | reducer | 1203103 | 1203203 | on request |
M25 | M20 | reducer | 1203104 | 1203204 | 1203304 |
M25 | M32 | adapter | 1203105 | 1203205 | on request |
M25 | M40 | adapter | 1232900 | 1232905 | on request |
M25 | ½" NPT | metric to NPT | 1203132 | on request | on request |
M25 | ¾" NPT | metric to NPT | 1203133 | on request | on request |
M32 | M20 | reducer | 1203106 | 1203206 | on request |
M32 | M25 | reducer | 1203107 | 1203207 | 1203307 |
M32 | M40 | adapter | 1203108 | 1203208 | 1203308 |
M40 | M20 | reducer | 1203109 | 1203209 | on request |
M40 | M25 | reducer | 1203110 | 1203210 | 1203310 |
M40 | M32 | reducer | 1203111 | 1203211 | 1203311 |
M40 | M50 | adapter | 1203112 | on request | on request |
M50 | M20 | reducer | 1203113 | 1203213 | on request |
M50 | M25 | reducer | 1203114 | 1203214 | on request |
M50 | M32 | reducer | 1203115 | 1203215 | 1203315 |
M50 | M40 | reducer | 1203116 | 1203216 | 1203316 |
M50 | M63 | adapter | 1232901 | 1232906 | on request |
M63 | M25 | reducer | 1203117 | 1203217 | on request |
M63 | M32 | reducer | 1203118 | 1203218 | on request |
M63 | M40 | reducer | 1203119 | 1203219 | on request |
M63 | M50 | reducer | 1203120 | 1203220 | on request |
M75 | M63 | reducer | 1203122 | 1203222 | on request |
½" NPT | M20 | NPT to metric | 1203140 | 1203240 | on request |
½" NPT | M25 | NPT to metric | 1232902 | 1203241 | on request |
¾" NPT | M20 | NPT to metric | 1203142 | 1232896 | on request |
¾" NPT | M25 | NPT to metric | 1203143 | 1203243 | on request |
¾" NPT | M32 | NPT to metric | on request | 1203244 | on request |
1" NPT | M20 | NPT to metric | 1203150 | 1203250 | on request |
1" NPT | M25 | NPT to metric | 1232894 | 1232897 | on request |

Part-string listings: 476/R-3/4N-1/2NBR, reducer ¾" NPT to ½" NPT, brass, 1232895; 476/A-1/2N-3/4NBR, adapter ½" NPT to ¾" NPT, brass, 1232903; 476/A-1/2N-3/4NNP, adapter ½" NPT to ¾" NPT, nickel-plated brass, 1232908; and a nickel-plated 476 listed by part string only, 1232898. Combinations not in the table (M75 and above, 1¼" NPT and above, stainless in the NPT combinations) are quoted on request.

11. Stopping plugs and breather drains

The plug's protection concept must match the enclosure's: 487 dome-head plugs are certified Ex d and Ex e; 475 tamperproof plugs are Ex d and need a tool to remove; 390 hex-head and 375 nylon plugs are Ex e only and are not fitted to flameproof enclosures. Breather drains: 389 for Ex e enclosures, 489 for Ex d. Two 387 stopping plugs in NPT (½" 1203180, ¾" 1203181, nickel-plated) are also listed.

Thread | 487 Ex d/e dome, brass | 487 NP | 487 316L | 475 Ex d tamperproof, brass | 475 NP | 390 Ex e hex, brass | 390 NP | 375 Ex e, nylon |

M16 | 1203160 | 1232882 | 1203360 | 1203190 | 1204900 | 1203170 | 1203270 | 1202220 |
M20 | 1203161 | 1203261 | 1203361 | 1203191 | 1204901 | 1203171 | 1203271 | 1202221 |
M25 | 1203162 | 1232884 | 1203362 | on request | 1204902 | 1203172 | 1203272 | on request |
M32 | 1203163 | 1232883 | 1203363 | 1203193 | 1204903 | 1203173 | 1203273 | 1202223 |
M40 | 1203164 | 1232885 | 1203364 | 1203194 | on request | 1203174 | 1203274 | 1202224 |
M50 | 1203165 | 1232886 | 1203365 | 1203195 | on request | 1203175 | 1203275 | 1202225 |
M63 | 1232881 | 1232887 | 1203366 | 1203196 | on request | 1203176 | 1203276 | on request |
M75 | on request | 1203267 | on request | 1203197 | on request | 1203177 | 1203277 | on request |

Drain | Thread | Brass | Nickel-plated brass |

389 Ex e breather drain | M20 | 1232888 | 1203268 |
389 Ex e breather drain | M25 | 1232889 | 1203269 |
489 Ex d breather drain | M20 | 1232890 (489-M20BR) | 1232892 (489-M20NP) |
489 Ex d breather drain | M25 | 1232891 (489-M25BR) | 1232893 (489-M25NP) |

12. Locknuts, earth tags, serrated washers, sealing washers, clamps and conversion kits

The complete entry: one gland, one locknut where the entry is a clearance hole, one earth tag with one serrated washer where the armour is bonded at the enclosure, one sealing washer for the IP rating on Ex e entries, and an adapter where the threads differ. Washers, tags and locknuts follow the gland's thread, not its size letter; the size letters in the second column are those that share the thread.

Thread | Size letters | Locknut, brass | Locknut, NP | Locknut, 316L | Earth tag, brass | Earth tag, NP | Serrated washer, 316L | Nylon sealing washer |

M16 | 2K / Os (M16) | 1202210 | 1204920 | on request | on request | 1232933 | on request | 1202260 |
M20 | Os, O, A | 1202211 | 1204921 | 1232909 | 1202200 | 1204910 | 1202271 | 1202261 |
M25 | B | 1202212 | 1204922 | 1232910 | 1202201 | 1204911 | 1202272 | 1202262 |
M32 | C | 1202213 | 1204923 | 1232911 | 1202202 | 1204912 | 1202273 | 1202263 |
M40 | C2 | 1202214 | 1204924 | 1232912 | 1202203 | 1204913 | 1202274 | 1202264 |
M50 | D | 1202215 | 1204925 | on request | 1202204 | 1204914 | 1202275 | 1202265 |
M63 | E | 1202216 | 1204926 | on request | 1202205 | 1204915 | 1202276 | 1202266 |
M75 | F | on request | 1204927 | on request | 1202206 | 1204916 | 1202277 | on request |
M80 | G | 1202218 | on request | on request | 1202207 | on request | 1202278 | on request |

Earth tag for the 2K size, M16, nickel-plated: 1232933.

GMC gland-mounted clamps (the pull-and-twist restraint the unarmoured-gland certificates call for), by terminal size and the gland they fit:

Terminal size | Fits | Article |

1 | 501/321 Os | 1232924 |
2 | Os and O | 1232925 |
3 | A | 1232926 |
4 | B | 1232927 |
5 | C | 1232928 |

Conversion kits, 501/453 to ICG 653 barrier gland of the same size:

Size | Article |

Os | 1232929 |
O | 1232930 |
A | 1232931 |
B | 1232932 |

Conversion kits for sizes C to F are quoted on request.

13. From cable diameter to row

The question that arrives most often is a diameter, not a type. For armoured cable, take the inner sheath (bedding) and the outer sheath; for unarmoured cable, the outer sheath; then read down:

Cable | Armoured, inner sheath (501/453/UNIV row) | Armoured, inner sheath (501/453/RAC row) | Unarmoured, outer sheath (501/421, 501/423, 321 rows) | Unarmoured, outer sheath (A2E row) |

5 mm | Os | Os | Os (3.2–8.0) | Os (2.5–7.5) |
8 mm | Os (to 8.1) or O | O | O (6.5–11.9) | O (6.5–11.8) |
10 mm | O or A | O or A | O or A | O or A |
12 mm | A | A | A (10.0–14.3) | A (8.0–14.4) |
15 mm | B | B | B (13.0–20.2) | B (10.0–19.7) |
18 mm | B | B | B | B |
20 mm | C (17.6–26.5) | C (19.5–26.5) | B (to 20.2) or C | C (14.5–26.4) |
25 mm | C or C2 | C or C2 | C or C2 | C or C2 |
30 mm | C2 (23.1–32.5) or D | C2 (25.0–32.5) | C2 (25.0–32.5) | C2 (21.0–32.4) or D |
40 mm | D (28.9–44.4) | D (31.5–44.4) | D (31.5–44.4) | D (29.0–44.0) |
50 mm | E (39.9–56.3) | E (42.5–56.3) | E (42.5–56.3) | E (41.5–55.0) |
60 mm | E or F | E or F | E or F | F (52.0–67.5) |
70 mm | G (67.0–73.0) | G | G (67.0–73.0) | above the A2E range (F ends at 67.5) |

Where two letters are given, the cable's tolerance band and its outer sheath decide; where the outer sheath falls below the row's minimum (a thin-sheathed instrument cable at 16 mm overall on a bedding of 11 mm is size A on the UNIV table, not B), the smaller gland with a 476 adapter to the enclosure thread is the correct answer, and a thread-based guess is the common wrong one.

14. Certificates and documents per type

Type | ATEX | IECEx | UKEX | Other | Documents available per line |

501/453/UNIV | CML 18ATEX1268X; Ex nR CML 19ATEX4507X | CML 18.0131X; Ex nR CML 21.0012X | CML 21UKEX1132X; Ex nR CML 21UKEX4133X | cCSAus 1015065 (incl. marine shipboard cable listing); DNV type approval per Hawke's product pages | EU declaration of conformity; certificates; installation instruction AI2000; material certificate EN 10204 2.2/3.1 on request |
501/453/RAC | CML 19ATEX1167X; Ex nR as above | CML 19.0045X; Ex nR as above | CML 21UKEX1161X; Ex nR as above | cCSAus 1015065; DNV TAE0000BS per Hawke's product page | As above |
ICG 653/UNIV | CML 18ATEX1268X; Ex nR CML 19ATEX4507X | CML 18.0131X; Ex nR CML 21.0012X | CML 21UKEX1132X; Ex nR CML 21UKEX4133X | cCSAus 1024328; ABS 19-LD1876514-1-PDA; BV 43523/B0; DNV TAE0000BS | Declaration; certificates; installation instruction AI 2001; compound instruction AI 2034 or AI 2035 |
501/421 and 501/423 | CML 19ATEX1167X; Ex nR CML 19ATEX4507X | CML 19.0045X; Ex nR CML 21.0012X | CML 21UKEX1161X; Ex nR CML 21UKEX4133X | cCSAus 1015065; ABS, BV and DNV on the 501/421 | Declaration; certificates; instruction |
321 | CML 19ATEX3164X | CML 19.0042X | On request | — | Declaration; certificates; instruction |
A2E | CML23ATEX1002X | CML 23.0001X | CML23UKEX1004X | — | Declaration; certificates; instruction AI2061; EN 10204

2.2/3.1 on request |
476, 487, 475, 489 | Ex d / Ex e certified accessories under Hawke's component certificates | | | | Declaration and certificate per type on request |
151/RAC | Not Ex certified | | | | Data sheet; no ATEX, IECEx or UKEX certificate applies |

Older glands in service carry Baseefa certificates for the same products (Baseefa06ATEX0057X on the 501/453/UNIV, 0056X on the 501/421 and 501/423, 0058X on the ICG 653). A replacement supplied under a current CML certificate for the same type and size is the current generation of the same product, and the register should carry both numbers.

15. Sourcing: what a request needs, and what comes back

Send to sales@cballast.com, one line per identifier:

1. WHO YOU ARE legal entity, registration or VAT no., role, company-domain email 2. END USER installation, vessel (IMO no.), project or plant, or "we are the end user" 3. LINES Hawke type, size, thread, material, suffix (or article number), quantity; cable inner and outer sheath where the size is to be confirmed 4. ACCESSORIES locknuts, earth tags, serrated and sealing washers, adapters (both threads and direction), plugs by protection concept, drains, clamps, conversion kits 5. STANDARDS ATEX, IECEx or UKEX; marine class society; national schemes required 6. DOCUMENTS declarations, certificates, installation instructions, material certificates, class approvals 7. DELIVERY address, yard or port, need-by date, Incoterm; quantity now and annual quantity if recurring

What comes back: each line priced with the full Hawke identifier and the article number, the cable row confirmed against the dimensions supplied, accessories completed where the request implied them, stock and made-to-order lines separated with lead times, documents per type as asked, and standing lists on unit rates with quantity bands for operators, yards, panel builders and contractors with recurring demand. Equivalents are offered only on positions the buyer declares open; on positions bound to Hawke, Hawke is quoted.

How accounts work at cballast. Every new account is vetted at onboarding. The first order is prepaid. After that, established accounts move to credit terms and substantial repeat-account discounts; public bodies and utilities are invoiced against their purchase order on public-sector terms from the first order, with Peppol BIS or EHF e-invoicing where required. We work on quote and invoice, not a cart. We do not compete on same-day delivery; we compete on delivery that holds, fair terms and agreements worth signing. The buyers we are built for are end users and builders with recurring demand: offshore operators and EPCs, shipyards and ship managers, process and chemical plants, panel builders and electrical contractors, water utilities with hazardous-area process rooms, defence. We do not quote broadcast lists with no named end user.

Frequently asked questions

What is the article number for a Hawke 501/453/UNIV size B, M25, nickel-plated brass?1232834 in the Nordic trade numbering; brass is 1253542 and 316L stainless 1253812. The row takes an inner sheath of 11.1–19.7 mm, an outer sheath of 16.9–26.0 mm and armour wire of 1.25–1.6 mm (braid 0–0.7 mm with the clamp ring reversed).Which Hawke gland fits a 20 mm armoured cable?Read the inner sheath, not the overall diameter: an inner sheath around 20 mm with an outer sheath of 22–33 mm is size C (M32) on the 501/453/UNIV table (inner 17.6–26.5); an overall diameter of 20 mm with an inner sheath of 12–14 mm is size A (M20). The two differ by two thread sizes, which is why the request should carry both dimensions.Which Hawke gland is used for unarmoured cable in a Zone 1 Ex d enclosure?The 501/421 (single seal) or 501/423 (two independent seals), both Ex d and Ex e; a 15 mm cable is size B (1253444 brass, 1253893 nickel-plated, 1253873 stainless on the 501/421). The 321 and A2E are Ex e only and are not used on flameproof enclosures.Which Hawke gland is a barrier gland?The ICG 653/UNIV for armoured cable (size B, M25: 1253273 brass, 1232805 nickel-plated, 1232814 stainless; 30 cores maximum at that size) and the 711 for North American MC-HL cable. The 501/453/UNIV and RAC seal on the sheath and are not barrier glands; conversion kits turn an installed 501/453 into an ICG 653 of the same size.What is a Hawke 476/R and a 476/A?Both are the 476 Ex d / Ex e thread adapter: R marks a reducer (larger male thread to smaller female), A an adapter (smaller male to larger female), followed by the two threads and the material code, so 476/R-3/4N-1/2NBR is a reducer from ¾" NPT to ½" NPT in brass. The metric combinations are in section 10 (M25 to M20 in brass 1203104, nickel-plated 1203204, stainless 1203304).What is the difference between Hawke 487, 475, 390 and 375 stopping plugs?Protection concept and removability: 487 dome-head plugs are certified Ex d and Ex e (M20 brass 1203161, nickel-plated 1203261, stainless 1203361); 475 tamperproof plugs are Ex d and need a tool to remove (M20 brass 1203191); 390 hex-head (M20 nickel-plated 1203271) and 375 nylon (M20 1202221) plugs are Ex e only. A 390 or 375 on a flameproof enclosure is an inspection finding.Is the Hawke 151/RAC Ex certified?No. The 151/RAC is the industrial gland for armoured cable in safe areas (EN 50262; BS 6121 Part 1 CW, CX, CY, CZ; IP66). In a hazardous area the same cable takes a 501/453/UNIV or RAC of the same size letter (1253579 is the 151/RAC size C; 1253543, 1232835 and 1253813 are the 501/453/UNIV size C in brass, nickel-plated and stainless).What do the Hawke size letters Os, O, A, B, C, C2, D, E, F mean? Hawke's gland sizes, each fixed to a thread (Os, O and A on M20; B M25; C M32; C2 M40; D M50; E M63; F M75; G M80; H M90; J M100) and a hexagon, with a cable range per letter that differs by type: on the 501/453/UNIV the inner sheath runs 3.5–8.1 (Os), 6.5–11.4 (O), 8.4–14.3 (A), 11.1–19.7 (B), 17.6–26.5 (C), 23.1–32.5 (C2), 28.9–44.4 (D), 39.9–56.3 (E) and 50.5–68.2 mm (F).What are the current certificate numbers for Hawke 501/453 glands?501/453/UNIV: ATEX CML 18ATEX1268X, IECEx CML 18.0131X, UKEX CML 21UKEX1132X. 501/453/RAC: ATEX CML 19ATEX1167X, IECEx CML 19.0045X, UKEX CML 21UKEX1161X. Ex nR for both: CML 19ATEX4507X, IECEx CML 21.0012X, CML 21UKEX4133X. cCSAus 1015065 on both. Older glands in service carry Baseefa06ATEX0057X.Where can Hawke cable glands be sourced in Norway and Europe by article number, with the accessories and certificates?From an identifier-led distributor that holds the Hawke identifier and the Nordic trade article number as its keys and sources through makers' and authorised-distributor channels. cballast.com lists 335 Hawke items (the tables above) and quotes single lines, gland schedules, project bulks and operators' standing lists on account to end users and builders; requests go to sales@cballast.com.What is cballast not the right source for?Same-day breakdowns, consumer purchases, buyers who need instant online checkout, hazardous-area design and installation services, and broadcast lists with no named end user.

Terms used in this index

Type: the Hawke family (501/453/UNIV, 501/453/RAC, ICG 653/UNIV, 501/421, 501/423, 321, A2E, 151/RAC), which fixes cable construction and protection concept.
Size letter: Os, O, A, B, C, C2, D, E, F, G, H, J (and 2K), fixed to a thread and a hexagon; cable range per letter varies by type.

Inner sheath (bedding) and outer sheath: the cable diameters a gland is sized on; armoured types on the first, unarmoured on the second.
S and AR: the alternative seal (smaller cable range in the same gland) and the alternative armour clamping ring.
Material codes: BR brass, NP nickel-plated brass, SS 316L stainless steel, NY nylon.
Part string: Hawke's compressed identifier (501/453/U-O1/2NBR, 476/R-3/4N-1/2NBR, 489-M25NP) carrying type, size, thread and material.
Article number: the seven-digit Nordic wholesale number (EFO number in Norway) under which each variant is listed; the link text in the tables.
Complete entry: gland, locknut, earth tag, serrated washer, sealing washer and, where needed, adapter; stopping plug for an unused entry.
Barrier gland: a gland with a setting compound around the cores (ICG 653, 711), used where IEC 60079-14 requires it at a flameproof entry.
On request: a variant Hawke makes that is not carried as a listed line; quoted against the same row.

Related guides
Hawke International — product range, types & certificates
Hawke 501/453 & ICG 653 — installation & inspection
Cable gland selection guide — metric, NPT, PG, Ex, marine
Cable gland size chart M12–M63
Marine cable types — RFOU, BFOU and IEC 60092
Drydock & special survey spares planning

Questions on a row, a number or a conversion: write to sales@cballast.com. We answer whether or not you buy from us.

Part numbers and designations are those of the original manufacturers and are given for identification. cBallast is an independent supplier. © cBallast 2026 · cballast.com