

Stopping plugs - type CQ

Technical specification

The comprehensive Raxton range of stopping plugs are designed to close off any unused entries in electrical equipment, whilst maintaining existing certification and ingress protection.

Type CQ dome head stopping plugs

Type CQ dome head stopping plugs can be offered as an alternative to the hex head stopping plug and are inserted from the outside of the equipment and tightened by means of an Allen or hex key.

Type CQ dome head stopping plugs are available as metallic Ex d/Ex e or nylon Ex e versions. The nylon version is supplied with an undercut and EPDM O-ring as standard.

All Raxton stopping plugs are marked with the appropriate approval numbers and size.



Type CQ



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Type CQ plugs - certifications and compliances



Code of protection categories

ATEX: I/II 2 GD, Ex db I/II C Mb/Gb, Ex eb I/II C Mb/Gb (Nylon not Gr I)
Ex tb IIIC Db IP66

IECEX / INMETRO /

EAC: Ex d I/II C Mb/Gb, Ex e I/II C Mb/Gb, Ex tb IIIC Db IP66

CSA (not for Nylon): CI I Zn 1 AEx db IIC Gb, Ex db IIC Gb (see certificate for threadforms & material details)

CCC: Ex d IIC Gb, Ex e IIC Gb, Ex tD A21 IP6X

Compliance standards

ATEX / EAC: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

INMETRO: ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-1, ABNT NBR IEC 60079-7, ABNT NBR IEC 60079-31

IECEX: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

CSA (not for Nylon): CSA-C22.2 No. 60079-0, CSA-C22.2 No. 60079-1

ANSI/UL: ANSI/UL 60079-0, ANSI/UL 60079-1

GB: GB 3836.1-2010, GB 3836.2-2010, GB 3836.3-2010, GB 12476.1-2013, GB 12476.5-2013

Certificate details

ATEX: ITS16ATEX101335X

IECEX: IECEX ITS16.0012X

CSA: 200455-1003277 (brass and stainless only)

EAC: TC RUC-G B.MH062.B.06226

INMETRO: NCC 18.0133X

CCC: 2020322313001352

* Ex db I Mb, Ex eb I Mb (except for aluminum & nylon)

Temperature

The item is classified as a component and therefore metallic products are not given an operating temperature range.

Ingress protection (IP):

IP66/68 (according to manufacturer's instructions)

Dimensions ISO – CQ & CQM series

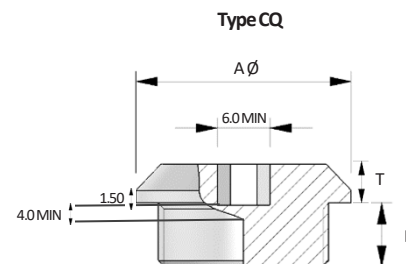
| Thread | F A/F + .3 - .0 (mm) | A Ø (mm) | Head depth T (mm) | Thread length L (mm) |
|--------|----------------------|----------|-------------------|----------------------|
| M16 | 6.0 | 20.0 | 5.0 | 15.0 |
| M20 | 10.0 | 25.0 | 5.0 | 15.0 |
| M25 | 10.0 | 30.0 | 5.0 | 15.0 |
| M32 | 10.0 | 38.0 | 5.0 | 15.0 |
| M40 | 19.0 | 46.0 | 5.0 | 15.0 |
| M50 | 19.0 | 57.0 | 5.0 | 15.0 |
| M63 | 19.0 | 70.0 | 5.0 | 15.0 |
| M75 | 19.0 | 82.0 | 5.0 | 15.0 |

Dimensions NPT – CQ series

| Thread | F A/F + .3 - .0 (mm) | A Ø (mm) | Head depth T (mm) | Thread length L (mm) |
|-----------|----------------------|----------|-------------------|----------------------|
| 1/2 NPT | 10.0 | 27.0 | 5.0 | 20.2 |
| 3/4 NPT | 10.0 | 32.0 | 5.0 | 20.5 |
| 1 NPT | 10.0 | 40.0 | 5.0 | 25.3 |
| 1 1/4 NPT | 19.0 | 50.0 | 5.0 | 26.0 |
| 1 1/2 NPT | 19.0 | 54.0 | 5.0 | 26.5 |
| 2 NPT | 19.0 | 67.0 | 5.0 | 27.2 |
| 2 1/2 NPT | 19.0 | 83.0 | 5.0 | 40.5 |

Dimensions NPT – CQM series

| Thread | F A/F + .3 - .0 (mm) | A Ø (mm) | Head depth T (mm) | Thread length L (mm) |
|-----------|----------------------|----------|-------------------|----------------------|
| 1/2 NPT | 10.0 | 27.0 | 5.0 | 20.0 |
| 3/4 NPT | 10.0 | 33.0 | 5.0 | 20.2 |
| 1 NPT | 10.0 | 40.0 | 5.0 | 25.1 |
| 1 1/4 NPT | 19.0 | 50.0 | 5.0 | 25.7 |
| 1 1/2 NPT | 19.0 | 54.0 | 5.0 | 26.1 |
| 2 NPT | 19.0 | 67.0 | 5.0 | 26.9 |
| 2 1/2 NPT | 19.0 | 83.0 | 5.0 | 40.0 |



Other sizes / threads are available upon request.

Stopping plugs – Product coding

| DIGIT 1+2 | | CODE |
|-----------|-----------------------------------|------|
| Product | Description | |
| PLUGS | RX (External Accessible) | CB |
| | TAMPERPROOF (Internal Accessible) | CF |
| | HEX HEAD | CK |
| | HEX HEAD (Hollow) | CY |
| | DOME HEAD | CQ |

Glass filled Nylon available in CQ type only

| DIGIT 3 | CODE |
|--------------------|------|
| MATERIAL | |
| BRASS | A |
| ALUMINUM | B |
| STEEL | C |
| STAINLESS STEEL | E |
| GLASS FILLED NYLON | M |

| DIGIT 8 (APPROVAL) | CODE |
|--------------------|------|
| Exd/Exe | Y |
| Nylon (Exe only) | E |
| None | F |

| DIGIT 9 (Undercut) | CODE |
|--------------------|------------|
| Yes | U |
| None | X or Blank |

| DIGIT 10 (PLATING) | CODE |
|--------------------|-------|
| None | Blank |
| Nickel | N |
| Zinc | Z |

| DIGIT 4+5 (Male thread) | | | | | | DIGIT 6+7 (Female thread) | | | | | | | |
|-------------------------|------|---------|------|---------|------|---------------------------|------|---------|------|--------|------|------|------|
| THREAD REFERENCE TABLE | | | | | | | | | | | | | |
| ISOMETRIC | | NPT | | BSPT | | BSPP | | NPSM | | PG | | ET | |
| SIZE | CODE | SIZE | CODE | SIZE | CODE | SIZE | CODE | SIZE | CODE | SIZE | CODE | SIZE | CODE |
| M12 | 04 | ½" | 42 | ½" | 52 | ½" | 62 | ½" | 72 | PG7 | 20 | ¾" | 31 |
| M16 | 11 | ¾" | 43 | ¾" | 53 | ¾" | 63 | ¾" | 73 | PG9 | 21 | ¾" | 32 |
| M20 | 12 | 1" | 44 | 1" | 54 | 1" | 64 | 1" | 74 | PG11 | 22 | 1" | 33 |
| M22 | 07 | 1¼" | 45 | 1¼" | 55 | 1¼" | 65 | 1¼" | 75 | PG13,5 | 23 | 1¼" | 34 |
| M24 | 08 | 1½" | 46 | 1½" | 56 | 1½" | 66 | 1½" | 76 | PG16 | 24 | 1½" | 35 |
| M25 | 13 | 2" | 47 | 2" | 57 | 2" | 67 | 2" | 77 | PG21 | 25 | 2" | 36 |
| M28 | 09 | 2½" | 48 | 2½" | 58 | 2½" | 68 | 2½" | 78 | PG29 | 26 | 2½" | 37 |
| M32 | 14 | 3" | 49 | 3" | 59 | 3" | 69 | 3" | 79 | PG36 | 27 | 3" | 38 |
| M38 | 05 | 3½" | 86 | 4" | 79 | 4" | 89 | 3½" | 90 | PG42 | 28 | | |
| M40 | 15 | 4" | 87 | SPECIAL | 50 | SPECIAL | 60 | 4" | 70 | PG48 | 29 | | |
| M50 | 16 | SPECIAL | 40 | | | | | SPECIAL | 70 | | | | |
| M63 | 17 | | | | | | | | | | | | |
| M75 | 18 | | | | | | | | | | | | |
| M80 | 80 | | | | | | | | | | | | |
| M90 | 81 | | | | | | | | | | | | |
| M100 | 82 | | | | | | | | | | | | |
| SPECIAL | 10 | | | | | | | | | | | | |

NOTE: Male thread is always quoted First (Digit 4+5) followed by the Female thread (Digit 6+7)
 Other threads are available, please consult the sales department
 Digit 8 Approval
 Digit 9: U = Undercut Otherwise Blank or use X if Plating is required
 Digit 10 (Plating) is Blank if no plating is required

| EXAMPLES | | | | | | | |
|----------|----------|-------------|---------------|----------|------------|---------|-------------|
| Product | Material | Male thread | Female thread | Approval | Undercut | Plating | |
| Plug | Brass | ½" NPT | N/A | Exd/Exe | None | Nickel | Part Number |
| CQ | A | 42 | 00 | Y | X or Blank | N | CQA4200YXN |
| Plug | GF Nylon | M20 | N/A | Exe | Yes | None | Part Number |
| CQ | M | 12 | 00 | E | U | Blank | CQM1200EU |