



# Stopping plugs - type CK and type CY

## 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 CK hex head stopping plugs

Type CK hex head stopping plugs are inserted from the outside of the equipment and tightened by means of a spanner.

### Type CY hollow hex head stopping plugs

Type CY hollow hex head stopping plugs are a hollow version of the type CK hex head plug. These are lighter and have Ex d/ Ex e certification. The type CY plug is not suitable for mining applications.

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



Type CK



Type CY

## 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 (Gr I not for type CY)  
**IECEx/ INMETRO:** Ex tb IIIC Db IP66

**EAC:** Ex d I/II C Mb/Gb, Ex e I/II C Mb/Gb, Ex tb IIIC Db IP66 (Group I not for Type CY)

**CSA:** CII Zn 1 AEx db IIC Gb, Ex db IIC Gb (see certificate for threadforms & material details)

**NEPSI:** Ex d IIC, Ex e IIC, Ex tD

| Thread | Overall length A A/F (mm) | Thread length L (mm) | Head depth T (mm) |
|--------|---------------------------|----------------------|-------------------|
| M12    | 14.0                      | 15.0                 | 3.5               |
| M16    | 19.0                      | 15.0                 | 4.0               |
| M20    | 24.0                      | 15.0                 | 4.0               |
| M25    | 27.9                      | 15.0                 | 4.0               |
| M32    | 37.6                      | 15.0                 | 4.0               |
| M40    | 47.2                      | 15.0                 | 5.0               |
| M50    | 55.9                      | 15.0                 | 6.0               |
| M63    | 70.0                      | 15.0                 | 7.0               |
| M75    | 80.0                      | 15.0                 | 8.0               |
| M80    | 90.0                      | 20.0                 | 9.0               |
| M90    | 95.0                      | 20.0                 | 10.0              |
| M100   | 105.0                     | 20.0                 | 11.0              |

Other sizes /threads are available upon request.

### Compliance standards

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

**CSA:** CSA-C22.2 No. 60079-0, CSA-C22.2 No. 60079-1  
 ANSI/UL 60079-0, ANSI/UL 60079-1 (not NPT threads for CY)

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

**NEPSI:** GB 3836.1, GB 3836.2, GB 3836.3, GB 12476.1, GB 12476.5

### Certificate details

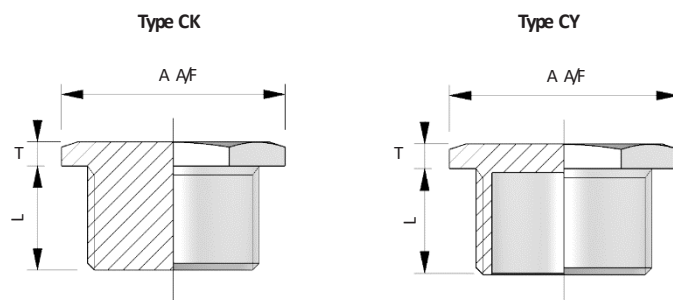
**ATEX:** ITS16ATEX101335X  
**IECEx:** IECEx ITS16.0012X  
**CSA:** 200455-1003277  
**EAC:** TC RUC-G B.MK062.B.06226  
**INMETRO:** NCC 18.0133X  
**NEPSI:** GYJ18.1470X

### Temperature

-60°C to +200°C ; depending on O-ring or sealing washer used

### Ingress protection (IP)

IP66/68 (according to manufacturer's instructions).



# 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



Type CQ

### Type CQ plugs - certifications and compliances



#### Code of protection categories

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

**IECEx /  
INMETRO /**

**EAC:** Ex d I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex tb IIIC Db IP66

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

**NEPSI:** Ex d II C Gb, Ex e II C Gb, Ex tD

#### 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

**NEPSI:** GB 3836.1, GB 3836.2, GB 3836.3, GB 12476.1, GB 12476.5

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

#### Certificate details

**ATEX:** ITS16ATEX101335X

**IECEx:** IECEx ITS16.0012X

**CSA** 200455-1003277 (brass and stainless only)

**NEPSI:** GYJ18.1470X

**EAC:** TC RUC-G B.MIO62.B.06226

**INMETRO:** NCC 18.0133X

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

#### Temperature

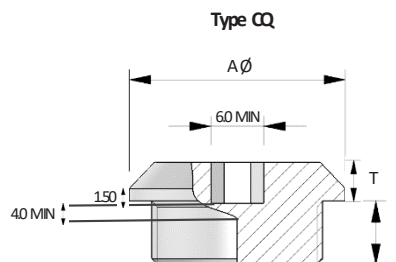
The item is classified as a component and therefore metallic products are not given an operating temperature range.

#### Ingress protection (IP):

IP66/68 (according to manufacturer's instructions)

| Thread | F A/F + .3 - .0 (mm) | A Ø (mm) | Head depth T (mm) | Thread length L (mm) |
|--------|----------------------|----------|-------------------|----------------------|
| M16    | 60                   | 20.0     | 5.0               | 15.0                 |
| M20    | 100                  | 25.0     | 5.0               | 15.0                 |
| M25    | 100                  | 30.0     | 5.0               | 15.0                 |
| M32    | 100                  | 38.0     | 5.0               | 15.0                 |
| M40    | 190                  | 46.0     | 5.0               | 15.0                 |
| M50    | 190                  | 57.0     | 5.0               | 15.0                 |
| M63    | 190                  | 70.0     | 5.0               | 15.0                 |
| M75    | 190                  | 82.0     | 5.0               | 15.0                 |

Other sizes /threads are available upon request.



Type CQ

A Ø

60 MIN

T

L

40 MIN

150

# 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   |

| 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     |

Glass filled Nylon available in CQ type only

| 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   | ⅝"   | 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   |
| M25                     | 13   | 2"      | 47   | 2"      | 57   | 2"                        | 67   | 2"      | 77   | PG21 | 25   | 2"   | 36   |
| M32                     | 14   | 3"      | 49   | 3"      | 59   | 3"                        | 69   | 3"      | 79   | PG36 | 27   | 3"   | 38   |
| 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   |



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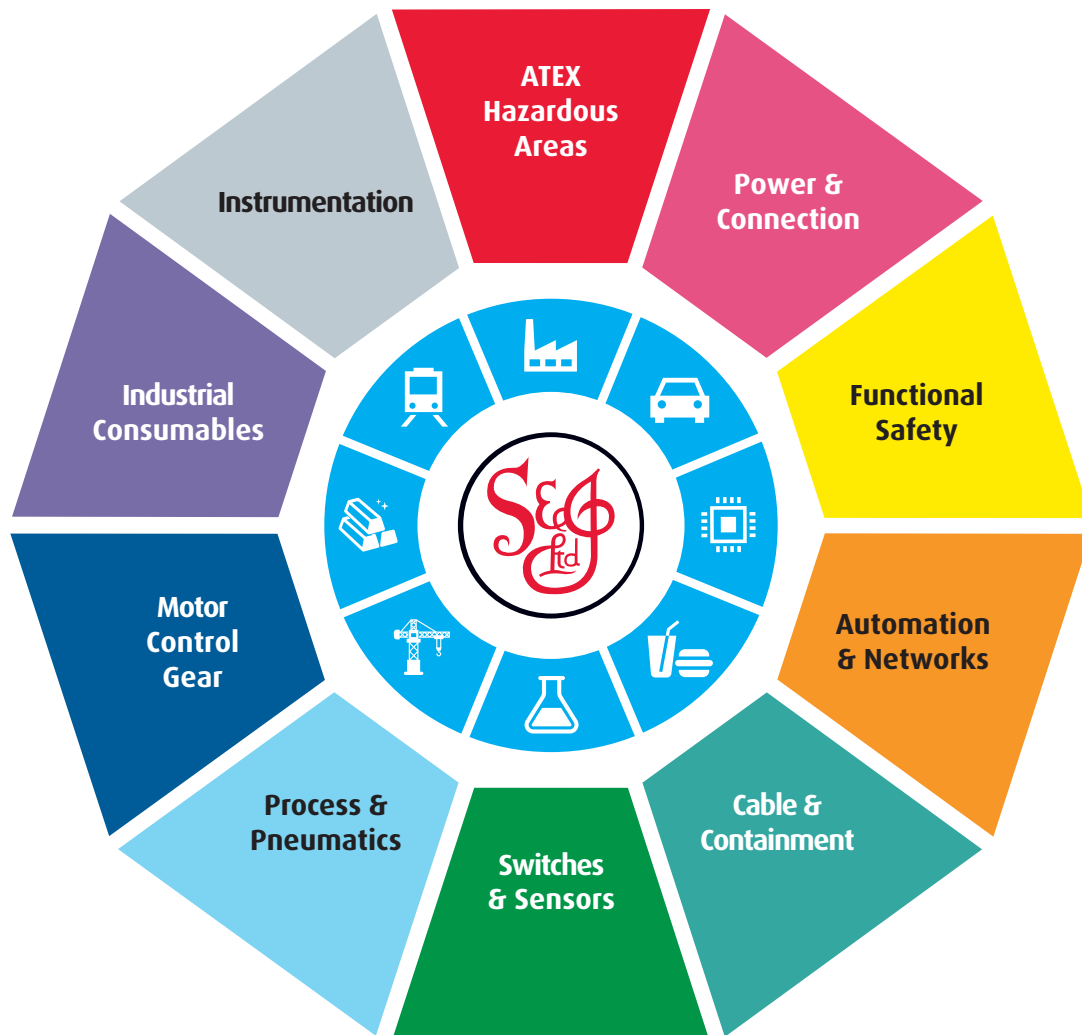
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