

# Stopping plugs - type CB and type CF

## 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 CB RX stopping plugs

Type CB RX stopping plugs are inserted with the Allen/hex key aperture pointing away from the equipment and tightened from the outside.

### Type CF tamper-proof stopping plugs

Type CF tamper-proof stopping plugs are inserted from the outside with the Allen/hex key aperture pointing towards the equipment and then tightened from the inside, leaving a flush finish to prevent unauthorised removal.

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



Type CB



Type CF

## Certifications and compliances



### Code of protection categories

**ATEX:** I/II 2 GD, Ex db I/IIc Mb/Gb, Ex eb I/IIc Mb/Gb, 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

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

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

### 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

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

**NEPSI:** IEC 60079-7, ABNT NBR IEC 60079-31  
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.MO62.B.06226

**INMETRO:** NCC 18.0133X

**NEPSI:** GYJ18.1470X

### Temperature

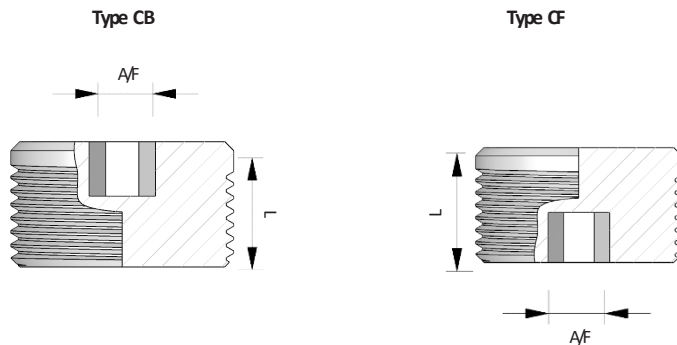
-60°C to +200°C

### Ingress protection (IP)

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

Thread	Allen/hex key aperture A/F (mm)	Thread length L (mm)
M16	60	170
M20	100	170
M25	100	170
M32	100	170
M40	190	170
M50	190	170
M63	190	170
M75	190	170

Other sizes /threads are available upon request.



# 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 thread forms & 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

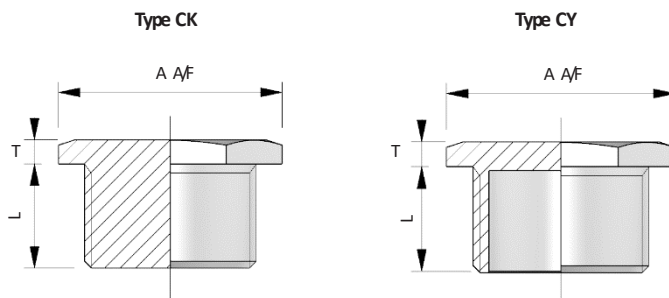
- ATEX:** ITS16ATEX101335X
- IECEX:** IECEX ITS16.0012X
- CSA:** 200455-1003277
- EAC:** TC RUC-G B.MK062.B.06226
- INMETRO:** NCC 18.0133X
- NEPSI:** GYJ18.1470X

### 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/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):** 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:** 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.MO62.B.06226
- INMETRO:** NCC 18.0133X

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

#### Temperature

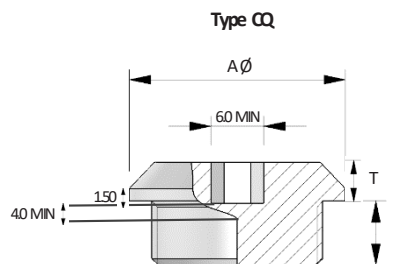
The item is classified as a component and therefore metallic products are not given an operating temperature range.

#### 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	200	5.0	15.0
M20	100	250	5.0	15.0
M25	100	300	5.0	15.0
M32	100	380	5.0	15.0
M40	190	460	5.0	15.0
M50	190	570	5.0	15.0
M63	190	700	5.0	15.0
M75	190	820	5.0	15.0

Other sizes /threads are available upon request.



Type CQ

# 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

Glass filled Nylon available in CQ type only

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
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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