





## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

Re-issued 9 February 2004

To permit:

- the incorporation of variation 1 dated 2 April 2003 and variation 2 dated 26 August 2003
- the amendment of clause 15.1 of the special conditions for safe use and the associated changes of the product descriptions

### 13 DESCRIPTION OF COMPONENT

#### A2F/F Range of Cable Glands

The A2F/F range of displacement seal cable glands are metallic and are intended to terminate circular braided or unarmoured cables into flameproof or increased safety enclosures without compromising the explosion protection provided by the enclosures, in accordance with relevant codes of practice. The glands consist of a spigot front entry component containing two counter-bored mounting holes of diameter proportional to the gland size and a compression nut. The front entry component, fitted with an Evoprene Super G621 elastomeric sealing ring and a Nylon 6 stepped skid washer, is intended to mount onto its associated enclosure via two securing fasteners. The compression nut threads into the front entry component thereby effecting flameproof and environmental sealing onto the cable outer sheath.

The gland and seal sizes are determined by the entry thread and cable range take sizes:

Gland Title & Size	Spigot Entry Diameter (mm)	Equipment Entry Hole Diameter		Cable Outer Sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)
CMP 20s A2F/F	19.05	19.1	19.35	6.1	11.7
CMP 20 A2F/F	19.05	19.1	19.35	6.5	14.0
CMP 25 A2F/F	25.4	25.45	25.7	11.1	20.0
CMP 32 A2F/F	31.75	31.8	32.05	17.0	26.3
CMP 40 A2F/F	38.1	38.15	38.4	23.5	32.2
CMP 50s A2F/F	50.8	50.85	51.1	31.0	38.2
CMP 50 A2F/F	50.8	50.85	51.1	35.6	44.1
CMP 63s A2F/F	63.5	63.55	63.8	41.5	50.0
CMP 63 A2F/F	63.5	63.55	63.8	47.2	56.0
CMP 75s A2F/F	76.2	76.25	76.5	54.0	62.0
CMP 75 A2F/F	76.2	76.25	76.5	61.1	68.0

#### Design options

Alternative metallic materials of manufacture: Brass  
Mild steel  
Stainless steel

Alternative stepped skid washer material: Same material as the gland

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

### Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

#### 2A2F/F Range of Cable Glands

The 2A2F/F range of displacement seal cable glands are metallic and are intended to terminate circular braided or unarmoured cables into flameproof or increased safety enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice. The glands consist of a spigot front entry component that contains two counter-bored mounting holes of diameter proportional to the gland size, a main body component and an outer compression nut. The front entry component, fitted with an Evoprene Super G621 elastomeric sealing ring and a Nylon 6 skid washer, is intended to mount onto its associated enclosure via two securing fasteners. The main body component, fitted with an Evoprene Super G621 elastomeric sealing ring, threads into the front entry component thereby effecting flameproof and environmental sealing onto the cable inner sheath. The outer compression nut, fitted with Nylon 6 stepped skid washer, threads into the main body thereby effecting environmental sealing onto the cable outer sheath.

The gland and seal sizes are determined by the entry thread and cable range take sizes:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)
CMP20s 2A2F/F	19.05	19.1	19.35	6.1	11.7	6.1	11.7
CMP20s/20 A2F/F	19.05	19.1	19.35	6.1	11.7	6.5	14.0
CMP20 2A2F/F	19.05	19.1	19.35	6.5	14.0	6.5	14.0
CMP20/25 2A2F/F	19.05	19.1	19.35	6.5	14.0	11.1	20.0
CMP25 2A2F/F	25.4	25.45	25.7	11.1	20.0	11.1	20.0
CMP25/32 2A2F/F	25.4	25.45	25.7	11.1	20.0	17.0	26.3
CMP32 2A2F/F	31.75	31.8	32.05	17.0	26.3	17.0	26.3
CMP32/40 2A2F/F	31.75	31.8	32.05	17.0	26.3	23.5	32.2
CMP40 2A2F/F	38.1	38.15	38.4	23.5	32.2	23.5	32.2
CMP40/50s 2A2F/F	38.1	38.15	38.4	23.5	32.2	31.0	38.2
CMP50s 2A2F/F	50.8	50.85	51.1	31.0	38.2	31.0	38.2
CMP50s/50 2A2F/F	50.8	50.85	51.1	31.0	38.2	35.6	44.1
CMP50 2A2F/F	50.8	50.85	51.1	35.6	44.1	35.6	44.1
CMP50/63s 2A2F/F	50.8	50.85	51.1	35.6	44.1	41.5	50.0
CMP63s 2A2F/F	63.5	63.55	63.8	41.5	50.0	41.5	50.0
CMP63s/63 2A2F/F	63.5	63.55	63.8	41.5	50.0	47.2	56.0
CMP63 2A2F/F	63.5	63.55	63.8	47.2	56.0	47.2	56.0
CMP63/75s 2A2F/F	63.5	63.55	63.8	47.2	56.0	54.0	62.0
CMP75s 2A2F/F	76.2	76.25	76.5	54.0	62.0	54.0	62.0
CMP75s/75 2A2F/F	76.2	76.25	76.5	54.0	62.0	61.1	68.0
CMP75 2A2F/F	76.2	76.25	76.5	61.1	68.0	61.1	68.0

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

#### Design options

The front entry component may be fitted with an optional internal and external threaded bushing.

Alternative metallic materials of manufacture: Brass  
Mild steel  
Stainless steel

Alternative skid washer material: Same material as the gland

Alternative stepped skid washer material: Same material as the gland

#### E1FW/F Range of Cable Glands

The E1FW/F ranges of cable glands are manufactured from brass and are intended to terminate circular steel wire armoured cable into flameproof or increased safety enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice.

The glands consist of a male non-threaded spigot front entry component, which is intended to be fastened into an entry point of its associated enclosure by two appropriately sized fasteners. Cable clamping is effected by a combination of the components being assembled together of which some locate onto the inner and outer sheaths of the cable and its armour.

The front spigot entry component contains an Evoprene Super G621 elastomeric sealing ring and Nylon 6 skid washer which effect flameproof sealing onto the cable inner sheath when engaged to a main body component by the use of mating threads. The other end of the main body component has a tapered spigot. Armour clamping is effected between this spigot and an internal taper within another body component by further engagement of mating threads. An outer seal nut, containing an Evoprene Super G621 elastomeric outer sealing ring and a Nylon 6 ferrule, threads onto this body component and effects environmental sealing onto the cable outer sheath.

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Armour (Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)		Min. (mm)	Max. (mm)
CMP 20S E1FW/F	19.05	19.1	19.35	5.9	11.7	0.9/1.25	6.3	16.0
CMP 20S/20 E1FW/F	19.05	19.1	19.35	5.9	11.7	0.9/1.25	12.1	21.0
CMP 20 E1FW/F	19.05	19.1	19.35	6.35	14.0	0.9/1.25	12.1	21.0
CMP 20/25 E1FW/F	19.05	19.1	19.35	6.35	14.0	0.9/1.25/1.6	14.2	27.5
CMP 25 E1FW/F	25.4	25.45	25.7	10.0	20.0	1.25/1.6	14.2	27.5
CMP 25/32 E1FW/F	25.4	25.45	25.7	10.0	20.0	1.25/1.6/2.0	22.1	34.0
CMP 32 E1FW/F	31.75	31.8	32.05	19.0	26.3	1.6/2.0	22.1	34.0
CMP 32/40 E1FW/F	31.75	31.8	32.05	19.0	26.3	1.6/2.0	26.4	40.5
CMP 40 E1FW/F	38.1	38.15	38.4	25.0	32.2	1.6/2.0	26.4	40.5
CMP 40/50S E1FW/F	38.1	38.15	38.4	25.0	32.2	1.6/2.0/2.5	32.0	46.8
CMP 50S E1FW/F	50.8	50.85	51.1	31.5	38.2	2.0/2.5	32.0	46.8

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

### Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 02ATEX3421U

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Armour (Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)		Min. (mm)	Max. (mm)
CMP 50S/50 E1FW/F	50.8	50.85	51.1	31.5	38.2	2.0/2.5	37.3	52.8
CMP 50 E1FW/F	50.8	50.85	51.1	36.5	44.1	2.0/2.5	37.3	52.8
CMP 50/63S E1FW/F	50.8	50.85	51.1	36.5	44.1	2.0/2.5	44.8	60.5
CMP 63S E1FW/F	63.5	63.55	63.8	42.5	50.1	2.5	44.8	60.5
CMP 63S/63 E1FW/F	63.5	63.55	63.8	42.5	50.1	2.5	46.8	65.5
CMP 63 E1FW/F	63.5	63.55	63.8	49.5	56.0	2.5	46.8	65.5
CMP 63/75S E1FW/F	63.5	63.55	63.8	49.5	56.0	2.5	57.1	71.8
CMP 75S E1FW/F	76.2	76.25	76.5	54.5	62.0	2.5	57.1	71.8
CMP 75S/75 E1FW/F	76.2	76.25	76.5	54.5	62.0	2.5	64.5	78.1
CMP 75 E1FW/F	76.2	76.25	76.5	60.5	68.0	2.5	64.5	78.1

**Design options**

Alternative metallic materials of manufacture: Mild steel  
Stainless steel

Alternative skid washer material: Same material as the gland

**M25 E1FW/2F Cable Gland**

The M25 gland size of the type E1FW/F with an alternative inner seal having a different range taking capability is known as the type E1FW/2F.

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Armour (Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)		Min. (mm)	Max. (mm)
CMP 25 E1FW/2F	25.4	25.45	25.7	13.0	20.0	1.25/1.6	14.2	27.5

Alternative metallic materials of manufacture: Mild steel  
Stainless steel

Alternative ferrule material: Same material as the gland

**E1FT/F Range of Cable Glands**

The E1FW/F gland with an alternatively dimensioned main body and the addition of a clamping ring will then suit the clamping of pliable wire armour. This design type is known as the type E1FT/F cable gland.

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 02ATEX3421U

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Armour (no./Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)		Min. (mm)	Max. (mm)
CMP 20S E1FT/F	19.05	19.1	19.35	5.9	11.7	7/0.45	6.3	16.0
CMP 20S/20 E1FT/F	19.05	19.1	19.35	5.9	11.7	7/0.45	12.1	21.0
CMP 20 E1FT/F	19.05	19.1	19.35	6.35	14.0	7/0.45	12.1	21.0
CMP 20/25 E1FT/F	19.05	19.1	19.35	6.35	14.0	7/0.45	14.2	27.5
CMP 25 E1FT/F	25.4	25.45	25.7	10.0	20.0	7/0.45	14.2	27.5
CMP 25/32 E1FT/F	25.4	25.45	25.7	10.0	20.0	7/0.45	22.1	34.0
CMP 32 E1FT/F	31.75	31.8	32.05	19.0	26.3	7/0.45	22.1	34.0
CMP 32/40 E1FT/F	31.75	31.8	32.05	19.0	26.3	7/0.45	26.4	40.5
CMP 40 E1FT/F	38.1	38.15	38.4	25.0	32.2	7/0.71	26.4	40.5
CMP 40/50S E1FT/F	38.1	38.15	38.4	25.0	32.2	7/0.71	32.0	46.8
CMP 50S E1FT/F	50.8	50.85	51.1	31.5	38.2	7/0.71	32.0	46.8
CMP 50S/50 E1FT/F	50.8	50.85	51.1	31.5	38.2	7/0.71 & 7/0.90	37.3	52.8
CMP 50 E1FT/F	50.8	50.85	51.1	36.5	44.1	7/0.71 & 7/0.90	37.3	52.8
CMP 50/63S E1FT/F	50.8	50.85	51.1	36.5	44.1	7/0.71 & 7/0.90	44.8	60.5
CMP 63S E1FT/F	63.5	63.55	63.8	42.5	50.1	7/0.71 & 7/0.90	44.8	60.5
CMP 63S/63 E1FT/F	63.5	63.55	63.8	42.5	50.1	7/0.71 & 7/0.90	46.8	65.5
CMP 63 E1FT/F	63.5	63.55	63.8	49.5	56.0	7/0.71 & 7/0.90	46.8	65.5
CMP 63/75S E1FT/F	63.5	63.55	63.8	49.5	56.0	7/0.90 & 7/1.25	57.1	71.8
CMP 75S E1FT/F	76.2	76.25	76.5	54.5	62.0	7/0.90 & 7/1.25	57.1	71.8
CMP 75S/75 E1FT/F	76.2	76.25	76.5	54.5	62.0	7/0.90 & 7/1.25	64.5	78.1
CMP 75 E1FT/F	76.2	76.25	76.5	60.5	68.0	7/0.90 & 7/1.25	64.5	78.1

**Design options**

- Alternative metallic materials of manufacture: Mild steel  
Stainless steel
- Alternative skid washer material: Same material as the gland

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 02ATEX3421U

**M25 E1FT/2F Cable Gland**

The M25 gland size of type E1FT/F with an alternative inner seal having a different range taking capability is known as the type E1FT/2F.

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø		Armour (no./Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)		Min. (mm)	Max. (mm)
CMP 25 E1FT/F	25.4	25.45	25.7	13.0	20.0	7/0.45	14.2	27.5

**Design options**

Alternative metallic materials of manufacture: Mild steel  
Stainless steel

Alternative ferrule material: Same material as the gland

**Protex WR/F Range of Cable Glands**

The Protex WR/F range of cable glands are manufactured from brass and are intended to terminate steel wire armoured cables into flameproof or increased safety enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice.

The glands consist of a male non-threaded spigot front entry component, which is intended to be fastened into an entry point of its associated enclosure by two appropriately sized fasteners. Combinations of other parts are assembled together, some of which locate onto the outer sheath of the cable and its armour to effect cable termination.

The entry component is filled with a setting compound (Cedesa EP2122) that effects a flameproof seal around the cable cores passing through it when engaged to a main body component by the use of mating threads

The main body threads onto the front entry component and effects clamping of the steel wire armour when they are tightened together. The main body component also has a tapered spigot and armour clamping is effected between this spigot and an internal taper within another body component by further engagement of mating threads. An outer seal nut, containing an Evoprene Super G621 elastomeric outer sealing ring and a Nylon 6 ferrule, threads onto this body component and effects environmental sealing onto the cable outer sheath

The Protex WR/F gland sizes 20/25 & 25 may be used to terminate rope armour cable.

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø	Armour (Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)			Min. (mm)	Max. (mm)
CMP 20S WR/F	19.05	19.1	19.35	11.7	0.9/1.25	6.3	16.0
CMP 20S/20 WR/F	19.05	19.1	19.35	11.7	0.9/1.25	12.1	21.0
CMP 20 WR/F	19.05	19.1	19.35	14.0	0.9/1.25	12.1	21.0
CMP 20/25 WR/F	19.05	19.1	19.35	14.0	0.9/1.25/1.6	14.2	27.5
CMP 25 WR/F	25.4	25.45	25.7	20.0	1.25/1.6	14.2	27.5
CMP 25/32 WR/F	25.4	25.45	25.7	20.0	1.25/1.6/2.0	22.1	34.0
CMP 32 WR/F	31.75	31.8	32.05	26.3	1.6/2.0	22.1	34.0
CMP 32/40 WR/F	31.75	31.8	32.05	26.3	1.6/2.0	26.4	40.5
CMP 40 WR/F	38.1	38.15	38.4	32.2	1.6/2.0	26.4	40.5
CMP 40/50S WR/F	38.1	38.15	38.4	32.2	1.6/2.0/2.5	32.0	46.8
CMP 50S WR/F	50.8	50.85	51.1	38.2	2.0/2.5	32.0	46.8
CMP 50S/50 WR/F	50.8	50.85	51.1	38.2	2.0/2.5	37.3	52.8
CMP 50 WR/F	50.8	50.85	51.1	44.1	2.0/2.5	37.3	52.8
CMP 50/63S WR/F	50.8	50.85	51.1	44.1	2.0/2.5	44.8	60.5
CMP 63S WR/F	63.5	63.55	63.8	50.1	2.5	44.8	60.5
CMP 63S/63 WR/F	63.5	63.55	63.8	50.1	2.5	46.8	65.5
CMP 63 WR/F	63.5	63.55	63.8	56.0	2.5	46.8	65.5
CMP 63/75S WR/F	63.5	63.55	63.8	56.0	2.5	57.1	71.8
CMP 75S WR/F	76.2	76.25	76.5	62.0	2.5	57.1	71.8
CMP 75S/75 WR/F	76.2	76.25	76.5	62.0	2.5	64.5	78.1
CMP 75 WR/F	76.2	76.25	76.5	68.0	2.5	64.5	78.1

#### Design options

Alternative metallic materials of manufacture:	Mild steel Stainless steel
Alternative setting compound:	Wm Canning ST574
Alternative skid washer material:	Same material as the gland

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

### Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

#### Protex TR/F Range of Cable Glands

The Protex WR/F gland with an alternatively dimensioned main body and the addition of a clamping ring will then suit the clamping of pliable wire armour. This design is known as the type Protex TR/F cable gland.

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø	Armour (no./Ø mm)	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)			Min. (mm)	Max. (mm)
CMP 20S TR/F	19.05	19.1	19.35	11.7	7/0.45	6.3	16.0
CMP 20 TR/F	19.05	19.1	19.35	14.0	7/0.45	12.1	21.0
CMP 20/25 TR/F	19.05	19.1	19.35	14.0	7/0.45	14.2	27.5
CMP 25 TR/F	25.4	25.45	25.7	20.0	7/0.45	14.2	27.5
CMP 25/32 TR/F	25.4	25.45	25.7	20.0	7/0.45	22.1	34.0
CMP 32 TR/F	31.75	31.8	32.05	26.3	7/0.45	22.1	34.0
CMP 32/40 TR/F	31.75	31.8	32.05	26.3	7/0.45	26.4	40.5
CMP 40 TR/F	38.1	38.15	38.4	32.2	7/0.71	26.4	40.5
CMP 40/50S TR/F	38.1	38.15	38.4	32.2	7/0.71	32.0	46.8
CMP 50S TR/F	50.8	50.85	51.1	38.2	7/0.71	32.0	46.8
CMP 50S/50 TR/F	50.8	50.85	51.1	38.2	7/0.71 & 7/0.90	37.3	52.8
CMP 50 TR/F	50.8	50.85	51.1	44.1	7/0.71 & 7/0.90	37.3	52.8
CMP 50/63S TR/F	50.8	50.85	51.1	44.1	7/0.71 & 7/0.90	44.8	60.5
CMP 63S TR/F	63.5	63.55	63.8	50.1	7/0.71 & 7/0.90	44.8	60.5
CMP 63S/63 TR/F	63.5	63.55	63.8	50.1	7/0.71 & 7/0.90	46.8	65.5
CMP 63 TR/F	63.5	63.55	63.8	56.0	7/0.71 & 7/0.90	46.8	65.5
CMP 63/75S TR/F	63.5	63.55	63.8	56.0	7/0.90 & 7/1.25	57.1	71.8
CMP 75S TR/F	76.2	76.25	76.5	62.0	7/0.90 & 7/1.25	57.1	71.8
CMP 75S/75 TR/F	76.2	76.25	76.5	62.0	7/0.90 & 7/1.25	64.5	78.1
CMP 75 TR/F	76.2	76.25	76.5	68.0	7/0.90 & 7/1.25	64.5	78.1

#### Design options

Alternative metallic materials of manufacture:	Mild steel Stainless steel
Alternative setting compound:	Wm Canning ST574
Alternative skid washer material:	Same material as the gland

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

### Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 02ATEX3421U

**Protex AR/F Range of Cable Glands**

The Protex AR/F ranges of barrier glands are manufactured from brass and are intended to terminate circular unarmoured cable into flameproof or increased safety enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice.

The glands consist of a male non-threaded spigot front entry component, which is intended to be fastened into an entry point of its associated enclosure by two appropriately sized fasteners. The front entry component contains Cedesa EP2122 setting compound that effects a flameproof seal around the cable cores passing through it and is retained by the main body that threads onto the front entry component. On some sizes, an additional screw bush is screwed onto the main body male thread to increase its size to mate with the front entry component. An outer seal nut, fitted with an Evoprene Super G621 elastomeric sealing ring, screws onto the main body effecting environmental sealing onto the outer sheath of the cable.

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Cable inner sheath Ø	Cable outer sheath Ø	
		Min. (mm)	Max. (mm)		Max. (mm)	Min. (mm)
CMP 20S AR/F	19.05	19.1	19.35	11.7	5.9	11.7
CMP 20 AR/F	19.05	19.1	19.35	14.0	6.35	14.0
CMP 25 AR/F	25.4	25.45	25.7	20.0	10.0	20.0
CMP 32 AR/F	31.75	31.8	32.05	26.3	19.0	26.3
CMP 40 AR/F	38.1	38.15	38.4	32.2	25.0	32.2
CMP 50S AR/F	50.8	50.85	51.1	38.2	31.5	38.2
CMP 50 AR/F	50.8	50.85	51.1	44.1	36.5	44.1
CMP 63S AR/F	63.5	63.55	63.8	50.1	42.5	50.1
CMP 63 AR/F	63.5	63.55	63.8	56.0	49.5	56.0
CMP 75S AR/F	76.2	76.25	76.5	62.0	54.5	62.0
CMP 75 AR/F	76.2	76.25	76.5	68.0	60.5	68.0

**Design options**

- Alternative metallic materials of manufacture: Mild steel  
Stainless steel
- Alternative setting compound: Wm Canning ST574
- Alternative stepped skid washer material: Same material as the gland

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

Sira 02ATEX3421U

**MA/B Blanking Flange**

The MA/B range of blanking flanges are manufactured from brass and are intended to blank off flameproof or increased safety enclosures cable entries without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice.

The blanking flanges are solid in form and elliptical in shape. They consist of a male non-threaded spigot portion, which is intended to be fastened into an entry point of its associated enclosure by two appropriately sized fasteners

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter	
		Min. (mm)	Max. (mm)
CMP 20S MA/B	19.05	19.1	19.35
CMP 20 MA/B	19.05	19.1	19.35
CMP 25 MA/B	25.4	25.45	25.7
CMP 32 MA/B	31.75	31.8	32.05
CMP 40 MA/B	38.1	38.15	38.4
CMP 50S MA/B	50.8	50.85	51.1
CMP 50 MA/B	50.8	50.85	51.1
CMP 63S MA/B	63.5	63.55	63.8
CMP 63 MA/B	63.5	63.55	63.8
CMP 75S MA/B	76.2	76.25	76.5
CMP 75 MA/B	76.2	76.25	76.5

**Design options**

Alternative metallic materials of manufacture: Mild steel  
Stainless steel

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

#### MA/FT Spigot to Thread Flanged Adaptor

The MA/B blanking flange can be bored out to allow for cable cores to pass through it. The non-spigoted side of the blanking flange can have a metric female thread of medium fit (6g) thread compliant with the requirements of EN 50018:2000 Clause 5.3 turned into a counter bore. This allows for a suitably certified threaded cable entry to be inserted. This design is known as an MA/FT flanged adaptor.

The following sizes are available:

Gland title & size	Spigot entry diameter (mm)	Equipment entry hole diameter		Entry Thread
		Min. (mm)	Max. (mm)	
CMP 20S MA/FT	19.05	19.1	19.35	M20 x 1.5
CMP 20 MA/FT	19.05	19.1	19.35	M20 x 1.5
CMP 25 MA/FT	25.4	25.45	25.7	M25 x 1.5
CMP 32 MA/FT	31.75	31.8	32.05	M32 x 1.5
CMP 40 MA/FT	38.1	38.15	38.4	M40 x 1.5
CMP 50S MA/FT	50.8	50.85	51.1	M50 x 1.5
CMP 50 MA/FT	50.8	50.85	51.1	M50 x 1.5
CMP 63S MA/FT	63.5	63.55	63.8	M63 x 1.5
CMP 63 MA/FT	63.5	63.55	63.8	M63 x 1.5
CMP 75S MA/FT	76.2	76.25	76.5	M75 x 1.5
CMP 75 MA/FT	76.2	76.25	76.5	M75 x 1.5

#### Design options

Alternative metallic materials of manufacture:	Mild steel Stainless steel
Alternative entry threads	ET Conduit - BS31:1940(1979) PG - DIN 40430:1971 BSPP - BS2779:1973 BSPT - BS21:1985 ISO - ISO 7/1:1982 NPT - USAS B2.1-1989 NPT - ANSI/ASME B1.20.2-1983 NPSM - ANSI/ASME B1.20.1-1983

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

Sira Certification Service is a service of Sira Test & Certification Ltd



**sira**  
Certification Service

## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 02ATEX3421U

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawing Sheet Rev. Date Title

GA	Sheet	Rev.	Date	Title
GA114	1 of 1	01	17 Aug 02	A2F/F ATEX general arrangement
GA115	1 of 1	01	17 Aug 02	2A2F/F ATEX general arrangement
GA116	1 of 1	01	20 Aug 02	E1FW/F ATEX general arrangement
GA117	1 of 1	01	20 Aug 02	E1FT/F ATEX general arrangement
GA126	1 of 1	01	14 Jan 03	M25 E1FW/2F ATEX general arrangement
GA127	1 of 1	01	14 Jan 03	M25 E1FT/2F ATEX general arrangement
GA119	1 of 1	01	20 Aug 02	WR/F ATEX general arrangement
GA118	1 of 1	01	20 Aug 02	TR/F ATEX general arrangement
GA128	1 of 1	01	14 Jan 03	AR/F ATEX general arrangement
GA120	1 of 1	01	29 Aug 02	ATEX threaded flanged adaptor & non-threaded blank & adaptor flanges
GA132	1 of 1	01	09 Jun 03	Alternative outer seal arrangement for size 25 glands

14.2 Report No. R51A8892A, R51A9492A R51A10455A and R51V10875A

#### 15 SPECIAL CONDITIONS FOR SAFE USE

15.1 With the exception of Barrier Type Glands WR/F, TR/F and AR/F the glands shall not be used with flameproof enclosures that have a volume greater than 2000 cm<sup>3</sup>.

15.2 The glands shall only be used where the temperature, at the point of entry, is within the range that is shown below:

Device	Temperature range
A2F/F Range of Cable Glands	-60°C to +130°C
2A2F/F Range of Cable Glands	-60°C to +130°C
E1FW/F Range of Cable Glands	-60°C to +130°C
E1FT/F Range of Cable Glands	-60°C to +130°C
WR/F Range of Cable Glands	-60°C to +100°C
TR/F Range of Cable Glands	-60°C to +100°C
AR/F Range of Cable Glands	-60°C to +100°C
M25 E1FW/2F Cable Gland	-60°C to +130°C
M25 E1FT/2F Cable Gland	-60°C to +130°C

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. R51A8892A.

#### 17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Date 5 February 2003  
Re-issued 9 February 2004

This certificate and its schedules may only be reproduced in its entirety and without change