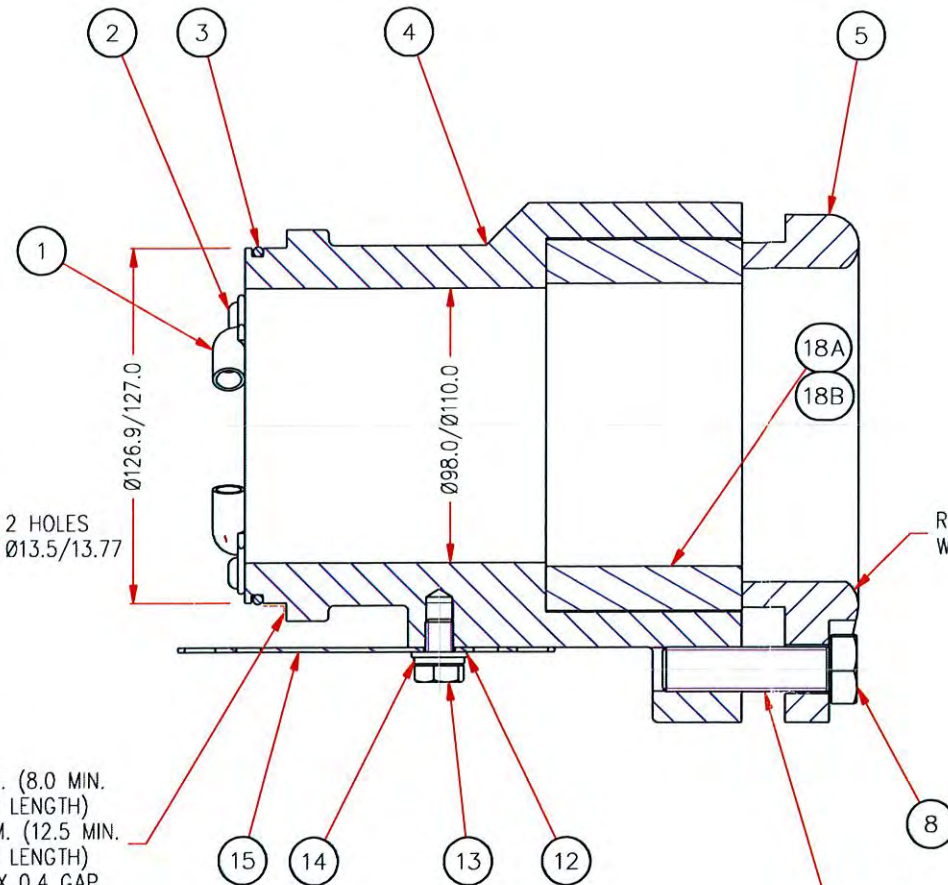
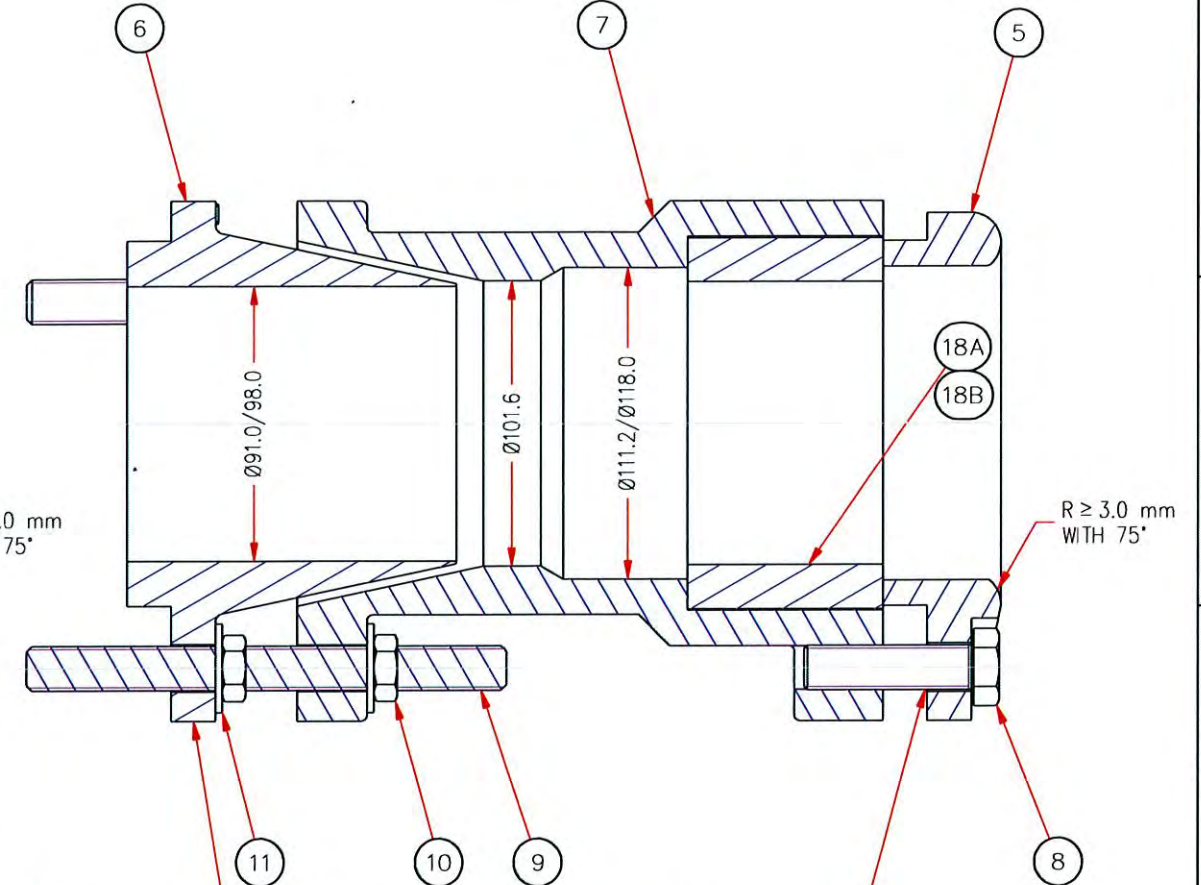


L=12.0 NOM. (8.0 MIN. FLAMEPATH LENGTH)  
L=14.5 NOM. (12.5 MIN. FLAMEPATH LENGTH)  
WITH A MAX 0.4 GAP  
 $c \geq 3.0$ , &  $f \leq 1.0$



M16 X 2.0 - 6g/6H  
GLAND CAP CLEARANCE  
HOLE Ø17.5/17.77



M16 X 2.0 - 6g/6H  
GLAND CLAMP CLEARANCE  
HOLE Ø17.5/17.77

M16 X 2.0 - 6g/6H  
GLAND CAP CLEARANCE  
HOLE Ø17.5/17.77

NEOPRENE GROMMETS	
PART No.	CABLE ACCEPTANCE
4666-73N	65.0-73.0
4666-73S	65.0-73.0
4666-80N	72.0-80.0
4666-80S	72.0-80.0
4666-87N	79.0-87.0
4666-87S	79.0-87.0
4666-94N	86.0-94.0
4666-94S	86.0-94.0
4666-101N	93.0-101.0
4666-101S	93.0-101.0



### NOTES

1. MINIMUM WALL THICKNESS 3.0mm UNLESS OTHERWISE SPECIFIED.
2. IN CASE OF HOLES FOR SCREWS, THE REMAINING THICKNESS OF THE FLAMEPROOF ENCLOSURE WILL BE A MINIMUM OF 3.0mm AND 3.4mm MINIMUM FOR M10 SCREWS.
3. MATERIAL, HIGH TENSILE BRASS C86500 TO AS 1565-1996 WITH MINIMUM TENSILE STRENGTH 220 MPa AND 10% MINIMUM ELONGATION.
4. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH TOLERANCE FIT 6g/6H AND THREAD ENGAGEMENT IS  $\geq$  THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT  $> H13$  (ISO 286-2). THE HEAD OF SCREW OR NUT IS IN ACCORDANCE WITH (ISO 4014/4032).
5. WHEN SCREWS ARE FULLY TIGHTEND INTO BLIND HOLES IN ENCLOSURE WALLS, WITH NO WASHER FITTED, AT LEAST ONE FULL THREAD SHALL REMAIN FREE AT THE BASE OF THE HOLES.
6. SURFACE JOINTS SHALL BE MACHINED SO THAT THEIR AVERAGE ROUGHNESS DOES NOT EXCEED  $6.3\mu m$  AND A SURFACE DEVIATION NO GREATER THAN 0.2mm.
7. MINIMUM TORQUE OF 25Nm FOR GLAND CAP SCREWS AND NUTS.
8. MINIMUM PROPERTY CLASS FOR STAINLESS STEEL FASTENERS IS A\*-70.
9. MINIMUM PROPERTY CLASS FOR MILD STEEL FASTENERS IS 4.6.

### MARKING DETAILS

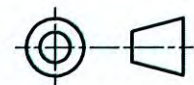
M.I.P.  
F-3222#L  
# TYPE T=TRS  
A=ARMOURED  
L=LARGE VERSION  
IP66/68  
Ex d I Mb  
IECEx TSA 13.0009U  
S.O. xxxxx-xx

### ARMOURED OPTION

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
18B	2	4666-##S SERIES	No. 5 CABLE GLAND GROMMET	SILICONE RUBBER
18A	2	4666-##N SERIES	No. 5 CABLE GLAND GROMMET	NEOPRENE RUBBER
17	1	AX004077	RATING PLATE	BRASS
16	2	AH009788	3/16" X No.4 U-DRIVE SCREW	STEEL-ZINC PL.
15	1	201-264-1	EARTH STRAP	COPPER-NICKEL PL.
14	1	AH151011	M10 SQ SPRING WASHER	STEEL-ZINC PL.
13	1	AH113111	M10 x 16 HEX HEAD SCREW	STEEL-ZINC PL.
12	1	AH150011	M10 X 20 X 1.6 WASHER	STEEL-ZINC PL.
11	6	AH009280	5/8" X 11/4" X 15 WASHER	STEEL-ZINC PL.
10	6	AH120015	M16 NUT	STEEL-ZINC PL.
9	3	3227-1	M16 X 172 THREADED ROD	STEEL-ZINC PL.
8	6	AH113154	M16 X 60 HEX HEAD SCREW	STEEL-ZINC PL.
7	1	3224 SERIES	No. 5 GLAND BODY CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
6	1	3223 SERIES	No. 5 GLAND CLAMP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
5	2	3225 SERIES	No. 5 GLAND CAP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
4	1	3222 SERIES	No. 5 GLAND BASE CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
3	1	A1019010	O'RING ID 120.24 X SECT 3.53	NITRILE
2	3	AH115115	M6 X 10 BUTTON HD SCREW	STEEL-ZINC PL.
1	3	AH017206	EARTH TERMINAL	COPPER-TIN PL.
Ports List				

THIS DRAWING REMAINS  
THE PROPERTY OF MINTO  
INDUSTRIAL PRODUCTS AND  
MUST NOT BE LENT OR COPIED.

F-3222T  
F-3222TL  
F-3222A  
PART No. F-3222AL



DO NOT SCALE DRAWING.  
DIMENSIONS IN MILLIMETRES.

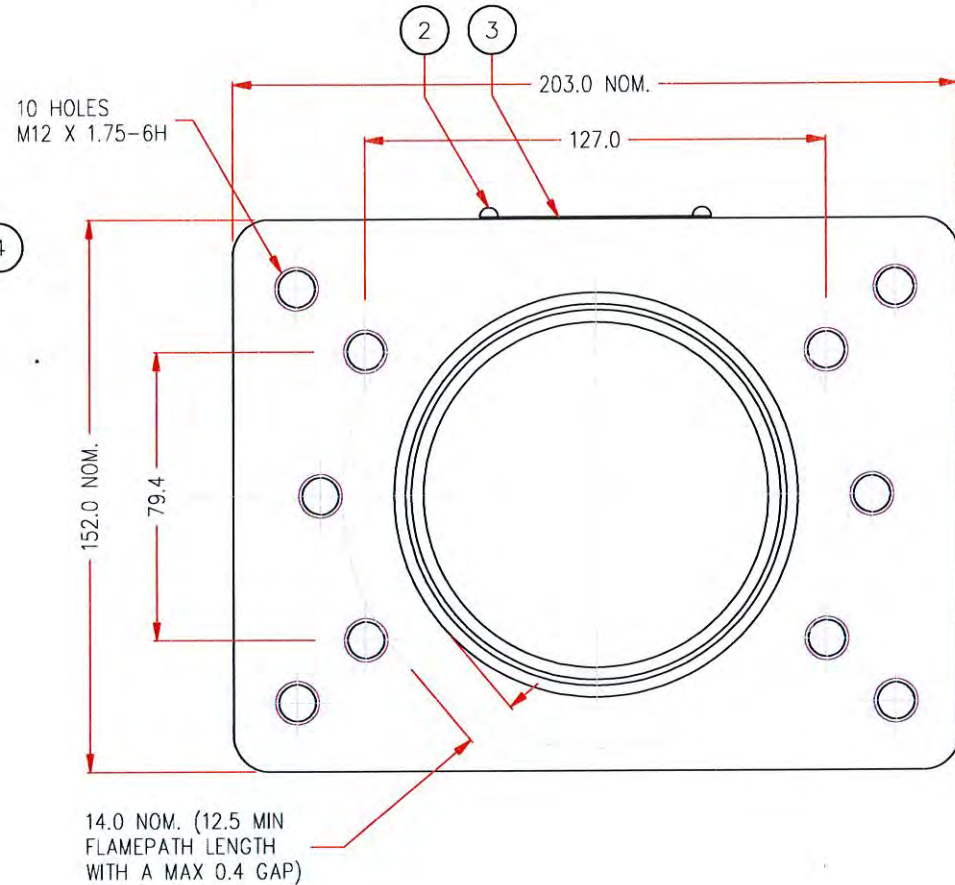
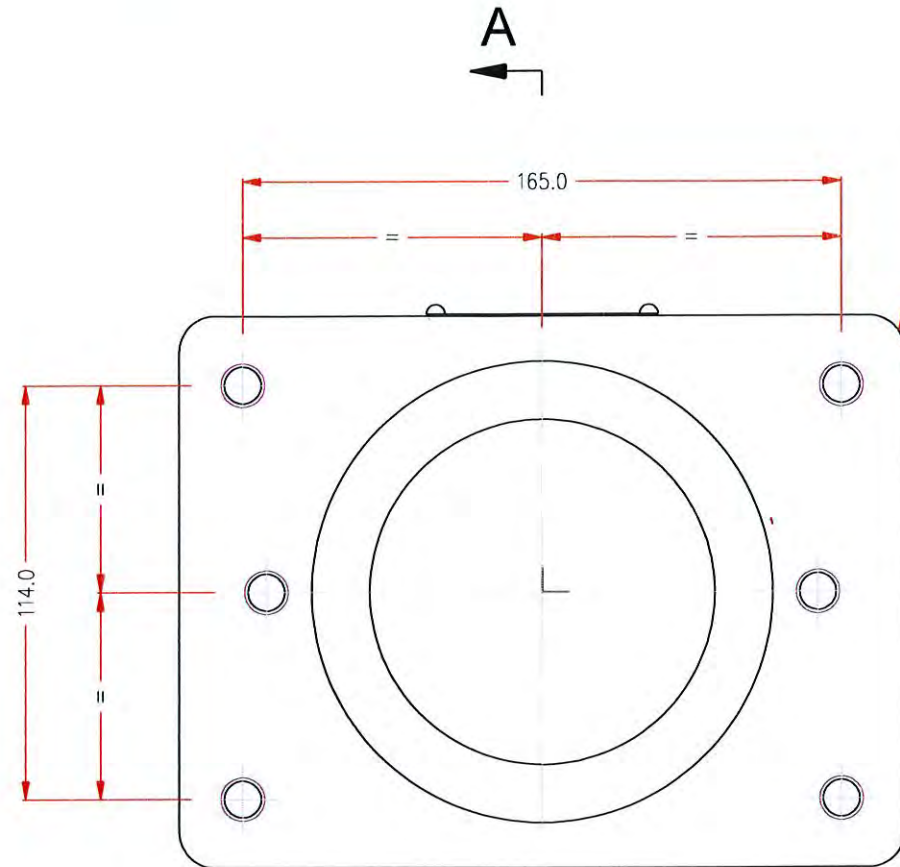


### MINTO INDUSTRIAL PRODUCTS

GENERAL TOLERANCE  $\pm 0.5$   
UNLESS OTHERWISE SPECIFIED  
MATERIAL SEE TABLE  
FINISH NATURAL

DESCRIPTION  
No. 5 GLAND ASSY  
SCALE NTS  
DATE 04/04/13  
DRAWN DMC  
CHECKED [Signature]  
APPROVED [Signature]  
DRAWING No. A3  
F-3222





I=12.0 NOM. (8.0 MIN. FLAMEPATH LENGTH)  
L=14.5 NOM. (12.5 MIN. FLAMEPATH LENGTH)  
WITH A MAX 0.4 GAP  
c ≥ 3.0mm, & f ≤ 1.0mm

### SECTION A-A

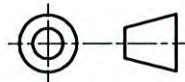
### MARKING DETAILS

M.I.P.  
F-3370  
IP66/68  
Ex d I Mb  
IECEX TSA 13.0009U  
TYPE A  
S.O. xxxxx-xx  
DO NOT SEPERATE WHEN ENERGISED

### NOTES

1. MINIMUM WALL THICKNESS 3.0mm UNLESS OTHERWISE SPECIFIED.
2. IN CASE OF HOLES FOR SCREWS, THE REMAINING THICKNESS OF THE FLAMEPROOF ENCLOSURE WILL BE A MINIMUM OF 3.0mm.
3. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH A TOLERANCE FIT 6g/6H AND THREAD ENGAGEMENT IS ≥ THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT > H13 (ISO 286-2).
4. ALL MACHINED FLAMEPATH SURFACES AVERAGE  $R_a$  DOES NOT EXCEED  $6.3\mu m$  (ISO 468).
5. MATERIAL HIGH TENSILE BRASS C86500 TO AS 1565-1996 WITH A MINIMUM TENSILE STRENGTH 450 MPa AND MINIMUM 10% ELONGATION.
6. MINIMUM TORQUE OF 10.0 Nm FOR GLAND ADAPTOR NUTS.
7. MINIMUM PROPERTY CLASS FOR STAINLESS STEEL FASTNERS IS A\*-70.
8. MINIMUM PROPERTY CLASS FOR MILD STEEL FASTNERS IS 4.6.
9. GLANDS CERTIFIED UNDER IECEX TSA 13.0009U ARE ONLY ALLOWED TO BE USED WITH RGB SPIGOT GLAND ADAPTOR (F-3370).
10. THE SPIGOT GLAND ADAPTOR FOOT PRINT IS IDENTICAL TO THE 300/425A RECEPTACLE FOOT PRINT, CERTIFIED UNDER IECEX TSA 13.0005X AND ANZE 13.3002.

THIS DRAWING REMAINS  
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INDUSTRIAL PRODUCTS AND  
MUST NOT BE LENT OR COPIED.



PART No. F-3370

DO NOT SCALE DRAWING.  
DIMENSIONS IN MILLIMETRES.

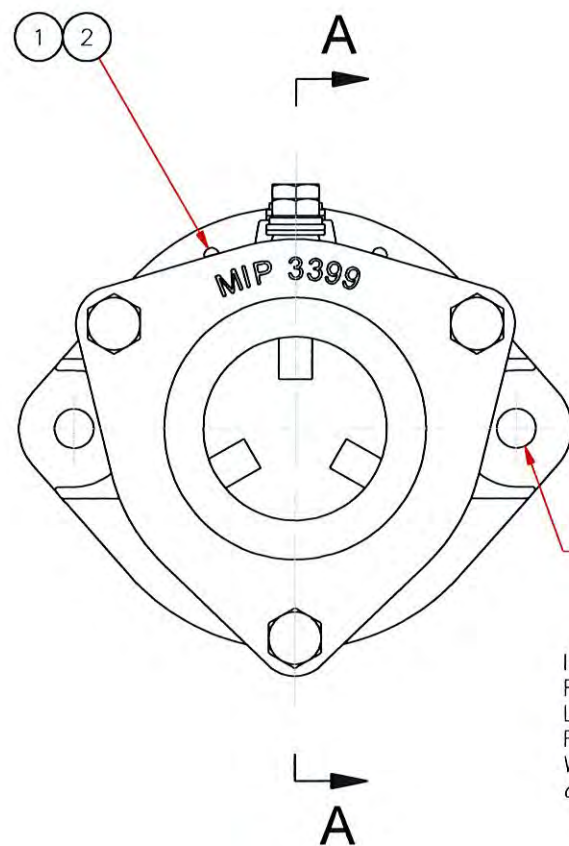


ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
4	1	AI019042	O-RING ID 101.19 X SECT 3.53	NITRILE
3	1	AX004076	RATING PLATE	BRASS
2	2	AH009788	3/16" X No.4 U-DRIVE SCREW	STEEL-ZINC PL.
1	1	3370	RGB GLAND ADAPTOR CASTING	HIGH TENSILE BRASS - NOTE 5 C86500 TO AS 1565-1997

### Parts List

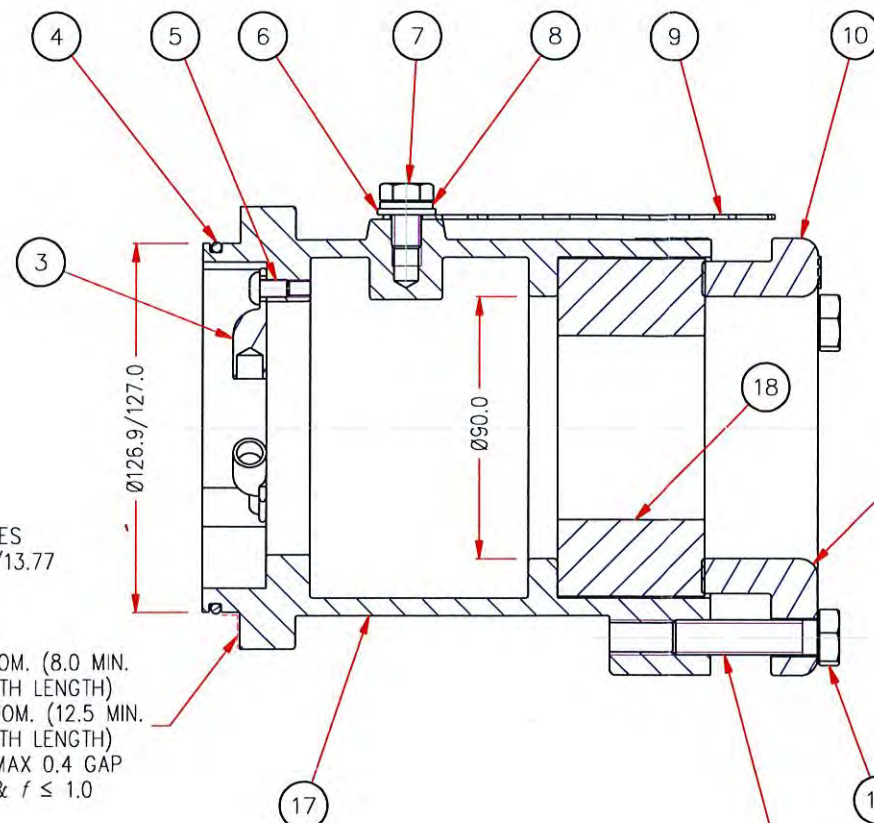
DATE		REV.		 A division of CMI Operations Pty Ltd	<b>MINTO INDUSTRIAL PRODUCTS</b>			
GENERAL TOLERANCE ±0.5 UNLESS OTHERWISE SPECIFIED					DESCRIPTION <b>SPIGOT GLAND ADAPTOR</b>			
MATERIAL SEE TABLE					SCALE NTS	DATE 17/10/13	A3	DRAWING No. <b>F-3370</b>
FINISH NATURAL					DRAWN DMC	CHECKED APPROVED		





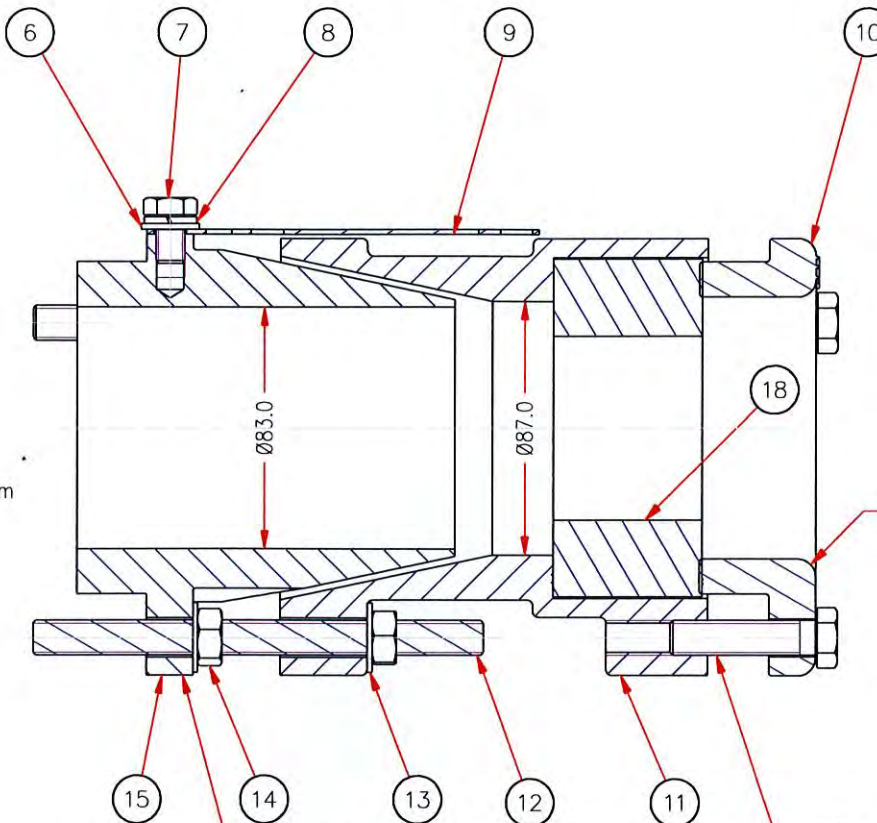
2 HOLES  
Ø13.5/13.77

I=12.0 NOM. (8.0 MIN.  
FLAMEPATH LENGTH)  
L=14.5 NOM. (12.5 MIN.  
FLAMEPATH LENGTH)  
WITH A MAX 0.4 GAP  
 $c \geq 3.0$ , &  $f \leq 1.0$



$R \geq 3.0$  mm  
WITH 75°

M12 X 2 - 6g/6H  
GLAND CAP CLEARANCE  
HOLE Ø13.5/13.77



$R \geq 3.0$  mm  
WITH 75°

M12 X 2.0 - 6g/6H  
GLAND CLAMP CLEARANCE  
HOLE Ø13.5/13.77

M12 X 2 - 6g/6H  
GLAND CAP CLEARANCE  
HOLE Ø13.5/13.77

NEOPRENE GROMMETS	
PART No.	CABLE ACCEPTANCE
3394-58	53.0-58.0
3394-61	56.0-61.0
3394-63	59.0-63.0
3394-66	62.0-66.0
3394-69	65.0-69.0
3394-72	68.0-72.0
3394-75	71.0-75.0
3394-78	74.0-78.0
3394-81	77.0-81.0
3394-84	80.0-84.0
3394-87	83.0-87.0

### TRS OPTION



### MARKING DETAILS

M.I.P.  
F-3393#  
# TYPE T-TRS  
A=ARMURED  
IP66/68  
Ex d I Mb  
IECEx TSA 13.0009U  
S.O xxxxx-xx

### NOTES

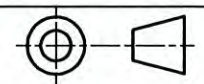
1. MINIMUM WALL THICKNESS 3.0mm UNLESS OTHERWISE SPECIFIED.
2. IN CASE OF HOLES FOR SCREWS, THE REMAINING THICKNESS OF THE FLAMEPROOF ENCLOSURE WILL BE A MINIMUM OF 3.0mm AND 3.4mm MINIMUM FOR M10 SCREWS.
3. MATERIAL, HIGH TENSILE BRASS C86500 TO AS 1565-1996 WITH MINIMUM TENSILE STRENGTH 220 MPa AND 10% MINIMUM ELONGATION.
4. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH TOLERANCE FIT 6g/6H AND THREAD ENGAGEMENT IS  $\geq$  THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT  $> H13$  (ISO 286-2). THE HEAD OF SCREW OR NUT IS IN ACCORDANCE WITH (ISO 4014/4032).
5. WHEN SCREWS ARE FULLY TIGHTEND INTO BLIND HOLES IN ENCLOSURE WALLS, WITH NO WASHER FITTED, AT LEAST ONE FULL THREAD SHALL REMAIN FREE AT THE BASE OF THE HOLES.
6. SURFACE JOINTS SHALL BE MACHINED SO THAT THEIR AVERAGE ROUGHNESS DOES NOT EXCEED  $6.3\mu m$  AND A SURFACE DEVIATION NO GREATER THAN 0.2mm.
7. MINIMUM TORQUE OF 25Nm FOR GLAND CAP SCREWS AND NUTS.
8. MINIMUM PROPERTY CLASS FOR STAINLESS STEEL FASTENERS IS A\*-70.
9. MINIMUM PROPERTY CLASS FOR MILD STEEL FASTENERS IS 4.6.

### ARMURED OPTION

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
18	2	3394 SERIES	No. 4 CABLE GLAND GROMMET	NEOPRENE RUBBER
17	1	3393B	No.4 GLAND BASE CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
16	6	AH113135	M12 x 50 HEX HD SCREW	ST. STEEL
15	1	3395B	No. 4 GLAND CLAMP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
14	6	AH120013	M12 NUT	STEEL-ZINC PL.
13	6	AH150013	M12 X 24 X 1.6 WASHER	STEEL-ZINC PL.
12	3	3637	M12 X 155 THREADED ROD	STEEL-MILD-ZINC PL.
11	1	3396B	No. 4 GLAND BODY CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
10	2	3399B	No. 4 GLAND CAP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
9	2	201-264-1	EARTH STRAP	COPPER-NICKEL PL.
8	2	AH151011	M10 SQ SPRING WASHER	STEEL-ZINC PL.
7	2	AH113111	M10 x 16 HEX HEAD SCREW	STEEL-ZINC PL.
6	2	AH150011	M10 X 20 X 1.6 WASHER	STEEL-ZINC PL.
5	3	AH115115	M6 X 10 BUTTON HD SCREW	STEEL-ZINC PL.
4	1	A1019010	O-RING ID 120.24 X SECT 3.53	NITRILE
3	3	AH017206	EARTH TERMINAL	COPPER-TIN PL.
2	2	AH009788	3/16" X No.4 U-DRIVE SCREW	STEEL-ZINC PL.
1	1	AX004077	RATING PLATE	BRASS

Parts List

THIS DRAWING REMAINS  
THE PROPERTY OF MINTO  
INDUSTRIAL PRODUCTS AND  
MUST NOT BE LENT OR COPIED.



F-3393A  
PART No. F-3393T

DO NOT SCALE DRAWING.  
DIMENSIONS IN MILLIMETRES.

DATE ZONE REV.

REVISION

cmi Electrical Products  
A division of CMI Operations Pty Ltd

GENERAL TOLERANCE  $\pm 0.5$   
UNLESS OTHERWISE SPECIFIED

MATERIAL SEE TABLE

FINISH NATURAL

DESCRIPTION

No. 4 GLAND ASSY

SCALE NTS

DATE 04/04/13

DRAWN DMC

CHECKED  
APPROVED

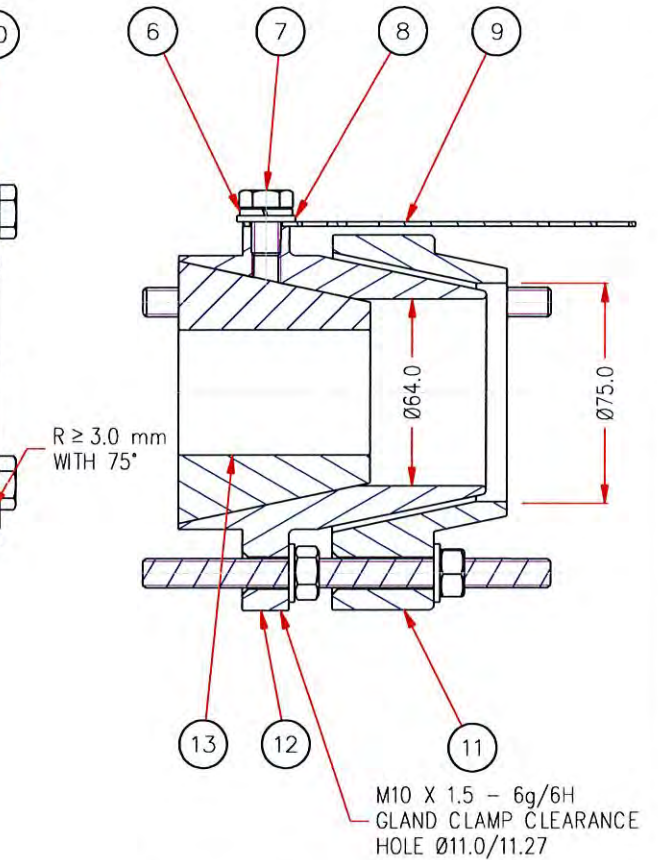
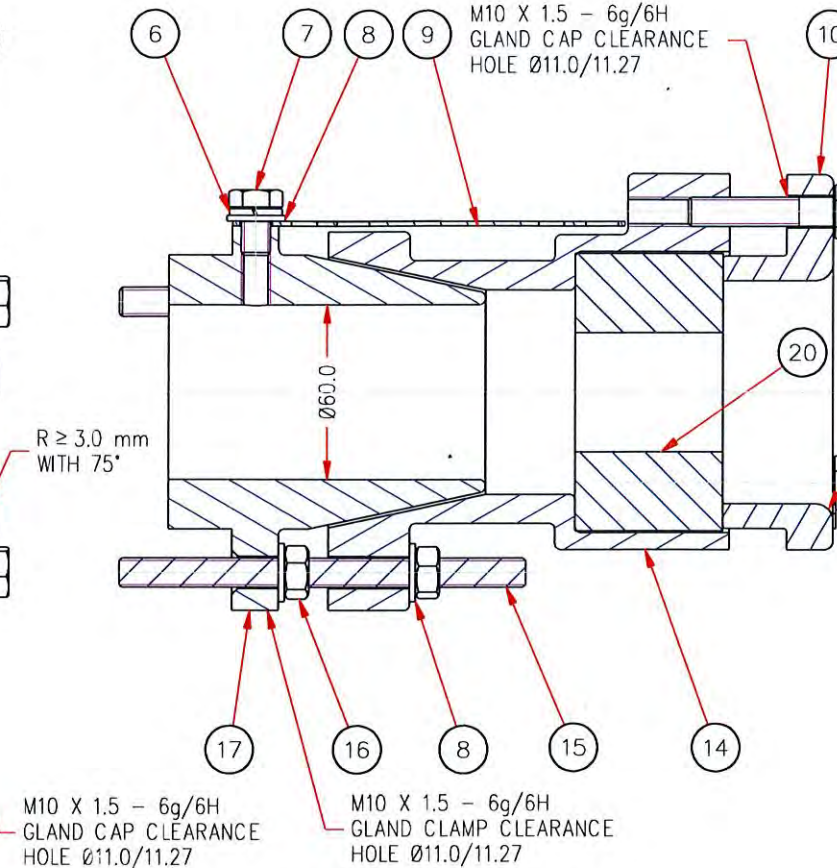
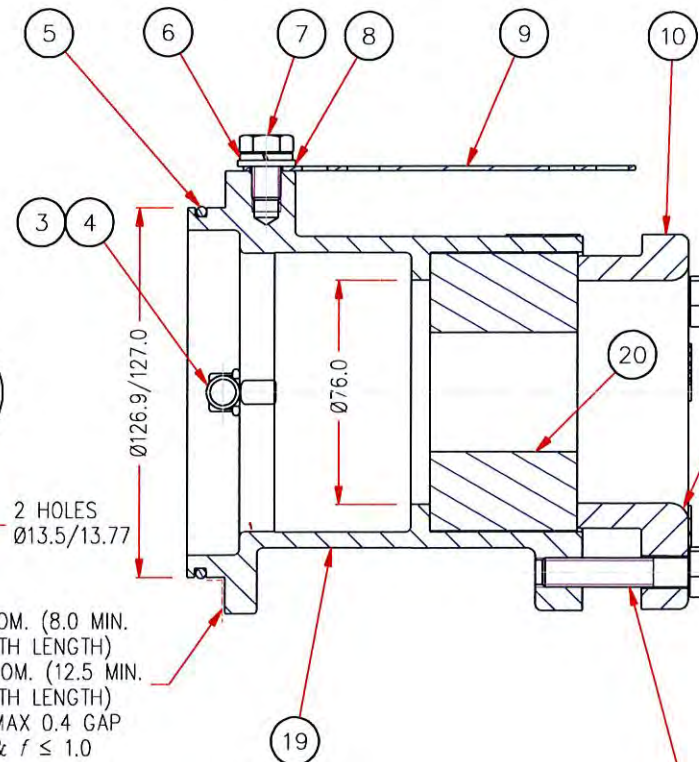
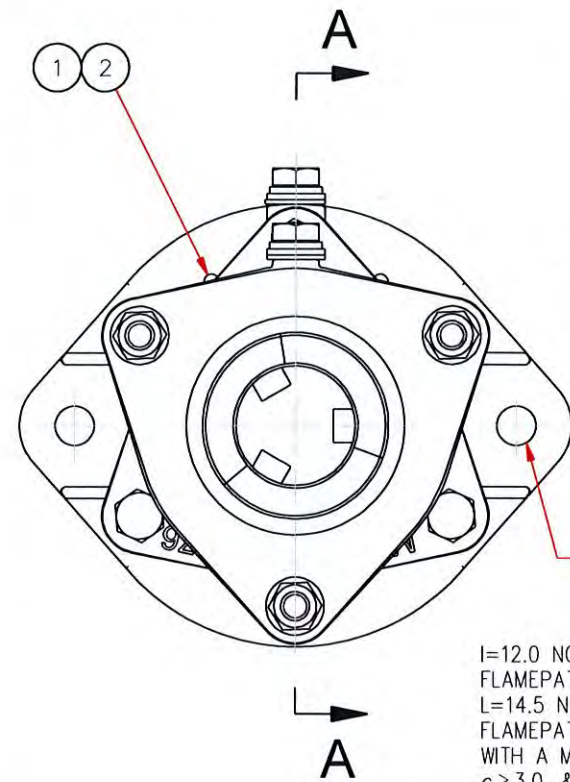
A3

DRAWING No.  
F-3393









### TRS OPTION

### ARMOURED OPTION

### PAPER LEAD OPTION

NEOPRENE GROMMETS	
PART No.	CABLE ACCEPTANCE
3054-25	21.0-25.0
3054-31	24.0-31.0
3054-35	30.0-35.0
3054-38	34.0-38.0
3054-41	37.0-41.0
3054-45	40.0-45.0
3054-47	44.0-47.0
3054-51	46.0-51.0
3054-54	50.0-54.0
3054-57	53.0-57.0
3054-60	56.0-60.0
3054-64	59.0-64.0
3054-67	63.0-67.0
3054-70	66.0-70.0
3054-73	69.0-73.0
3054-76	72.0-76.0

LEAD CONES	
PART No.	CABLE ACCEPTANCE
201-319	44.0
201-319-X	47.0
201-319-1	50.0
201-319-1X	52.0
201-319-2	54.0
201-319-3	58.0

### MARKING DETAILS

M.I.P.  
F-4088#  
# TYPE T=TRS  
A=ARMOURED  
P=PAPER LEAD  
IP66/68  
Ex d I Mb  
IECEx TSA 13.0009U  
S.O. xxxx-xx

### NOTES

1. MINIMUM WALL THICKNESS 3.0mm UNLESS OTHERWISE SPECIFIED.
2. IN CASE OF HOLES FOR SCREWS, THE REMAINING THICKNESS OF THE FLAMEPROOF ENCLOSURE WILL BE A MINIMUM OF 3.0mm AND 3.4mm MINIMUM FOR M10 SCREWS.
3. MATERIAL, HIGH TENSILE BRASS C86500 TO AS 1565-1996 WITH MINIMUM TENSILE STRENGTH 220 MPa AND 10% MINIMUM ELONGATION.
4. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH TOLERANCE FIT 6g/6H AND THREAD ENGAGEMENT IS ≥ THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT > H13 (ISO 286-2). THE HEAD OF SCREW OR NUT IS IN ACCORDANCE WITH (ISO 4014/4032).
5. WHEN SCREWS ARE FULLY TIGHTEND INTO BLIND HOLES IN ENCLOSURE WALLS, WITH NO WASHER FITTED, AT LEAST ONE FULL THREAD SHALL REMAIN FREE AT THE BASE OF THE HOLES.
6. SURFACE JOINTS SHALL BE MACHINED SO THAT THEIR AVERAGE ROUGHNESS DOES NOT EXCEED 6.3µm AND A SURFACE DEVIATION NO GREATER THAN 0.2mm.
7. MINIMUM TORQUE OF 25Nm FOR GLAND CAP SCREWS NUTS.
8. MINIMUM PROPERTY CLASS FOR STAINLESS STEEL FASTENERS IS A\*-70.
9. MINIMUM PROPERTY CLASS FOR MILD STEEL FASTENERS IS 4.6.

This drawing forms part of certification documents under Certificate Number

13.0009U - 0

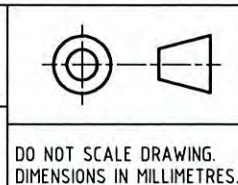
IECEx TSA

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
20	2	3054 SERIES	No.3 CABLE GLAND GROMMET	NEOPRENE RUBBER
19	1	4088B	No. 3 GLAND BASE CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
18	6	AH113116S	M10 x 50 HEX HD SCREW	ST. STEEL
17	2	3390B	No. 3 GLAND CLAMP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
16	12	AH120011	M10 NUT	STEEL-ZINC PL.
15	6	3385	M10 x 140 THREADED ROD	STEEL-ZINC PL.
14	1	3391B	No.3 GLAND BODY CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
13	3	201-319 SERIES	LEAD CONE	LEAD
12	1	3390-1B	No. 3 GLAND CLAMP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
11	1	3392B	No. 3 GLAND WIRE CLAMP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
10	2	3576B	No. 3 GLAND CAP CASTING	HIGH TENSILE BRASS - NOTE 2 C86500 TO AS 1565-1996
9	3	201-264-1	EARTH STRAP	COPPER-NICKEL PL.
8	15	AH150011	M10 X 20 X 1.6 WASHER	STEEL-ZINC PL.
7	3	AH113111	M10 x 16 HEX HEAD SCREW	STEEL-ZINC PL.
6	3	AH151011	M10 SQ SPRING WASHER	STEEL-ZINC PL.
5	1	AH019010	O'RING ID 120.24 X SECT 3.53	NITRILE
4	3	AH017206	EARTH TERMINAL	COPPER-TIN PL.
3	3	AH115093	MB X 15 SKT HD CAP SCREW	STEEL-ZINC PL.
2	2	AH009788	3/16" X No.4 U-DRIVE SCREW	STEEL-ZINC PL.
1	1	AX004077	RATING PLATE	BRASS

Parts List

THIS DRAWING REMAINS THE PROPERTY OF MINTO INDUSTRIAL PRODUCTS AND MUST NOT BE LENT OR COPIED.

F-4088T  
F-4088A  
PART No. F-4088P



DATE ZONE REV.

REVISION

cmi

Electrical Products

A division of CMI Operations Pty Ltd

GENERAL TOLERANCE ±0.5 UNLESS OTHERWISE SPECIFIED

MATERIAL SEE TABLE

FINISH NATURAL

DESCRIPTION

No. 3 GLAND ASSY

SCALE NTS

DATE 04/04/13

DRAWN DMC

CHECKED

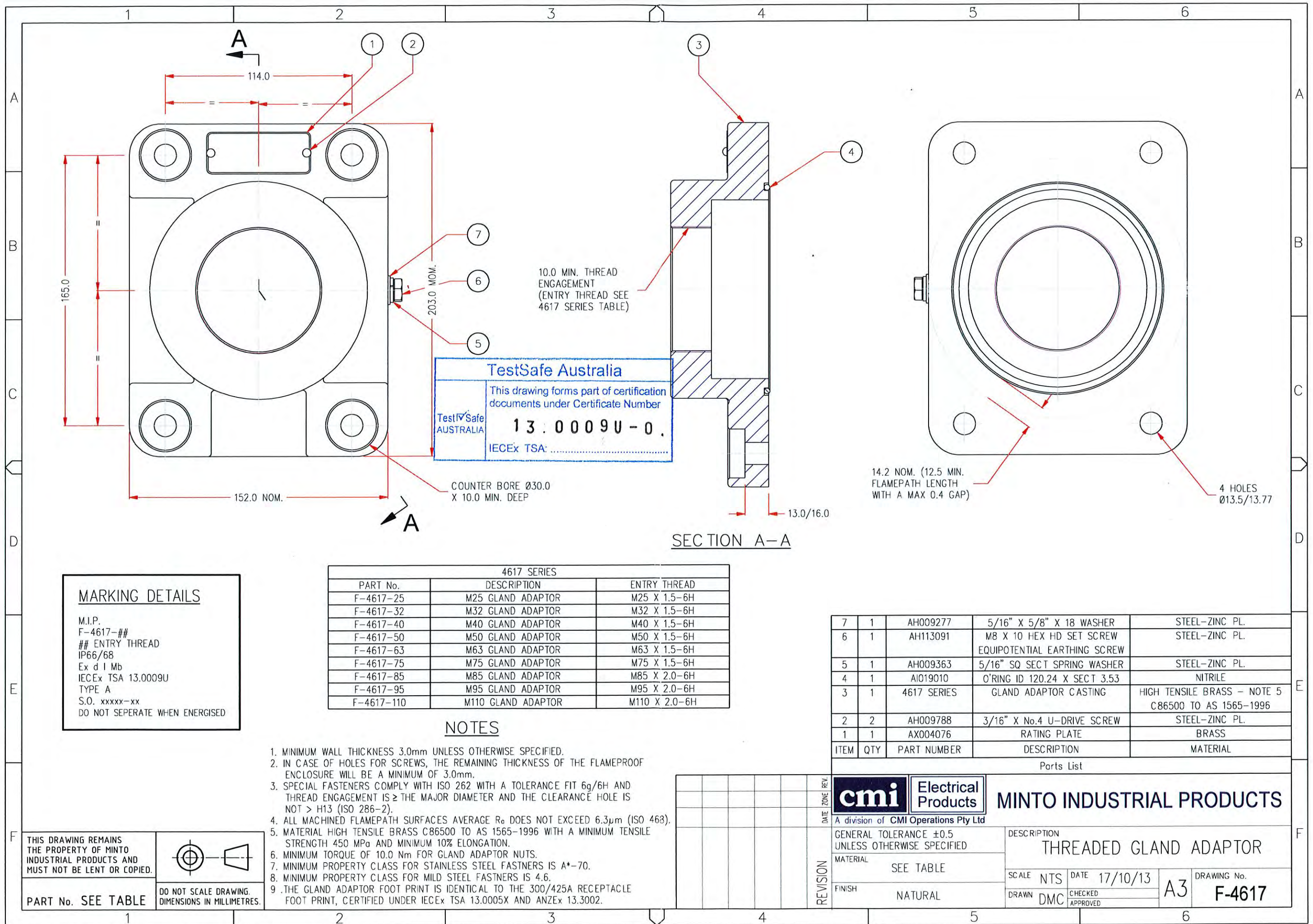
APPROVED

A3

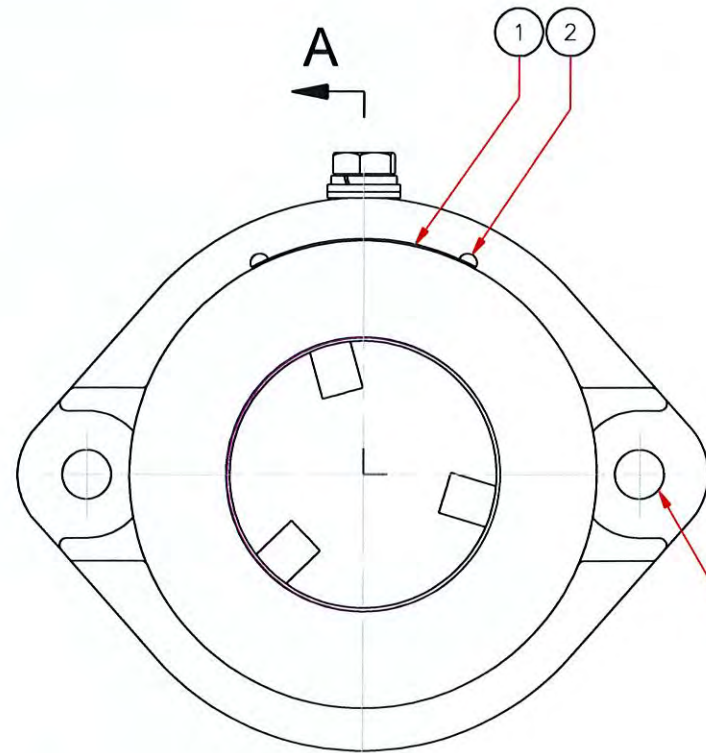
DRAWING No.

F-4088



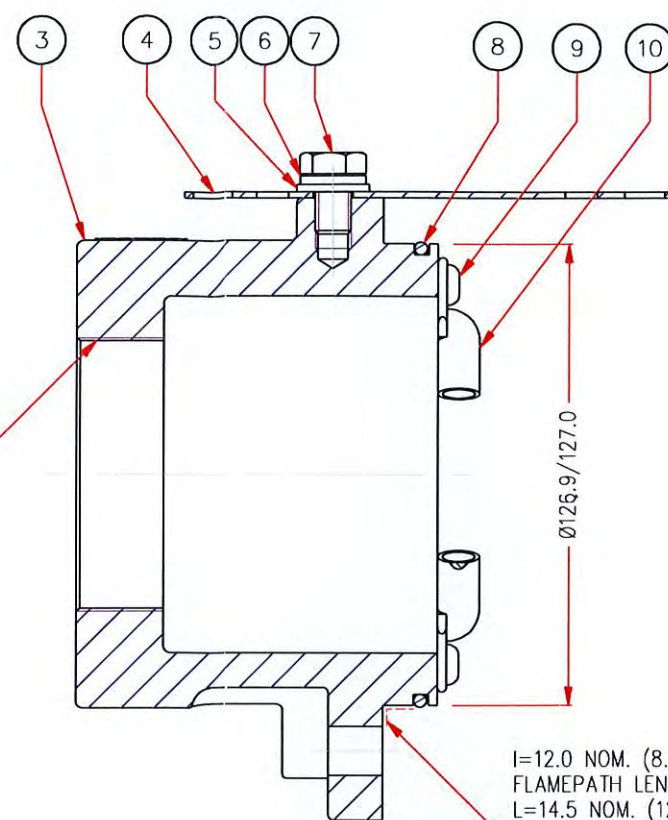




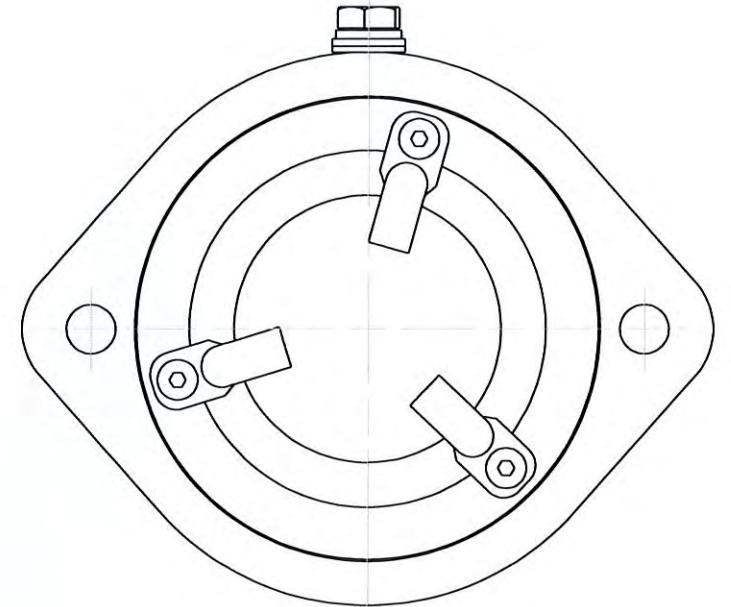


10.0 MIN. THREAD  
ENGAGEMENT  
(ENTRY THREAD SEE  
4649 SERIES TABLE)  
A

2 HOLES  
Ø13.5/13.77



SECTION A-A



### MARKING DETAILS

M.I.P.  
F-4649-##  
## ENTRY THREAD  
IP66/68  
Ex d I Mb  
IECEx TSA 13.0009U  
S.O. xxxxx-xx  
DO NOT SEPERATE WHEN ENERGISED

4649 SERIES		
PART No.	DESCRIPTION	ENTRY THREAD
F-4649-25	M25 GLAND ADAPTOR	M25 X 1.5-6H
F-4649-32	M32 GLAND ADAPTOR	M32 X 1.5-6H
F-4649-40	M40 GLAND ADAPTOR	M40 X 1.5-6H
F-4649-50	M50 GLAND ADAPTOR	M50 X 1.5-6H
F-4649-63	M63 GLAND ADAPTOR	M63 X 1.5-6H
F-4649-75	M75 GLAND ADAPTOR	M75 X 1.5-6H
F-4649-85	M85 GLAND ADAPTOR	M85 X 2.0-6H
F-4649-95	M95 GLAND ADAPTOR	M95 X 2.0-6H
F-4649-110	M110 GLAND ADAPTOR	M110 X 2.0-6H

### NOTES

1. MINIMUM WALL THICKNESS 3.0mm UNLESS OTHERWISE SPECIFIED.
2. IN CASE OF HOLES FOR SCREWS, THE REMAINING THICKNESS OF THE FLAMEPROOF ENCLOSURE WILL BE A MINIMUM OF 3.0mm AND 3.4mm MINIMUM FOR M10 SCREWS.
3. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH A TOLERANCE FIT 6g/6H AND THREAD ENGAGEMENT IS ≥ THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT > H13 (ISO 286-2).
4. SPECIAL FASTENERS COMPLY WITH ISO 262 WITH TOLERANCE FIT 6g/6H AND THRAD ENGAGEMENT IS ≥ THE MAJOR DIAMETER AND THE CLEARANCE HOLE IS NOT > H13 (ISO 286-2). THE HEAD OF SCREW OR NUT IS IN ACCORDANCE WITH (ISO 4014/4032).
5. WHEN SCREWS ARE FULLY TIGHTEND INTO BLIND HOLES IN ENCLOSURE WALLS, WITH NO WASHER FITTED, AT LEAST ONE FULL THREAD SHALL REMAIN FREE AT THE BASE OF THE HOLES.
6. MATERIAL HIGH TENSILE BRASS C86500 TO AS 1565-1996 WITH A MINIMUM TENSILE STRENGTH 450 MPa AND MINIMUM 10% ELONGATION.
7. MINIMUM TORQUE OF 10.0 Nm FOR GLAND ADAPTOR SCREWS.
8. MINIMUM PROPERTY CLASS FOR STAINLESS STEEL FASTNERS IS A\*-70.
9. MINIMUM PROPERTY CLASS FOR MILD STEEL FASTNERS IS 4.6.

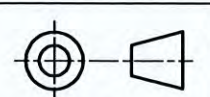


ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
10	3	AH017206	EARTH TERMINAL	COPPER-TIN PL.
9	3	AH115115	M6 X 10 BUTTON HD SCREW	STEEL-ZINC PL.
8	1	AI019010	O'RING ID 120.24 X SECT 3.53	NITRILE
7	1	AH113111	M10 x 16 HEX HEAD SCREW EQUIPOTENTIAL EARTHING SCREW	STEEL-ZINC PL.
6	1	AH151011	M10 SQ SPRING WASHER	STEEL-ZINC PL.
5	1	AH150011	M10 X 20 X 1.6 WASHER	STEEL-ZINC PL.
4	1	201-264-1	EARTH STRAP	COPPER-NICKEL PL.
3	1	4649 SERIES	GLAND ADAPTOR CASTING	HIGH TENSILE BRASS - NOTE 5 C86500 TO AS 1565-1996
2	2	AH009788	3/16" X No.4 U-DRIVE SCREW	STEEL-ZINC PL.
1	1	AX004077	RATING PLATE	BRASS

Parts List

DATE		REV.		cmi Electrical Products		MINTO INDUSTRIAL PRODUCTS	
A division of CMI Operations Pty Ltd		GENERAL TOLERANCE ±0.5 UNLESS OTHERWISE SPECIFIED		DESCRIPTION		THREADED GLAND ADAPTOR	
MATERIAL		SEE TABLE		SCALE		NTS	
FINISH		NATURAL		DATE		04/04/13	
DRAWN		DMC		CHECKED		A3	
APPROVED				DRAWING No.		F-4649	

THIS DRAWING REMAINS  
THE PROPERTY OF MINTO  
INDUSTRIAL PRODUCTS AND  
MUST NOT BE LENT OR COPIED.



PART No. SEE TABLE

DO NOT SCALE DRAWING.  
DIMENSIONS IN MILLIMETRES.



## **Termination and Maintenance Instructions for No.2 to No.5 Gland Assembly & Threaded Gland Adaptor**

The equipment is certified IECEx TSA 13.0009U (maximum operating temperature 150°C). It is recommended that the equipment is overhauled at intervals that do not exceed the requirements of AS/NZS2290.1. and maintained to the requirements of AS/NZS3800 & AS/NZS1747 by suitably competent persons.

### **Installation**

- Confirm components suitable for application e.g. grommets suitable for cable.
- Gland fitting cable preparation.
  1. Slide the gland cap, neoprene cone and gland body along the cable.
  2. Prepare the cable to the dimensions required.

NB. For strip back dimensions for Bolted Couplers or RGB's see their specific Termination & Maintenance instruction. Cables with semi conductive phase screening shall have the semi conductive screen removed back to the outer sheath.

- Coupler / RGB / Gland Adaptor fitting
  3. Care should be taken not to damage the flamepath area.
  4. Slide the neoprene cone into position and bolt the gland cap firmly to the body.  
Minimum torque of gland cap screws and nuts is 25.0Nm. Minimum torque of gland adaptor screws is 10.0Nm.
  5. Test as per the requirements of AS/NZS1747.
  6. Gland Adaptor entry threads M25 to M75 have a pitch of 1.5mm and M85 to M110 have a pitch of 2.0mm.
  7. Armoured Gland threaded studs are to be fixed into position using Loctite thread locker.
- Connection of Protective Earthing Conductors
  - This range of glands has facility for earthing conductors up to 95<sup>2</sup> mm.
  - It is the responsibility of the installer to determine and fit the correct sized earth conductors.

NB. Consideration should be given to using a strain relief anchor on the cable to prevent the cable from being pulled from the back of the plug, if cable is subjected to tension.

### **Use**

- Isolate power before connecting or disconnecting.

### **Assembly**

- Bolt gland assembly & gland adaptor using M12 x 35 special fasteners

### **Disassembly**

- Remove M12 x 35 bolts to separate.

### **Maintenance**

- Inspection shall include cleanliness and compliance with certification documentation.
- Check as per AS/NZS2290.1

### **Overhaul and Repair**

- To be carried out by suitable workshop.

### **Conditions of use**

- Some flameproof joint (flamepath) have dimensions that are different than the values given in table1 of IEC60079.1. Refer to the manufacture's drawings for details.
- The special fasteners used to assemble the gland shall be minimum grade 4.6 (minimum yield stress 240MPa).



## **Termination and Maintenance Instructions**

### **150A Spigot Gland Adaptor (F-3370)**

This Gland Adaptor is certified to IECEx 13.0009U for use with a CMI certified bracket (AV1) and CMI certified No 2 to 5 Glands.

#### **Installation**

- Confirm Gland Adaptor is suitable for application e.g. cable size.
- Gland Adaptor fitment:
  1. Check all surfaces for damage that may prevent assembly
  2. Check and clean all mating parts, O'ring and threads
  3. Place O'ring in allocated groove on Spigot Gland Adaptor (Figure 1)
  4. Insert all four **M12x 40 mm** bolts into Receptacle mounting holes
  5. Assemble Receptacle onto Bracket by aligning and inserting bolts into corresponding Bracket holes
  6. Place Adaptor plate surface with O'ring onto opposite side of Bracket and align four threaded holes with corresponding Receptacle bolts
  7. Fully fasten all bolts into Adaptor. Tightening torque 20Nm (min)
  8. Continue assembly of Receptacle or Gland by referring to relevant Installation Instructions

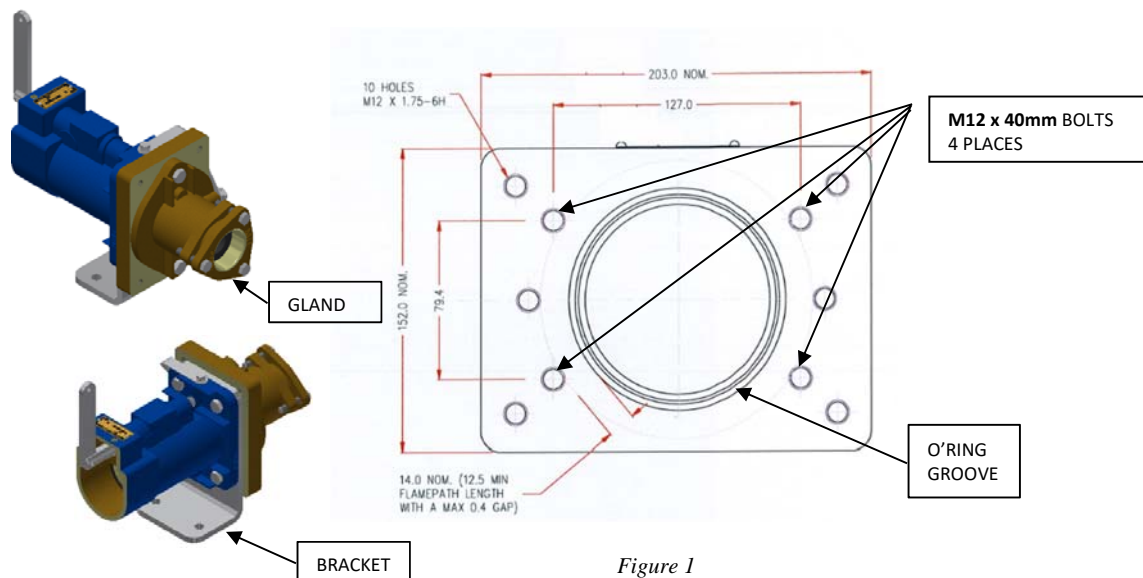


Figure 1

#### **Use**

- Isolate power before connecting or disconnecting.

#### **Assembly**

- As per Installation notes (above)

#### **Disassembly**

- Detach Gland from Gland Adaptor
- Unfasten all **M12x 40 mm** bolts and remove Receptacle from Bracket
- Continue disassembly of Receptacle and Gland by referring to relevant Installation Instructions

#### **Maintenance**

- Inspection shall include cleanliness and compliance with certification documentation.

#### **Conditions of use**

- To be attached to suitable certified Receptacle and Gland



## **Termination and Maintenance Instructions** **300/425A Spigot Gland Adaptor (F-3370)**

This Gland Adaptor is certified to IECEx 13.0009U for use with a CMI certified bracket (AV3) and CMI certified No 2 to 5 Glands.

### **Installation**

- Confirm Gland Adaptor is suitable for application e.g. cable size.
- Gland Adaptor fitment:
  1. Check all surfaces for damage that may prevent assembly
  2. Check and clean all mating parts, O'ring and threads
  3. Place O'ring in allocated groove on Spigot Gland Adaptor (Figure 1)
  4. Insert all four **M12x 50 mm** bolts into Receptacle mounting holes
  5. Assemble Receptacle onto Bracket by aligning and inserting bolts into corresponding Bracket holes
  6. Place Adaptor plate surface with O'ring onto opposite side of Bracket and align four threaded holes with corresponding Receptacle bolts
  7. Fully fasten all bolts into Adaptor. Tightening torque 20Nm (min)
  8. Continue assembly of Receptacle or Gland by referring to relevant Installation Instructions

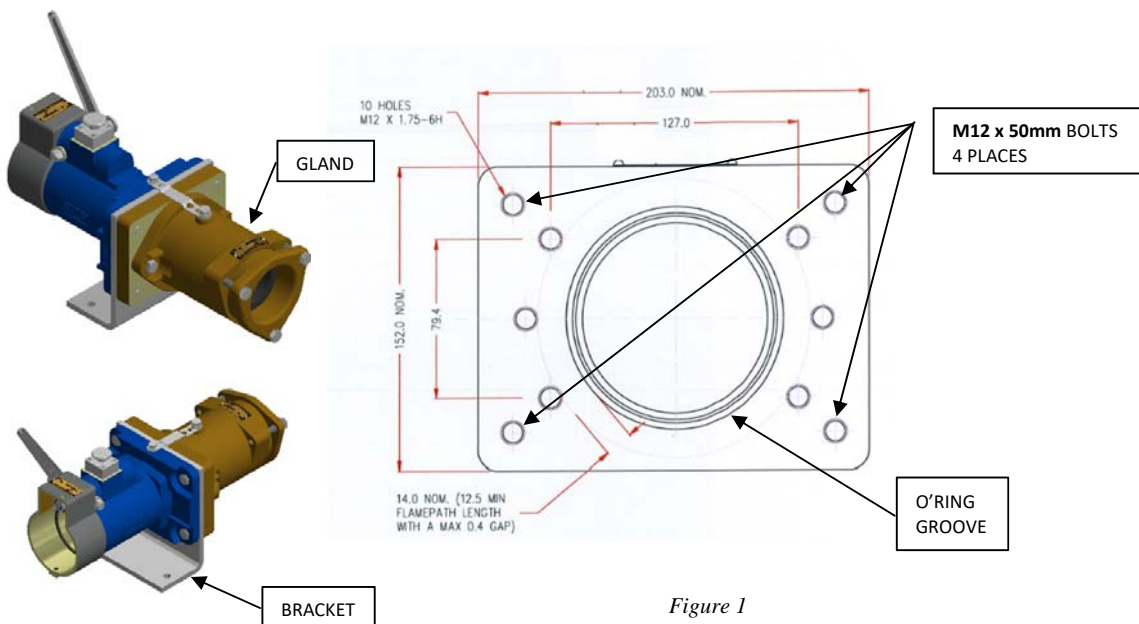


Figure 1

### **Use**

- Isolate power before connecting or disconnecting.

### **Assembly**

- As per Installation notes (above)

### **Disassembly**

- Detach Gland from Gland Adaptor
- Unfasten all **M12x 50 mm** bolts and remove Receptacle from Bracket
- Continue disassembly of Receptacle and Gland by referring to relevant Installation Instructions

### **Maintenance**

- Inspection shall include cleanliness and compliance with certification documentation.

### **Conditions of use**

- To be attached to suitable certified Receptacle and Gland

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