



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx ICS 15.0023X Issue No: 0 Certificate history:
Issue No. 0 (2016-04-14)

Status: **Current** Page 1 of 3

Date of Issue: **2016-04-14**

Applicant: **Pratley Manufacturing & Engineering (Pty) Ltd**
14 Jackson Street,
Factoria,
Krugersdorp,
1745
South Africa

Electrical Apparatus: **Threaded Blanking Elements**
Optional accessory: **M16, M20, M25, M32, M40, M50**

Type of Protection: **Ex d, e, tb**

Marking:
Ex d I/IC MbGb, Ex e I/IC MbGb, Ex tb IIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Roelof Viljoen

Position:

Certification Authority

Signature:
(for printed version)

Date:

2016-04-14

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

South Africa Mining and Surface Certification (MASC)
45 Jurg Street
Lelyta Park Unit 5,
Hennospark Ext 87
Centurion, 0157, Gauteng
South Africa





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Manufacturer: **Pratley Manufacturing & Engineering (Pty) Ltd**
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Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[ZA/ICS/ExTR15.0008/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0042/04](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The range of Threaded Blanking Element(s) are nickel plated and manufactured from brass. A sealing gasket is utilized on the male threaded part to maintain the IP rating.

The range of Threaded blanking elements consist of:

M16 / M20 / M25 / M32 / M40 / M50 (All 1.5 pitch, 6g tolerance)

The types are as follow:

Product Code	Size	Thread Size
25000	M16	M16 x 1.5
25001	M20	M20 x 1.5
25002	M25	M20 x 1.5
25003	M32	M32 x 1.5
25004	M40	M40 x 1.5
25005	M50	M50 x 1.5

Additional testing for IP68 (2m) was conducted to the equipment to IEC 60529: 2013 (Edition 2.2): Degrees of protection provided by enclosures (IP Code).

CONDITIONS OF CERTIFICATION: YES as shown below:

Special conditions of use:

The Threaded Blanking Element(s) shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +65°C.

Conditions of certification / manufacture:

None