

(Pty) Ltd

7 Spanner Rd / PO Box 467 Olifantsfontein 1665

Tel: +27 (11) 316 4601 Fax: +27 (11) 316 5670

E-mail: admin-mgr@explolabs.co.za

GOVERNMENT APPROVED TEST LABORATORY

IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

Date Issued: 26 Apr 2016 *Expiry date: 26 Apr 2026 Page 1 of 3

Issue: 0

Ex - Type Examination Certificate

Certificate Number: MS-XPL/16.0517 X

Equipment: Threaded Blanking Elements
Model / Type: M16, M20, M25, M32, M40, M50

Applicant: Pratley (Pty) Ltd PO Box 3055

Kenmare

1745, South Africa

Manufacturer: Pratley Manufacturing & Engineering (Pty) Ltd

Serial No: All serial numbers imported between issued- and expire date and all serial

numbers covered by a valid report or acceptable product certification mark.

Supplied by Pratley (Pty) Ltd

Identified by Inspection Authority number

MS-XPL/16.0517 X

And as described in the Explolabs file number XPL/17437/16.0517 is hereby certified "Explosion Protected Ex d I/IIC MbGb, Ex e I/IIC MbGb, Ex tb IIIC Db", having been examined and inspected in accordance with the relevant requirements of South African Standards.

SANS 60079-0: 2012 Ed 5

IEC 60079-0: 2011 Ed 6 Explosive atmospheres Part 0: Equipment — General requirements

SANS 60079-1: 2009 Ed 4 Explosive atmospheres Part 1: Equipment protection by flameproof

IEC 60079-1: 2007 Ed 6 enclosures "d"

SANS 60079-7: 2007 Ed 3 Explosive atmospheres Part 7: Equipment protection by increased safety

IEC 60079-7: 2006 Ed 4 "e

"<u>o</u>"

SANS 60079-31: 2009 Ed 1 Explosive atmospheres Part 31: Equipment dust ignition protection by

IEC 60079-31: 2008 Ed 1 enclosure "t"

Risk of ignition provided:

Services Cardion Presention Services	Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
Captured Presents	High	Mb Group I	Suitable for normal operation and severe operating conditions	Equipment de-energized when explosive atmosphere present	T6 (85℃)





The South African National Accreditation System (SANAS) is a member of the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). This Arrangement allows for the mutual recognition of technical test and calibration data by the member accreditation bodies worldwide. For more information on the Arrangement please consult www.ilac.org

DOCUMENT No: XPL0213 RELEASE DATE: 06/10/2015 REV : 4

This report supersedes all previous documents bearing the reference no XPL/17268/16.0229.

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Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
High	Db Group III	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 21 and 22	-20 C t0 +05 C

1. GENERAL

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).

Based on the following documentation:

IECEx ICS 15.0023X Issue No.:0

2. INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

3. SPECIAL CONDITIONS FOR SAFE USE (denoted by X after certificate number)

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.

4. CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

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ANNEX TO CERTIFICATE NO MS-XPL/16.0517 X

5. **MARKING**

The following (or similar) information have to be clearly and permanently marked on all units:

: Pratley (Pty) Ltd Supplier

: Pratley Manufacturing & Engineering (Pty) Ltd Manufacturer

Equipment : Threaded Blanking Elements : M16, M20, M25, M32, M40, M50 Model/Type

Serial No.

: Ex d I/IIC MbGb, Ex e I/IIC MbGb, Ex tb IIIC Db Ex Rating

IA Certificate No : MS-XPL/16.0517 X

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

SANS 10086 and IEC/SANS 61241-14 requirements as applicable:

Any conditions mentioned in the above report; Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; iii)

iv)

Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.

A revision certificate replaces all previous version of the certificate.

* - Only covers equipment Imported between the "Issued" and "Expire" dates.

If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

Responsible Testing Officer:

Reviewed by:

H de Wet

D Maree **Testing Officer** Senior Testing Officer

EXPLOLABS EXPLOSION PREVENTION SERVICES

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