

**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 IIc Db", having been examined and inspected in accordance with the relevant requirements of South African Standards.

- SANS 60079-0: 2012 Ed 5** Explosive atmospheres Part 0: Equipment — General requirements
- IEC 60079-0: 2011 Ed 6**
- SANS 60079-1: 2009 Ed 4** Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079-1: 2007 Ed 6**
- SANS 60079-7: 2007 Ed 3** Explosive atmospheres Part 7: Equipment protection by increased safety "e"
- IEC 60079-7: 2006 Ed 4**
- SANS 60079-31: 2009 Ed 1** Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
- IEC 60079-31: 2008 Ed 1**

Risk of ignition provided:

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



T0104

*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](http://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.

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	-20°C to +65°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	

**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.

