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GOVERNMENT APPROVED TEST LABORATORY

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

IA CERTIFICATE

Date Issued: **02 Jun 2021**
*Expiry date: **05 Jul 2028**
Page 1 of 4
Issue: 6

Ex – Type Examination Certificate

Certificate Number: **MS-XPL/18.0355 X**
Equipment: **Flameproof Cable Glands**
Model / Type: **Refer to certification schedule**
Applicant: **Pratley Manufacturing and Engineering (Pty) Ltd**
14 Jackson Street
Krugersdorp
Manufacturer: **Pratley Manufacturing and Engineering (Pty) Ltd**
Serial No: **All serial numbers of equipment covered by a valid report or acceptable product certification mark.**

Supplied by
Pratley Manufacturing and Engineering (Pty) Ltd
Identified by Inspection Authority number
MS-XPL/18.0355 X

And as described in the Explolabs file number **XPL/19447/18.0355 Issue 6** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", 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: 2015 Ed 5** Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079-1: 2014 Ed 7**
- 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**
- # SANS 808:2013 Ed 1.3** Cable glands for use on flameproof enclosures (Ex d)
- # Not SANAS Accredited**



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

DOCUMENT No: XPL0105	RELEASE DATE: 02/10/2018	REV : 6
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This certificate supersedes all previous documents bearing the reference no XPL/19447/18.0355 Issue 5.

Table 2

Configuration B : Unarmoured

Configuration C : Unarmoured Hose-tail

Size	Configuration	Cable Diameter "D1"		Entry Thread "C"	
		Min	Max	Metric	NPT
0s	B & C	8.0	10.9	M20	1/2"
0L	B & C	11.0	13.5	M20	1/2"
1	B & C	13.6	14.5	M20	1/2" or 3/4"
2s	B & C	14.6	17.5	M25	3/4" or 1"
2L	B & C	17.6	20.0	M25	3/4" or 1"
3s	B & C	20.1	23.0	M32	1" or 1 1/4"
3L	B & C	23.1	26.2	M32	1" or 1 1/4"
4s	B & C	26.3	30.1	M40	1 1/4" or 1 1/2"
4L	B & C	30.2	34.0	M40	1 1/4" or 1 1/2"
5s	B & C	34.1	38.7	M50	1 1/2" or 2"
5L	B & C	38.8	43.2	M50	1 1/2" or 2"
6s	B & C	43.3	49.3	M63	2" or 2 1/2"
6L	B & C	49.4	55.5	M63	2" or 2 1/2"

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

– An IP rating of IP68 must be upheld after installation.

– The temperature at the point of mounting shall be in the range -20°C to +100°C.

3. 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.

4. CONDITIONS OF CERTIFICATION

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

