

APPROVED INSPECTION AUTHORITY

IN TERMS OF REGULATIONS 21.17.2 OF THE MINERALS ACT
(INCORPORATED IN THE MINE HEALTH AND SAFETY ACT No. 29 OF 1996
AND REGULATION 8(2) OF THE ELECTRICAL MACHINERY REGULATIONS
OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, No. 85 OF 1993

Pratley Manufacturing & Engineering (Pty) Ltd
P O Box 3055
KRUGERSDORP
1745

Expiry Date: June 2020

Page 1 of 1

Date: June 2010

IA CERTIFICATE: SABS S/10-367U
Exe HV TAPE ARMOUR RANGE OF CABLE GLANDS

- 1 GENERAL.** The cable glands were manufactured by Pratley Manufacturing & engineering (Pty) Ltd. They are for both surface and mining use, with Lead Sheathed Steel Tape Armoured Cables. They were intended to be used in the following areas:

Ex e II

Zones: 1, 2, 20, 21, and 22

The glands may be manufactured from brass, bronze or stainless steel dependent on application.

Each gland consists of a gland nipple body fitted with nipple gasket, locknut and a red identification band.

Provision for an external earth is via tapped holes into which a bolt complete with a washer and spring washer is screwed.

Internally, two lead bushes are supplied an s & L, one lead bush to be used which is compressed onto correct outer lead sheath diameter to ensure contact between Lead sheath and gland. A cone bush clamps the steel tape armour into the compression nut ensuring steel tape armour retention and earth continuity.

The compression nut is fitted with a synthetic rubber sealing ring which seals the screw thread of the compression nut into the gland nipple. The compression nut has either a shroud groove and fitted with shroud or is fitted with a back nut and seal to seal the gland and the outer sheath of the cable.

The cable glands tested were the following:

PRATLEY Exe HV TAPE ARMOUR GLAND No. 5 – 7

PRATLEY Exe HV TAPE ARMOUR PETRO GLAND No. 5 – 7

The gland consists of brass components, gasket, lead bush, synthetic rubber sealing rings and/or a synthetic rubber shroud. The gland is intended to connect a lead sheathed, steel tape armoured cable to certified Ex e enclosure to form an Ex e assembly.

These glands are intended for use with cables complying with SANS 1507 or similar.

- 2. IDENTIFICATION.** The glands were marked as follows:

PRATLEY
SABS LOGO
No. X (Size)
Mxx (Thread Marking)
Ex e II
Ex tD IP68
IA NUMBER: S/10-367U

COMPLIANCE: The units as described above and examined in **TEST REPORT No. SABS 2335/10-367** is hereby certified "Explosion Protected" and is suitable for use in hazardous locations as stated below, as determined during tests and inspections conducted in accordance with the relevant requirements of SANS Standards: **SANS 60079: "Electrical apparatus for explosive gas atmospheres", Part-0:2009 "General Requirements" and Part-7:2007 "Equipment protection by increased safety "e" and "SANS 61241:Electrical apparatus for use in the presence of combustible dust",Part-0:2005 "General requirements" and Part-1:2005 "Protection by enclosures 'tD' "**

SABS COMMERCIAL (Pty) Ltd – Reg. No. 2000/013581/07

Directors: Mr CB Sibisi, Dr B Mehlomakulu, Dr GR Visser, Ms TA Cooper, Dr T Demana, Dr MJ Ellman,
Mr WK Masvikwa, Ms B Mosako, Mr ME Mkwanazi, Ms WIJ Poulton
Ms W de Witt (Company Secretary)

Website: www.sabs.co.za E-mail: info@sabs.co.za

Gauteng Head Office

1 Dr Lategan Road, Groenkloof
Private Bag X191
Pretoria, 0001
Tel: +27 (0) 12 428 7911
Fax: +27 (0) 12 344 1568

Western Cape:

Liesbeek Park Way, Rosebank
PO Box 615, Rondebosch,
Cape Town, 7701
Tel: +27 (0) 21 681 6700
Fax: +27 (0) 21 681 6701

Eastern Cape:

30 Kipling Road (cnr. Diaz and Kipling Roads).
PO Box 3013, North End,
Port Elizabeth, 6056
Tel: +27 (0) 41 391 8400
Fax: +27 (0) 41 391 8427

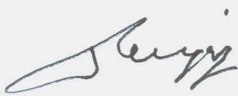
Kwazulu-Natal:

15 Garth Road, Waterfall Park
PO Box 30087,
Mayville, 4058
Tel: +27 (0) 31 203 2900
Fax: +27 (0) 31 203 2907

Locations : Zone 1, 2 : Gas on surface
: Zone 20, 21 and 22 : Dust on surface
Hazard Frequency : Intermittent as could occur under normal operating conditions in a hazardous area
Environment : Group II
Temperature Class : -----
Ingress Protection rating : IP 68

The use of apparatus in hazardous locations is subject to the following provisions, which shall be adhered to:

- i) SANS 10086 requirements;
- ii) Any relevant requirements of the MHS or OHS act;
- iii) Codes of Practice enforced in terms of Regulations 21.17.2 of the Mineral Act, by the Chief Inspector of Mines;
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines, Principal Inspector (Group I equipment) or Chief Inspector of Factories (Group II equipment);
- v) Any conditions mentioned in the above Test Report.



Evaluated by: **P Heigers**

SIGNATORY



Report reviewed by: **Duke Richard Nene**

MANAGER

EXPLOSION PREVENTION TECHNOLOGY