



**PRODUCT STANDARD
TURBINES & COMPRESSORS**

TC 5 1925

REV 03

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CABLE SEAL CONNECTORS

SCOPE:

This standard specifies the requirement of cable seal connectors used in thrust bearing (Type : 151M13 - 1 x 9) and also in bearing Housing assembly [(Type : 151M13 - 5x 3.5) (2 Nos.) in front and 151M13 - 5 x 3.5 (1 no) in rear)] for steam turbines.

GUARANTEE CERTIFICATE : A guarantee certificate for 24 months of trouble free performance from the date of commissioning whichever is earlier shall be furnished.

DOCUMENTS : Technical literature shall accompany offer.

MARKING : A tag bearing relevant 12digit material code of BHEL shall be attached for each component. The following details shall be marked on the packing case.

- a) Manufacturer's name
- b) BHEL order number
- c) BHEL standard number : TC 51925

FORMAT
TD-201
REV -02
REF DOC

PREPARED BY: D.S.RAO

APPROVED BY: D.S.RAO

DATE: 25-02-97

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 HYDERABAD	PRODUCT STANDARD TURBINES & COMPRESSORS		TC 5 1925
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CABLE SEAL CONNECTORS

TECHNICAL SPECIFICATIONS :

I. VARIANT 01 :

DESIGNATION : Opeco cable seal connectors Pg 11 x 6 , water proof and resistant to heat
(Max. Temp. 150^{0c})

TYPE : d 151hm 1 x 8

MATERIALS :

a) Set screw : This is made from CuZn39Pb3 (br. 58) - galvanised and nickel plated.

b) Seal : Seal is made from Material “ VISTAFLEX “ black coloured.

CABLE ENTRY : Bore for cable entry shall be conical from diameter 5 to 8 mm and closed with 1 mm thick and disc made from polyanid. This is suitable for cables with outside diameter of 5 to 8 mm. (see Fig : 1 - Page : 4)

THREADING : Pg 11 x

Sheathing dimentions : Acc to DIN 46320
Type of Protection : IP65 (IP68)

BHEL Material code : TC 9751925010

UNI - MULTIPLE CABLE SEAL CONNECTORS (FROM VARIANT 02 ONWARDS)

II. DESIGNATION : Unimultiple cable seal connector (See Fig. 2 - Page 4 for example)

Type : See variant table

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Materials :

a) thrust nut and Double nipple : Stainless steel

b) Seal : Oil resistant PVC of 55 shore A

Threading : See variant table

Cable entry : See variant table

Sheathing dimentions : Acc to DIN 46320

Type of Protection : IP65 (IP68)

Spl. Note : All holes are to be supplied with plugs . plugs shall be removed as per requirement

BHEL Material code : See variant table.

variant no.	type	Threading	Cable entry Size (mm)	Mtl. code
02	St 151m 12.5x5.3	Pg 29	5	TC9751925029
03	St151m 3x5.3	Pg 11	5	TC9751925037
04	155M1 x 8.5	Pg 29	8.2	TC9751925045
05	St154m 8 x 3	Pg 21	3	TC9751925053
06	St153M 4 x 6	Pg 16	5.8	TC9751925061
07	St151m 1 x 3	Pg 11	3	TC9751925070
08	155 D 25	Pg 29	24.8	TC9751925088
09	St151m 5 x 3.5	Pg 11	3.2	TC9751925096

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RECORD OF REVISIONS

REV. NO	DATE	REVISION DETAILS	REVISED	APPROVED
00	08.03.86	NEW	D.S.RAO	K.CH.Periah
01	12.03.90			
02	10.02.93		D.S.RAO	K.CH.Periah
03	25.02.97	VAR.02,03,05,07,09 CHANGED	D.S.RAO	D.S.RAO