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**TEST REPORT NO : K&A/DHN/02/08-08  
DATED 07.08.2003**

**TEST REPORT ON : DUPLEX KA HEAD ENCLOSURE**

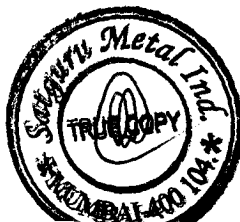
**Cat No. : SMI / KAD / TCH**

**Drawing No. : SMI / TCH / KAD DT: 15.06.2003**

**TEST REPORT FOR : M/S SATGURU METAL INDUSTRIES,  
101, Planet Industrial Estate,  
Subhash Road, Vile Parle (East),  
Mumbai - 400 057.**

**TEST : Weatherproofness Test as per IS 13047 (Part - 1) - 1993 :  
IP 67**

**NOTE :** 1) This refers only to the particular item(s) submitted for testing.  
2) If necessary, this report shall be reproduced in full.



**ITEMS : DUPLEX KA HEAD ENCLOSURE****Report No: K&AD/HV/02/08-06**

Dated	Page	Of
07.08.2003	2	3

- 1) Reference No. : Challan No. 145 Dt: 31.07.2003.
- 2) Item : DUPLEX KA HEAD ENCLOSURE
- Cal No. : SMI / KAD / TCH
- Drawing No. : SMI / TCH / KAD DT: 15.06.2003
- 3) Test Report For : M/S SATGURU METAL INDUSTRIES,  
101, Planet Industrial Estate,  
Subhash Road, Vile Parle (East),  
Mumbai - 400 057.
- 4) Reference Specifications : TEST AS PER IS 13947 (PART - 1) - 1993 : IP 67

**5) Testing :**

- 5.1) The sample kept in the dust chamber was subjected to the dust laden environment as per IS 13947 Part - 1 1993, Cl C7.6.
- 5.2) The total duration of dust test was 8 hours. At the conclusion of the test it was opened and was observed for ingress of dust.
- 5.3) It was there after subjected to the water immersion test as per clause Cl 8.7. Duration of test was 30 min.

**6) Observations :**

- 6.1) At the end of dust test there was no ingress of dust seen inside the enclosure.
- 6.2) At the end of water immersion test 4 ml ingress of water was observed.
- 6.3) It was felt that this quantity of water would not adversely affect the working of instrument inside the enclosure.

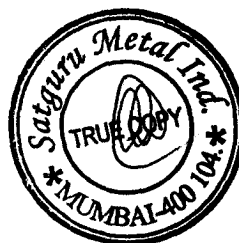
**7) Conclusion :**

The enclosure of "Duplex KA Head Enclosure" as per Drawing No: SMI / TCH / KAD Dt: 1.06.2003 tested as above, meets the requirement of IS 13947 (Part-1) - 1993 : IP 67.

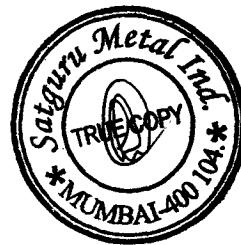
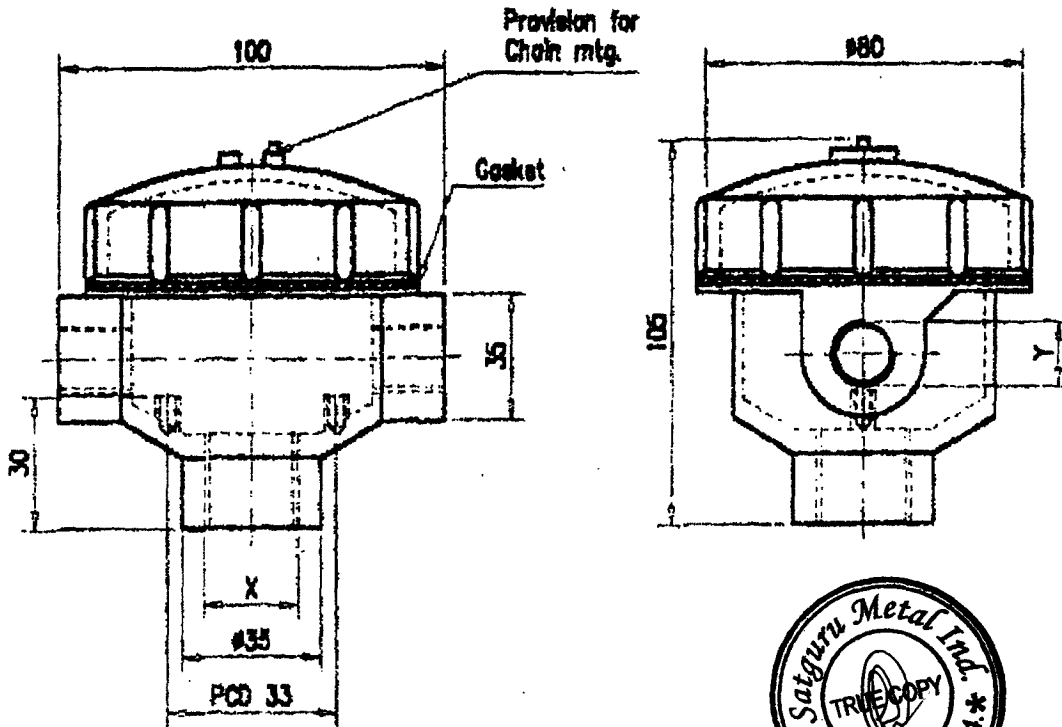
For KARANDIKAR &amp; ASSOCIATES

*A.V. Karandikar*

Authorized Signatory



# WEATHER PROOF IP- 67 DUPLEX(KA) HEAD ENCLOSURE



Report No: K&A/DHN/02/08-06

Dated: 07/08/2003

HUB LENGTH = 30mm

## TECHNICAL DATA

TYPE	DIRECT ENTRY (DUPLEX)
CONSTRUCTION	DIE CAST ALUMINIUM
PROTECTION	IP: 65/67
SENSOR OPENING (X)	1/4 BSP/NPT, 1/2 BSP/NPT, 3/4 BSP/NPT OR EQUIVALENT
CABLE ENTRY (Y)	3/4 ET, 1/2 BSP/NPT, 3/4 BSP/NPT OR EQUIVALENT
FINISH	POWDER COATED
CHAIN	PROVIDED (SS CHAIN OPTIONAL)
HARDWARE	M.S. (ZINC PLATED)
GASKET	ENDLESS FLAT (MOULDED RUBBER)
TOLERANCES	(±2 mm) ON OVERALL DIMENSIONS
DIMENSIONS	ALL DIMENSIONS ARE IN MM.

Report No: K&A/DHN/02/08-06

Dated: 07/08/2003

CAT NO.	SMI/KAD/TCH
DRG. NO.	SMI/TCH/KAD DI. 15/08/2003
TITLE	WEATHER PROOF IP: 65/67 DUPLEX (KA) HEAD ENCLOSURE
DRN BY.	JACOB JOHNSON



**Satguru Metal Industries**  
 VILE PARLE (EAST), BOMBAY 400007.

TITLE :-  
 W/P-KA ENCLOSURE

DRN BY	CHKD BY	DATE	SCALE	MATL.	
JOHNSON	---	21.07.03	N.T.S.	---	
DO NOT SCALE THE DRAWING			DRG. NO.:- TCH/KAD		REV. C