

**Government of India
Ministry of Railways
Research Designs & Standards Organisation
Manak Nagar , Lucknow - 226011**

NO. EL/3.2.70

Dated : 30.10.1992

**SPECIAL MAINTENANCE INSTRUCTIONS NO. RDSO/EL-
RS/SMI/147**

1. TITLE :

Use of button head type of grease nipple on Auxiliary motors fitted on Electric Loco.

2. APPLICATION TO CLASS OF LOCOMOTIVE :

All ac Electric locomotives fitted with 3 phase Induction Motors.

3. OBJECT OF SMI :

Railway have reported use of various types of grease nipples provided by the different manufacturers on their motors resulting in to difficulty in replenishment of grease into the motor bearing by a particular type of grease gun. In view of this RDSO has decided to use only standard type and size of grease nipple as per IS:4009 Part I of 1981.

4. INSTRUCTION DRAWING :

RDSO Drawing No. SK. EL. 4103

5. INSTRUCTIONS :

1. All grease nipple should be replaced by M10x1 size button head type of grease nipple made of brass as per IS:4009 Pt. I - 1981.
2. The grease nipple should be free from burrs cracks and manufacturing defects. Its finish should be smooth.
3. Brass nipple shall be nickle plated.

6. **PERIODICITY OF IMPLEMENTATION :**

During AOH

7. **AGENCY OF IMPLEMENTATION :**

All Electric Loco sheds and shops.

8. **REFERENCE :**

Reliability to improve performance of auxiliary motor in service circulated vide RDSO letter No. EL/1.2.14/1 dated 12.6.1991.

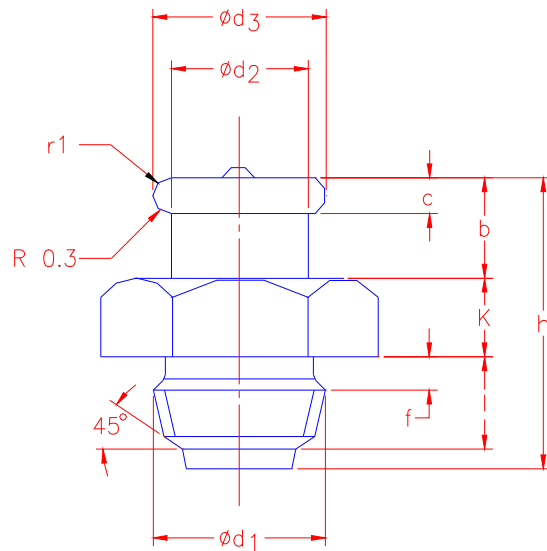
9. **DISTRIBUTION :**

As per enclosed list.

/Elect.



(P.K. Jain)
for Director General



All dimensions in millimetres.

NOMINAL SIZE d ₁	b	c −0.1	d ₁ h12	d ₁ h12	h Max	k ±0.375	i −0.5	r ₁	f	Width Across Fiata h13
M10x1	5.5	1	13	16	7.5	4.5	5.5	1.0	2.0	17
REF:—				SCALE: N.T.S		APPLICABLE FOR DG.				
BUTTON HEAD GREASE NIPPLES										
RDSO ELEC DTE.					SKEL— 4103					

DT	C
D	
T	
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