EMU/M-3-2-060 M2

REV.	DATE	CHANGE	BY/APP.
x2 M2	19.05.11	ICF LATEST DRG. RELEASED. ECN. NO. 90600556	N.R. N.S.C

③ 7/2002 — DRG. REDRAWN IN CAD. — SSE/D-Sd-SME/BD

② 6/2000 — ASSY.DRG. NO. EMU/M-0-5-048 ADDED. — SSE -Sd. SME/BD

▽ ROUGH MACHINED
▽▽ FINISH MACHINED
▽▽▽ FINE FINISH MACHINED

01 ROUGH CLEANED
18 CHAMFERED

ⓕ 04/2008
QTY. FOR ITEM-4 IN COL.I ALTD. FROM 32 TO 112. COL.II AND ASSY. DRG. NOS. EMU/M-3-1-011, EMU/M-3-2-063, EMU/M-3-2-067, AC/EMU/M/ASR-0-3-001 & DMU/DPC-0-3-007 ADDED. ITEM-3 AND ASSY DRG. NOS. EMU/M-3-1-008, EMU/M-3-2-019, EMU/M-3-2-059 & EMU/M-0-3-079 DELETED.
SSE/D AME/D

ALTERATIONS

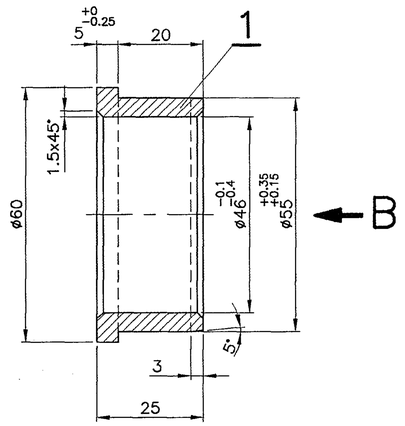
ⓐ 6/90
FOR ITEMS-1,2&9, INNER DIA. ALTD. FROM $45^{+0.4}_{+0.1}$ TO $46^{-0.1}_{-0.4}$ FOR ITEMS-3 TO 8, TOLERANCE ON INNER DIA. ALTD. FROM $^{+0.4}_{+0.1}$ TO $^{+0.7}_{+0.4}$. ITEM-10 ADDED WITH ASSY. DRG. NO. EMU/M-0-3-079.
SD: -Sd.

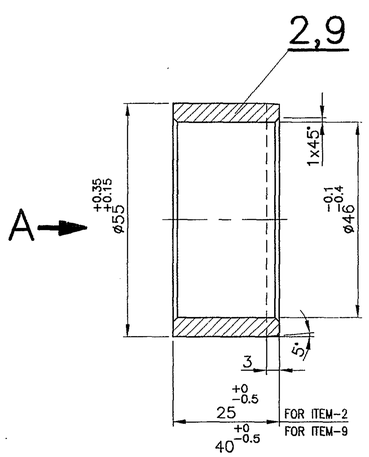
ⓑ 9/98
INNER DIA FOR ITEMS-6&7 ALTD. FROM ø23 TO ø24. RM SIZE ALTD. ACCORDINMGLY.
SD Sd. SME/BD

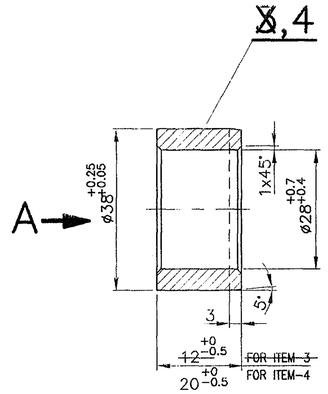
ⓒ 12/98
DRG. NO. EMU/M-3-2-061 DELETED FROM'SUPERSEDED BY' COL.
SD Sd. SME/BD

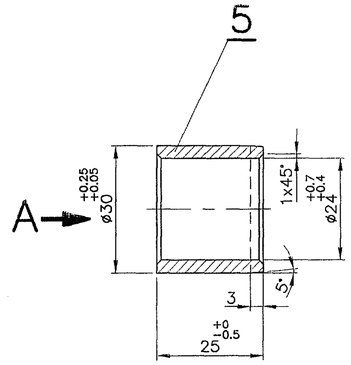
ⓓ 4/2000
NOTE-1 DELETED FOR ITEMS-1 TO 10. MAT. SPEC. UPDATED.
SSE/D Sd. SME/BD

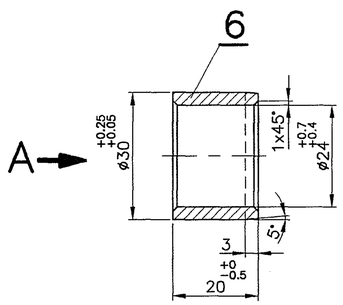
ⓔ 10/2004
MAT.SPEC.FOR ITEMS- 1 TO 10 ALTD. FROM RDSO SPEC. C8107 TO RDSO SPEC.WD-04-NYLON BUSHES-2002. NOTE-3 & VIEW FROM A&B ADDED.
SSE/D.-Sd-30-10-04 AME/D

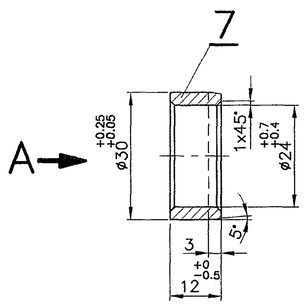


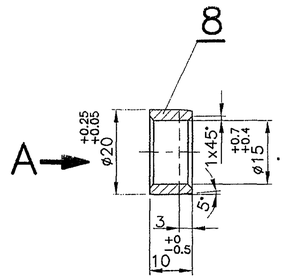


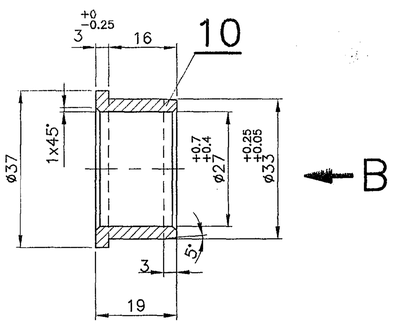










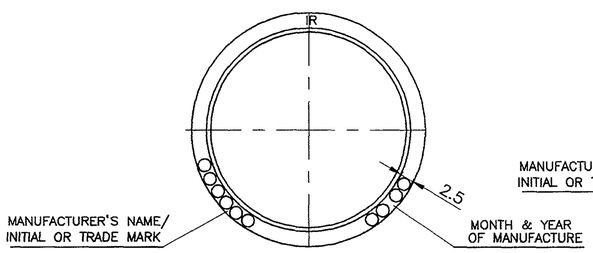


NOTE:

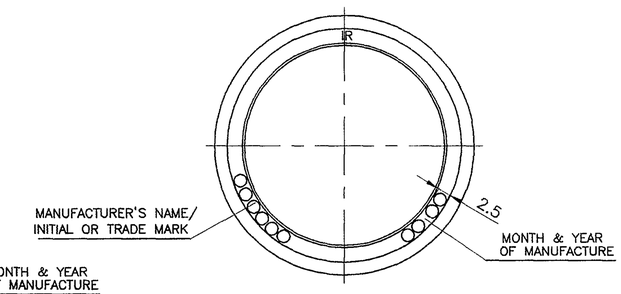
1.
2. DRG. NOS. GIVEN IN REMARKS COL. ARE EQUIVALENT STEEL BUSHES.
3. MARKING SHOWN IN THIS DRAWING SHALL BE DONE BY GROOVING OR INDELIBLE INK.

△ EMU/M, DC/EMU/M

○ ALL 20.32 TONNES BOGIES FITTED WITH AIR SPRINGS IN SECONDARY SUSPENSION



VIEW FROM-A



VIEW FROM-B

NO OFF IV	III	II	I	DESCRIPTION & DIMENSIONS	ITEM	REF.DRG	MAT.&SPEC.	WEIGHT/UNIT	REMARKS
		16	16	BUSH ø37/ø27 x 19	10		RDSO SPEC.WD-04-NYLON BUSHES-2002		EMU/M-0-3-079/2
		16	16	BUSH ø55/ø46 x 40	9				EMU/M-0-5-042
		32	48	BUSH ø20/ø15 x 10	8				EMU/M-3-2-042
		112	112	BUSH ø30/ø24 x 12	7				EMU/M-3-2-043
		48	48	BUSH ø30/ø24 x 20	6				EMU/M-0-3-063
		24	24	BUSH ø30/ø24 x 25	5				EMU/M-3-2-010
		112	112	BUSH ø38/ø28 x 20	4				EMU/M-3-2-008/2
			80	~~BUSH ø38/ø28 x 12~~	~~3~~				~~EMU/M-3-2-008/1~~
		16	16	BUSH ø55/ø46 x 25	2				EMU/M-3-2-009
		32	32	BUSH ø60/ø46 x 25	1				EMU/M-3-1-005

GROUP: BOGIE BRAKE ARRGT. (3-2)

SUPERSEDED BY

SUPERSEDES EMU/M-3-2-060 ALT.e/3

NYLON BUSHES
FOR EMU/M COACH

SCALE		
1:1	SSE/D	N. Bhaskar Rao
	CHD	R. Arumugam
	ALT	R. Muralidar
	DRN	S. Jamardhanam
ALT.	f	

CAD FILE: C:\MD-CAD\089\3-2\060-SF03.DWG

INTEGRAL COACH FACTORY CHENNAI - 600 038 M2

DATA CODE NO. 089

INDIAN RAILWAY STANDARDS

SHEET 1 OF 1

EMU/M-3-2-060

FORM IR A2 600 x 420

ASSEMBLY DRAWINGS

DMU/DPC-0-3-007	
AC/EMU/M/ASR-0-3-001	
EMU/M-3-2-063	
EMU/M-3-2-067	
EMU/M-3-1-011	
~~EMU/M-0-3-079~~	
EMU/M-0-5-048	
EMU/M-3-2-011	
EMU/M-3-2-015	
EMU/M-0-3-041	
EMU/M-3-2-050	
EMU/M-3-2-049	
EMU/M-0-3-066	
DC/EMU/M-0-3-008	
~~EMU/M-3-2-019~~	
~~EMU/M-3-2-059~~	
EMU/M-3-2-007	
EMU/M-3-2-003	
EMU/M-3-2-002	
~~EMU/M-3-1-008~~	

	ALT.	DATE OF LATEST ALTN	DATE OF FIRST ISSUE	AME/D
3		30-4-08	6-1990	