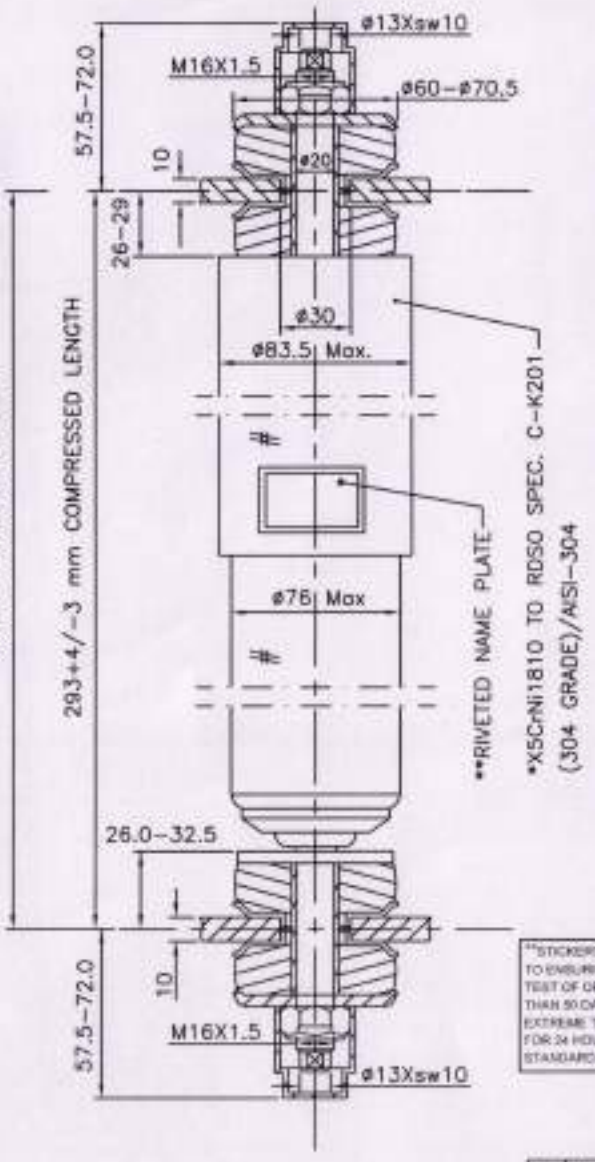

DAMPER TESTING AT 26°±5°C

1	STROKE	50	mm
2	NO. OF REVOLUTIONS	115	min–1
3	VELOCITY	0.30	m/s
4	FORCE	4250±15% (WITHOUT ATTACHMENT) OR 4250±20% (WITH ATTACHMENT)	N
5	CARDANIC ANGLE	±8° (Min.)	DEG

NOTE:–

1. Marking Particulars

MARKING ON RIVETED NAME PLATE	PUNCHED/ENGRAVE MARKING ON DUST COVER/CASING TUBE (#)
* NAME OF THE MANUFACTURER. * MONTH & YEAR OF MANUFACTURING. * MANUFACTURER PART NUMBER. * SERIAL NO. OF DAMPER. * NOMINAL FORCE & NOMINAL VELOCITY. * NAME/TYPE OF DAMPER AS MENTIONED IN RDSO DRAWING ALONGWITH RDSO DRAWING NUMBER.	* NAME OF MANUFACTURER OR CODE. * MONTH & YEAR OF MANUFACTURING. * MANUFACTURER PART NUMBER. * NOMINAL FORCE & NOMINAL VELOCITY. * NAME/TYPE OF DAMPER AS MENTIONED IN RDSO DRAWING.

2. ENGRAVED/PUNCHED MARKING IN 10 TO 8 MM HEIGH LETTERS WITH MINIMUM DEPTH OF 0.25 MM.
3. DURING FITMENT ON BOGIE, NAME PLATE SHOULD BE DIAMETRICALLY OPPOSITE TO ENGRAVING / PUNCHING.
4. PAINT SHADE TO RAL 7012 (BASALT GREY) ON DAMPER ALONGWITH DUST COVER.
5. SUPPLIER SHOULD SPECIFY THE AXIAL STIFFNESS AT END CONNECTIONS IN THEIR DRAWING ALONG WITH PROPER TOLERANCE AND SUBMIT THE DRAWING FOR APPROVAL.
6. SUPPLIER SHOULD VISIT ANY PU/WORKSHOP/RAILWAY TO SEE THE INTERFACES IN THE BOGIE/COACH, BEFORE DESIGNING NEW DAMPER OR MAKING ANY CHANGE IN DRAWING/DESIGN OF EXISTING DAMPERS.
7. *ANY ALTERNATE MATERIAL OF DUST COVER CAN BE ACCEPTED, IF IT QUALIFIES THE SURFACE PROTECTION CRITERIA MENTIONED IN RDSO SPECIFICATION RDSO/CG–18005 REV. 1 OR LATEST.
8. ANY ALTERNATE DESIGN OF END HOLDING ARRANGEMENT (INSTEAD OF EXTERNAL FLAT END OF WIDTH 10 MM) CAN BE ACCEPTED WITH PROPER JUSTIFICATION BY SUPPLIER.

**STICKERS WITH MINIMUM SERVICE LIFE OF 6 YEARS MAY BE PERMITTED, SUBJECT TO ENSURING SCRATCH RESISTANCE TEST, INFLUENCE OF DETERGENT TEST, IMPACT TEST OF OBJECTS, TROPICAL ENVIRONMENT TEST (40°C & 98 % HUMIDITY FOR MORE THAN 50 DAYS), EXTREME TEMPERATURE TEST (75°C FOR MORE THAN 48 DAYS), EXTREME TEMPERATURE CHANGE TEST (6 CYCLES: 100°C FOR 24 HOURS AND –40°C FOR 24 HOURS), SALT SPRAY TEST (AT LEAST 1200 HRS) AS PER APPLICABLE STANDARDS AND SUBMITTED THE TEST REPORT TO RDSO.

ALT.	DESCRIPTION	DATE
3	MARKING HEIGHT AND DAMPER TESTING TEMPERATURE MODIFIED.	23.08.23
2	MARKING PARTICULARS CORRECTED AS PER REVISED SPECIFICATION.	07.08.23
1	PROVISION OF ALTERNATE DESIGN OF END HOLDING ARRANGEMENTS & STICKER AS ALTERNATE OF RIVETED NAME PLATE, ALTERNATE MATERIAL OF DUST COVER, MODIFICATION IN TOLERANCE OF DAMPING FORCE, REMOVE THE HEIGHT OF LETTERS ON NAME PLATE & THICKNESS OF BARREL TUBE.	13.10.21

ITEM	DESCRIPTION & DIMENSIONS	No. OFF	REF.DRG.	WT. OF ONE (KG)	MTL & SPEC.	REMARKS
1	DAMPER					

SUPERSEDED BY:–
ASSEMBLY DRGS. SUPERSEDES
REFERENCE:–
COC NO.:–

SCALE 1:2 — P, C, D — J.S. VDG/IN 2025

B.G. | R.D.S.O. (CG)

INDIAN RAILWAYS
LHB TYPE COACHES
PRIMARY VERTICAL DAMPER FOR ALL LHB COACHES FITTED WITH FIAT BOGIES

RDSO/CG/DRG/21047