



END VIEW OF PIN

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	8000±15% (WITHOUT ATTACHMENT) OR 8000±20% (WITH ATTACHMENT)	N
5	TORSIONAL ANGLE	±22° (Min.)	DEG
6	CARDANIC ANGLE	±10° (Min.)	DEG

NOTE:-

1. Marking Particulars

MARKING ON RIVETED NAME PLATE	PUNCHED/ENGRAVE MARKING ON DUST COVER/CASING TUBE (#)
<ul style="list-style-type: none"> * 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. 	<ul style="list-style-type: none"> * 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.

- ENGRAVED/PUNCHED MARKING IN 10 TO 8 MM HEIGHT LETTERS WITH MINIMUM DEPTH OF 0.25 MM.
- XX-SURFACES ZINC PLATED & FREE OF PAINTING.
- DAMPER IS MOUNTED IN HORIZONTAL POSITION.
- DURING FITMENT ON BOGIE, NAME PLATE SHOULD BE DIAMETRICALLY OPPOSITE TO ENGRAVING / PUNCHING.
- PAINT SHADE TO RAL 9005 (JET BLACK) ON DAMPER ALONGWITH DUST COVER.
- MANUFACTURER SHOULD ENGRAVE THE WORD "DOWN" / "BELOW" ON THE FACE OF CASING TUBE WHICH WILL BE TOWARDS GROUND / FLOOR DURING FITMENT (SIZE OF ENGRAVING : MIN. 10 MM).
- SUPPLIER SHOULD SPECIFY THE RADIAL STIFFNESS OF END CONNECTIONS IN THEIR DRAWING ALONG WITH PROPER TOLERANCE AND SUBMIT THE DRAWING FOR APPROVAL.
- TEST ANGLE OF DAMPER SHOULD BE 10 DEGREE FROM HORIZONTAL AXIS.
- 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.
- *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.

**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 (70°C FOR MORE THAN 46 DAYS), EXTREME TEMPERATURE CHANGE TEST (8 CYCLES: 100°C FOR 24 HOURS AND - 45°C FOR 24 HOURS), SALT SPRAY TEST (AT LEAST 1200 HRS) AS PER APPLICABLE STANDARDS AND SUBMITTED THE TEST REPORT TO RDSO.

3	MARKING HEIGHT AND DAMPER TESTING TEMPERATURE MODIFIED.	25.06.25
2	MARKING PARTICULARS & COLOUR CORRECTED AS PER REVISED SPECIFICATION.	07.08.23
1	PROVISION OF ALTERNATE MATERIAL OF DUST COVER & STICKER AS ALTERNATE OF RIVETED NAME PLATE, MODIFICATION IN TOLERANCE OF DAMPING FORCE, REMOVE THE HEIGHT OF LETTERS ON NAME PLATE & THICKNESS OF BARREL TUBE, MODIFICATION IN COLOUR SCHEME OF DAMPER.	12.10.21
ALT.	DESCRIPTION	DATE

1	DAMPER					RDSO/CG-18005 REV. 1
ITEM	DESCRIPTION & DIMENSIONS	No. OFF	REF.DRG.	WT. OF ONE (KG)	MTL & SPEC.	REMARKS
SUPERSEDED BY:-		INDIAN RAILWAYS				
ASSEMBLY DRGS. SUPERSEDED:-		LHB TYPE COACHES				
REFERENCE:-		SECONDARY LATERAL DAMPER FOR FIAT BOGIES WITH AIR SPRING				
CDIC NO.:-		B.G.	R.D.S.O. (CG)	RDSO/CG/DRG/21049		