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संरक्षा विभाग
SAFETY DEPARTMENT
दक्षिण पूर्व मध्य रेलवे, बिलासपुर छ.ग.)
495004
SOUTH EAST CENTRAL RAILWAY, BILASPUR (C.G.) 495001
email: cso@secr.railnet.gov.in



एक कदम स्वच्छता की ओर

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Sub : Axle box & bolster clearances in coaching trains (ICF coaches)

Axle box & bolster clearances of coaching trains (ICF coaches) are playing vital roles for smooth negotiations on curves and crossovers of track.

1. Axle box clearances

1.1 Axle box crown clearance (clearance between axle box crown to Safety bolt of bottom of side frame) : Various crown clearances are given for various types of coaches (Refer Maintenance manual for coaching stock chapter 01, page 10-14 of 41).

1.2 Axle box lug clearance (clearance between axle box wing lug to bottom of safety starp): The axle box lug clearances should be 40 mm. (Refer Maintenance manual for coaching stock chapter 03, Para 319d.vi)


1.3 Wooden packing in axle box should be given according wheel diameter (Refer Maintenance manual for coaching stock chapter 03, Para 319d.iii table 3.18) to adjust buffer heights.

Average tread diameter of two wheel sets of bogie	Thickness of hard packing ring
889 to 864 mm	13mm
863 to 840 mm	26mm
839 to 820 mm	38mm
819mm	48mm

2. Bolster clearances

2.1 Bogie frame bolster clearance (clearance between bottoms of bogie frame to bolster) should be 40+/- 5 mm under tare condition. (Refer Maintenance manual for coaching stock chapter 01, page 10-14 of 41).

2.2 Body bogie clearance (clearance between bottoms of body to top of bogie side frame) should be 70 +/-5mm under tare condition. (Refer Maintenance manual for coaching stock chapter 01, page 10-14 of 41).


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(C.Chinnaiah)
ASO/Mech
For PCSO/SECR

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