

REASONED DOCUMENT ON COMMENTS OF BEARING & FELT RING MANUFACTURER'S, RAILWAYS & PU'S ON AMENDMENT SLIP NO. 1 OF JUNE 2016 TO RDSO SPECIFICATION NO. RDSO/2007/CG-09 FOR FELT SEALING RINGS FOR SPHERICAL ROLLER BEARING AXLE BOXES OF ICF TYPE COACHING STOCK. (TENTATIVE)

Clause No.	Amendment Slip No.1 to RDSO Spec. No. RDSO/2007/CG-09 (Tentative)	M/s FAG	M/s NEI	M/s Mullick Felt Industry, Howrah	M/s James Walker Inmarco India Pvt. Ltd., Mumbai	Zonal Railways & PU's	Remarks/Decision of RDSO
2.1.1	<p>Ingredient</p> <p>The felt should be made from pure white sheep wool free from all foreign materials and cell wool. The content of white sheep wool and cell wool shall be 70% and 30% respectively. In case of 70:30 blend of white sheep wool and cell wool, the sheep wool content shall be 70%±3 (i.e. white sheep wool percentage shall be from 67% to 73%) and remainder shall be cell wool. Alternatively, the imported felt should be made from blended pure white sheep wool and cell wool conforming to proprietary grade "Neu-Filz 219".</p>	Nil	Nil	Nil	Nil	Nil	M/s FAG, NEI, Mullick Felt Industry, M/s James Walker Inmarco India Pvt. Ltd., zonal Railways & PU's has not offered any comment on this clause. Hence, no change required in this clause.

COMMENTS OFFERED BY ICF/CHENNAI ON CLAUSES OTHER THAN OFFERED FOR AMENDMENT SLIP NO.1 OF JUNE 2016.

Clause No.	Amendment Slip No.1 to RDSO Spec. No. RDSO/2007/CG-09 (Tentative)	Comments of ICF/Chennai	Remarks/Decision of RDSO
2.2.1	<p>Density:</p> <p>The density of felt shall be 0.36±10% gm/cm³.</p>	<p>ICF vide their letter no. MD/D/RB/46 dated 25.07.2016 forwarded the NWR letter No. NWR/HQ/M/WS/Store/19 Vol.I dated 11.03.2014 containing suggestion as below:</p> <p>"The reduce density of felt 0.46 gm/cm³ to 0.36±10% gm/cm³ will adversely affect quality of felt ring and will also result in significant increase in sick marking of coaches due to grease oozing."</p>	<p>In view of performance analysis provided by MTN Workshop/CR and problem of grease oozing from axle boxes of ICF design Coaches highlighted by PL Workshop/WR during visit of MRS/Railway Board on 17.12.2019, the comments of ICF/Chennai & NWR is accepted. The existing clause No. 2.2.1 of this specification is modified as below:</p> <p>"The density of felt shall be 0.46±10% gm/cm³."</p>