

भारत सरकार – रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226011
Tele/Fax : 2465754 & 42226 (Rly)
e-mail : dse4cs@gmail.com



Government of India
Ministry of Railways
Research, Designs & Standards
Organization,
LUCKNOW - 226011



No.EL/3.1.35/12

Date 18/11/2019

- (i) M/s Acla Werke, Frankfurter STR 142-190 KOLN D-51065, Germany.
(Through Indian Representative)
M/s. R.S.Technologies, 247, Dum Dum Park, 2nd floor, near 2 no. tank,
Kolkata-700 055. (Email: rstechnologies3@gmail.com)
- (ii) M/s Avadh Rail Infra Ltd., D-12, Industrial Area, Amausi, Lucknow- 226008.
- (iii) Sequoia safety products Pvt. Ltd., 4, pocket-1, Jasola, New Delhi-110015
- (iv) M/s Electroplast, 1/34, South side G. T. Road, Industrial Area, Ghaziabad-201001.

Sub: Revision of RDSO drawing no. SKEL-4717 Alt-3 for Elastic ring used on three phase drive electric locomotives.

RDSO drawing for Elastic ring has been revised in connection with revision of specification. In the revised specification and drawing the permissible deflection at 90kN in the load deflection test has been changed to 5.7±1.3 mm. The revised specification no. RDSO/2007/EL/SPEC/0053(Rev '1') has already been issued vide this office letter of even no. dated 13.9.2019.

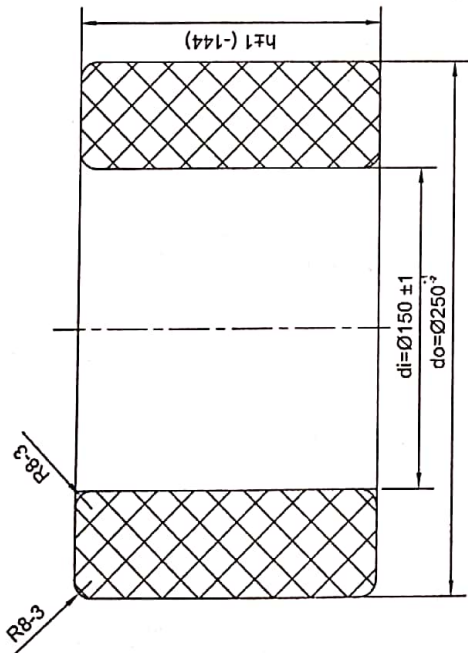
A copy of revised drawing no. SKEL-4717 Alt-4 is enclosed herewith for your kind information and necessary action please.

G.K.
18.11.2019
(Girraj kishore)
Dy. Director/Elect (Mech)
for Director General/ Electrical

Encl: Copy of drawing no. SKEL-4717 Alt-4
Copy to:

1. The Secretary (Traction), Railway Board, New Delhi-110 001.
(Kind Attn: Sri A. K. Goswami Dir/TRS)- for kind information please.
2. **Principal Chief Electrical Engineer,**
 - i. Central Railway, Mumbai, CST-400 001.
 - ii. East Central Railway, Hazipur-844 101.
 - iii. East Coast Railway, Chandrashekharpur, Bhubaneswar-751 016.
 - iv. Eastern Railway, Fairlie Place, Calcutta-700 001.
 - v. North Central Railway, Block-A, Subedarganj, Allahabad- 211 033.
 - vi. Northern Railway, Baroda House, New Delhi-110 001.
 - vii. North Western Railway, Jaipur- 302 006
 - viii. North Eastern Railway, Gorakhpur-273001
 - ix. North East Frontier Railway, Maligaon, Guwahati-781011
 - x. South Central Railway, Secunderabad-500 071.
 - xi. South East Central Railway, Bilaspur-495 004.
 - xii. South Eastern Railway, Garden Reach, Kolkata-700 043.
 - xiii. Southern Railway, Park Town, Chennai-600 003.
 - xiv. South Western Railway, Hubli- 580020
 - xv. West Central Railway, Jabalpur-482 001.
 - xvi. Western Railway, Churchgate, Mumbai-400 020
 - xvii. Chittaranjan Locomotive Works, Chittaranjan-713 331
 - xviii. Diesel Locomotive Works, Varanasi-221 004

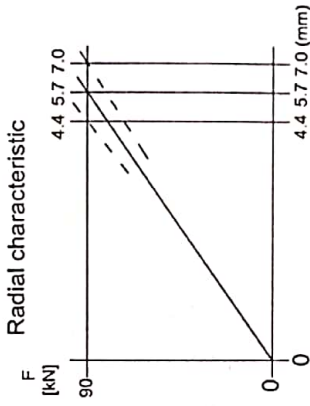
For kind
information and
necessary action
please



The value of h depends on the actual sizes of di and do and results from the term.

$$h \text{ [mm]} = \frac{5760000 \text{ mm}^3}{d_o^2 \cdot d_i^2}$$

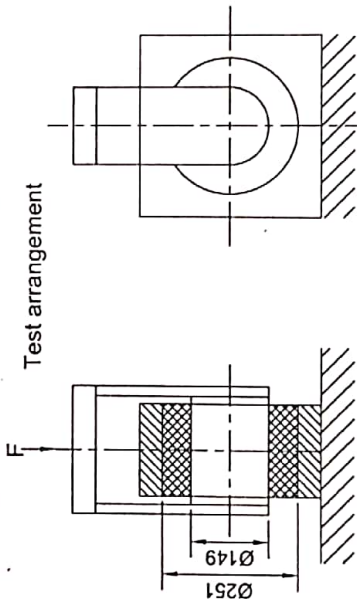
* The value corresponds to a volume of 4489 cm³



- ① Acceptance criterion 90 kN/6.0 ± 1.0 mm
- ④ Acceptance criterion 90 kN/5.7 ± 1.3 mm

NOTE :-

- ② 1. This drawing is to be used in conjunction with RDSO's specification No. RDSO/2007/EL/SPEC/0053 (Rev-1)
- ③ 2. Weight of Elastic Ring shall be 5.4 ± 0.45 kg.
- 3. All dimensions are in mm.



Side View

Front View

DT.	18.09.19
D	<i>Pa</i>
C	<i>Symon</i>
T	

STATUS	ALT.	REF. NO	DESCRIPTION	APPD. BY	DATE
4			Load deflection changed		18.09.19
3			Change in weight of elastic ring		03.06.15
2			Specification No. corrected in Note No. 1		15.10.14
1			Loco deflection changed suitable to 2300H		30.07.10

REF.	PART NO	DESCRIPTION	DETAIL DRG. NO.	NO. LOCO	MATL.	SPEC.
REF. ABB DRG. NO. IA016 - 00004 (Rev. 3)						
SCALE - N.T.S.			APPD. BY. <i>G. W.</i>		(For Dg)	
ELASTIC RING						FIRST ISSUED
USED FOR THREE PHASE DRIVE ELECTRIC						SUPERSEDES
LOCOMOTIVE - WAP 5, WAP 7 & WAG 9						
R.D.S.O. ELECT. DTE.			SKEL 4717		(AIR - 4)	