



**QM-C-7.1/AB/0023**  
**Inspection Plan(Check Sheet)**

**Item:** 'L' Type Composition Brake Block  
for Diesel & Electric Locomotives  
**Specn. :** MP.0.01.00.04 Rev 08 Oct'09  
**Amd.:**  
**Drg. No. & Alt.:** SK.DP-3650 Alt.1

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1. Firms Name :
2. Date (Period) of Inspection :
3. Contract Details :
  - a. Contract no. and date :
  - b. Order placing authority :
  - c. Specification No. :  
(as mentioned in contract)
  - d. Drawing no. :  
(as mentioned in contract)
4. Quantity on order :
5. Quantity offered for inspection :
6. Date of offering for inspection :
7. Consignee :
8. Delivery Period :
9. Extended Date of Delivery Period :  
(If any)

Signature of firms Representative

Signature of RDSO Representative



## SUMMARY OF RESULT

Lot Size 1000 nos. or part thereof: .....

Lot No.: .....

**(A) Periodical / Intermediate check:**

S.NO.	Name of Test	Specified	Last test done	Next test due
1.	Dynamo meter	As per the QAP approved by Motive Power Directorate of RDSO & Specn.No. MP.0.01.00 .04 (Rev.8 of October 2009)		

**(B) Routine check :**

**\* (Routine check shall be conducted after ensuring the Periodical / Intermediate check is not over due)**

Sr.No.	Parameters	Specified Value	Observation
1.	Visual Check	No. surface cracks	
2.	Dimensional Check*	As per drawing	
3.	Physical Properties**		
	1. Compression modulus	As per Mfg. Approved QAP	
	2. Cross Braking Strength	As per Mfg. Approved QAP	
	3. Acetone extract	As per Mfg. Approved QAP	
	4. Ash Content / Loss on ignition	As per Mfg. Approved QAP	
	5. Hardness	As per Mfg. Approved QAP	
	6. Density	As per Mfg. Approved QAP	
	7. Back Plate Pull of Strength	As per Mfg. Approved QAP	
	8. Back Plate Strength	As per Mfg. Approved QAP	
	9. Bending Strength	As per Mfg. Approved QAP	
	10. Crushing Strength***	As per Mfg. Approved QAP	

\* Record dimension check results in the attached dimension record sheet.

\*\* Record physical properties check results in the attached physical properties record sheet.

\*\*\*Some of the manufacturer are doing crushing strength also, which is mentioned in their QAP.

Signature of firms Representative

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Dimension record sheet for <b>L Type Composition Brake Blocks</b> RDSO Drg No. : _____ Manufacturer's approved Drg No.: _____					Inspection Date : _____									
					Sample Size During developmental stage: 2% of lot size During regular supply: 1% of lot size									
Sl. No.	Criteria Specified	Nominal Dimn.	Measuring Device	*Gauge Ref.	1	2	3	4	5	6	7	8	9	10
1.	DISTANCE BETWEEN LUGS	260 +/-6/0	Special Gauge											
2.	CLIP/BACKET WIDTH	44 +/-1	Snap Gauge											
3	KEY HOLE HEIGHT IN CLIP	24 +2/-0	Plug Gauge											
4.	LUG HEIGHT	10+2/-0	Vernier											
5.	FRICTION MATERIAL RADIUS	R 550+10/-0	Radius Gauge											
6.	BACK PLATE RADIUS	R 460+15/-10	Radius Gauge											
7.	BRAKE BLOCK LENGTH	320 +5/-0	Snap Gauge											
8.	LUG WIDTH	35+1/-0	Snap Gauge											
9.	CLIP LENGTH	70 +6/-5	Snap Gauge											
10.	KEY HOLE WIDTH IN CLIP	27+1/-0	Plug Gauge											

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11.	BRAKE BLOCK WIDTH	85+0/-2	Snap Gauge	GBBG 049														
12.	BRAKE BLOCK THICKNESS	55+0/-2	Snap Gauge	GBBG 052														
13	BP THICKNESS	5+0/-1	Vernier															
14	Inclination	1:20 Inclination	Bevel Protector															
15.	RADIUS	R 15	Radius Gauge															
16.	MARKING ON BRAKE BLOCK	Marking as per RDSO DRG. NO. SKDP-3650, Alt.1	Visual															

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**Govt. of India**  
**Ministry of Railways**  
**Research Designs & Standards Organisation**  
**Manak Nagar, Lucknow-226 012**

<b>Physical properties record sheet for L-Type Composition Brake Blocks</b>	<b>SPEC.NO. MP.0.01.00.04 (Rev.8 of October 09)</b>	Lot Size:	Inspection Call No : / / /
		Sample Size :	Inspection date(s) :

Sl. .No.	TEST	UNIT	Specified (as per Approved QAP)	1	2	3	4	5	6	7	8	9	10
1.	Density	Gm/cc											
2.	Hardness	'R' Scale											
3.	Compression Modulus	Kg/mm <sup>2</sup> / N/ mm <sup>2</sup>											
4.	Cross Breaking Strength	Kg/Cm <sup>2</sup> Min.											
5.	Back Plate Pull- Off Strength	Ton.											
6.	Ash Contents	%											
7.	Acetone Extract	%											
8.	Black Plate Strength	-											
9.	Bending Strength	-											
10.	Crushing Strength	Ton											

Signature of firms Representative

Signature of RDSO Representative