



**QM-C-7.1/AB/0025**  
**Inspection Plan(Check Sheet)**

**Item:** Non-asbestos based low friction composite brake blocks  
for application on coaching stock  
**Specn. :** C-9907 (Rev.4 of May'2009 )  
**Amd.:**  
**Drg. No. & Alt.:** SK-99048, Alt.03

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1. Date (Period) of Inspection :
2. 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)
3. Quantity on order :
4. Quantity offered for inspection :
5. Date of offering for inspection :
6. Consignee :
7. Delivery Period :

Signature of Firm's Representative

Signature of RDSO



## SUMMARY OF RESULT

Lot Size 2000 nos.

(A) Periodical / Intermediate check :

S.NO.	Name of Test	Specified	Last test done	Next text due
1.	Dynamo meter	As per the QAP approved by RDSO & Spec.No. C-9907 (Rev.4)		

(B) Routine check :

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

Ensure clause 2.5, 2.7 & 4 of specification for inspection

Sr.No.	Parameters	Specified Value	Observation	
			Max.	Min.
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	As per Mfg. Approved QAP		
	5. Hardness	As per Mfg. Approved QAP		
	6. Density	As per Mfg. Approved QAP		
	7. Shear Strength	As per Mfg. Approved QAP		
	8. Bending test	As per Mfg. Approved QAP		

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				Sample size: Min. 20 nos. of every offered lot of 2000 nos. or part thereof										
Sl. No.	Criteria Specified	Nominal Dimn (mm).	Measuring Device	Gauge Ref. *	1	2	3	4	5	6	7	8	9	10
1.	Radius	580±15	Radius Gauge											
2.	Radius	480±15	Radius Gauge											
3.	BLOCK LENGTH	265 to 285	Gauge											
4.	Block Width	76 ±15	Gauge											
5.	Block Thickness	61.5 – 62.5	Gauge											
6.	Taper	1:20	Taper Gauge											
7.	Width of Key hole in clip	23.5 ±1	Gauge											
8.	HIGHT of KEY HOLE	22.5 ±1	Gauge											
9.	CLIP THICKNESS	4 - 6	Gauge											
10.	Lug Hight	8 - 10	Gauge											

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Sl. No.	Criteria Specified	Nominal Dimn. (mm)	Measuring Device	Gauge Ref.	1	2	3	4	5	6	7	8	9	10
11.	Clip Length	32 - 41	Gauge											
12.	Surface Length	230 min.	Gauge											
13.	Lug Width	29 ±0.5	Snap Gauge											
14.	Distance between Lugs	240 - 252	Gauge											
15.	Back Plate bridge / Clamp Length	52 ±1	Gauge											
16.	Wear Limit	10	Gauge											
17.	Radius	400 ±1	Snap Gauge											
18.	Bridge Hight	6 -8	Gauge											
19.	Radiu / Chamfer	R-15 +0/- 0.5 16x17 mm	Gauge											
20.	Side Relief	3 ±1	Gauge											
21.	MARKINGS ON BRAKE BLOCK	Marking as per RDSO Specs No C-9907, Rev.4	Visual											
22.	Block Weight	As given in firm's approved Drg.												

\* Gauge Ref. No. to be as per approved QAP of respective firm.

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Qty. Checked :	
Sample Size :	

Sl. No.	TEST	UNIT (as per approved QAP)	Specified (as per Approved QAP & Specn.)	1	2	3	4	5	6	7	8	9	10
1.	Density												
2.	Hardness												
3.	Compression Modulus												
4.	Cross Breaking Strength												
5.	Shear Strength												
6.	Ash Contents												
7.	Acetone Extract												
8.	Bending Strength												

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