



**QM-C-7.1/AB/0001/B**  
**Inspection Plan(Check Sheet)**

**Item:** Brake Cylinder (Wagon 355 mm)  
**Specn. :** 02-ARB-02, Appendix-B  
**Amd.:** 3 of April 2010  
**Drg. No. & Alt.:** WD-92051-S-06 Alt.5

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1. Firm's 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 on date :
6. Consignee :

RDSO Official  
Signature, name & stamp

QC Representative of the manufacturer



**7. Acceptance Criteria :**

Equipment Ready Yes / No  
D.P. within due date Yes / No

**7.1 Visual Check :**

Name Plate / S.No. punching / Any loose fitting OK/Not OK  
Openings plugged with PVC Plugs / Caps Yes / No.  
Visual Defects Yes / No.

**7.2 Performance Tests & Dimensional Check :**

Air / Hydraulic Pressure adequate Yes / No

**No.of Sets -**

**Qty. \_\_\_\_\_**

SL. NO.	TEST DESCRIPTION	MODE	SAMPLE SIZE	SPECIFIED PARAMETERS	OBSERVED VALUES					REMARKS
					1	2	3	4	5	
1.	<b><u>DIMENSIONAL CHECKS</u></b>	GAUGE & INSTRUMENTS	2% Min. 2	304 ±0.5						With Gauge
				114/114						With Gauge
				70 ±0.2						With Vernier
				68 ±0.2						With Gauge
				275 +0.3/-0						With Vernier
				PCD						On Fixtures
				381 ±0.5						With Gauge
				201(g) ± 0.5						With Gauge
				355+0.25/-0						With Gauge
				Wt.70 Kg. APPROX						Weighing Bridge
							Measuring Tape			
				198±1.1/-0.5						
2.	<b><u>LEAKAGE TEST:</u></b> Check leakage for 10 minutes. a. Piston stroke 85mm at 0.7 Kg/cm <sup>2</sup> . b. Piston stroke 130mm & B.C.3.8Kg/cm <sup>2</sup> pr.	TEST RIG	10%	< 0.1 Kg/cm <sup>2</sup>						
3.	<b><u>HYDRAULIC TEST:</u></b> Hydraulic testing of cylinder body at 10Kg/cm <sup>2</sup> for 5 min.	TEST RIG	2% or 2 max	No leakage						

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8. 1% Brake Cylinders checked up per detailed drawings of RDSO :

S.NO.	SIZE SPECIFIED	ACTUAL	OK / NOT OK
1	Rp 1/2" THREADS		
2	Ø 36.0 ± 0.3		
3	Ø 40.0 ± 0.3		
4	354 +0/-0.3		
5	M12 THREADS		
6	Ø 82+0/-0.2		

9. **Painting :** Adequate Yes / No  
Anti Corrosive treatment to exteriors given Yes / No

10. **Packing :** Packed adequately Yes / No

11. **Calibration Status Checked** OK / Not OK

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