



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

Item: Brake Cylinder (Brake Van 300 mm)
Specn. : 02-ARB-02, Appendix-B
Amd.: 3 of April 2010
Drg. No. & Alt.: WD-92051-S-11 Alt.3

-
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 PARA-METERS	OBSERVED VALUES					REMARKS
					1	2	3	4	5	
1.	<u>DIMENSIONAL CHECKS</u>	GAUGE & INSTRUMENTS	2% Min. 2	814±5						With Gauge With Gauge With Vernier With Gauge With Gauge Measuring Tape Weighing Bridge
				114/114(g) 275± 3.0						
				20±0.2						
				44(g)						
				254(g)						
				OD-350						
				185(g)						
				300+0.25 -0.00						
				Wt 60 Kg Approx 814±5 (o)						
				163+1.1/-0.5						
2.	<u>LEAKAGE TEST:</u> Check leakage for 10 minutes. a. Piston stroke 85mm at 0.7 Kg/cm ² . b. Piston stroke 130mm & B.C.3.8Kg/cm ² pr.	TEST RIG	10%	< 0.1 Kg/cm ²						
3.	<u>HYDRAULIC TEST:</u> Hydraulic testing of cylinder body at 10Kg/cm ² for 5 min.	TEST RIG	10%	No leakage						

RDSO Official
Signature, name & stamp

QC Representative of the manufacturer



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 33.0		
3	Ø 43.0 +0.039/-0.050		
4	170±0.1		
5	M12 THREADS		
6	299.0+0.00/-0.30		
7	Ø 82.0 + 0.00/-0.20		

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

RDSO Official
Signature, name & stamp

QC Representative of the manufacturer