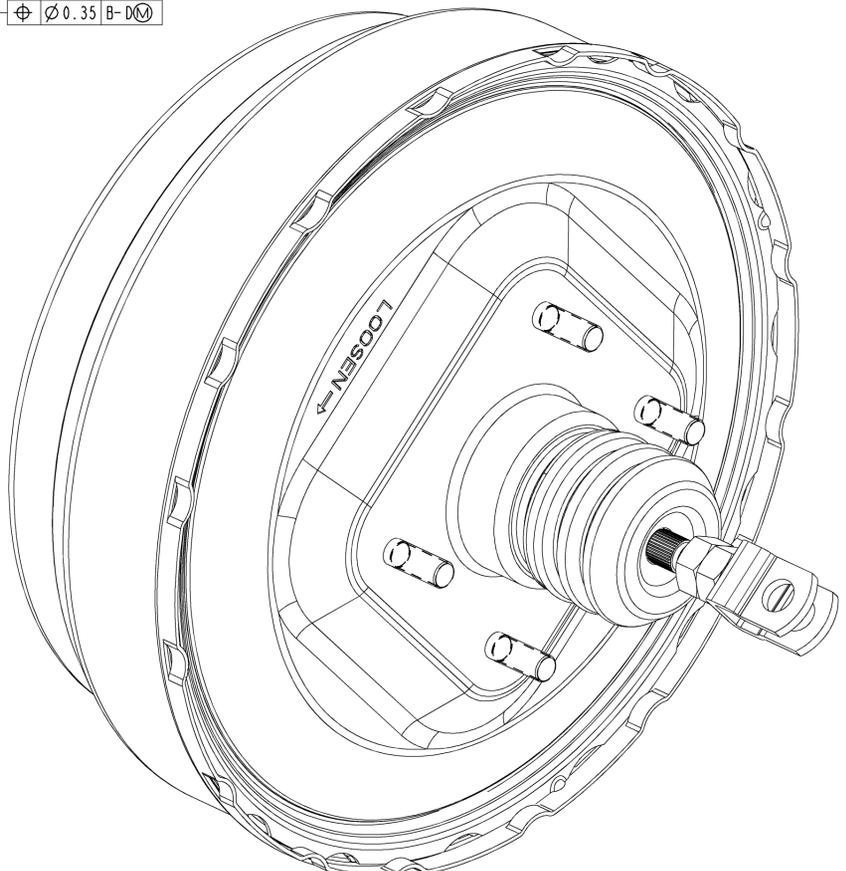
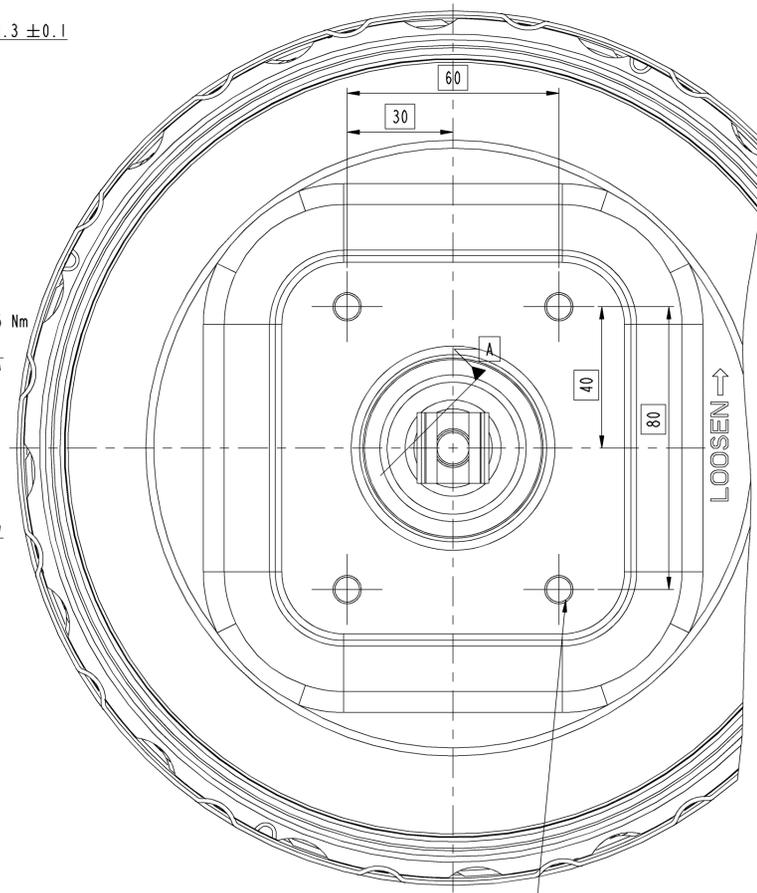
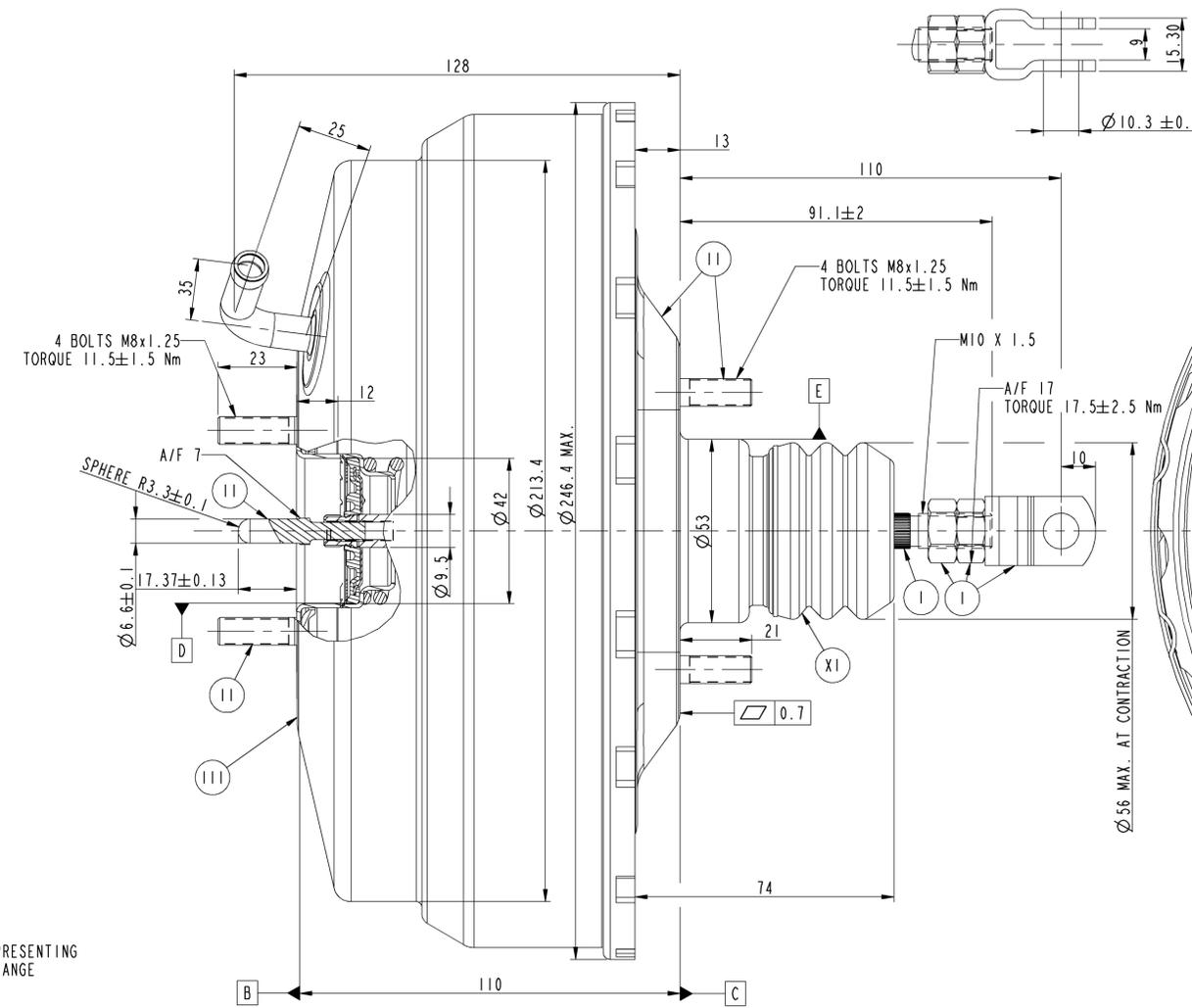
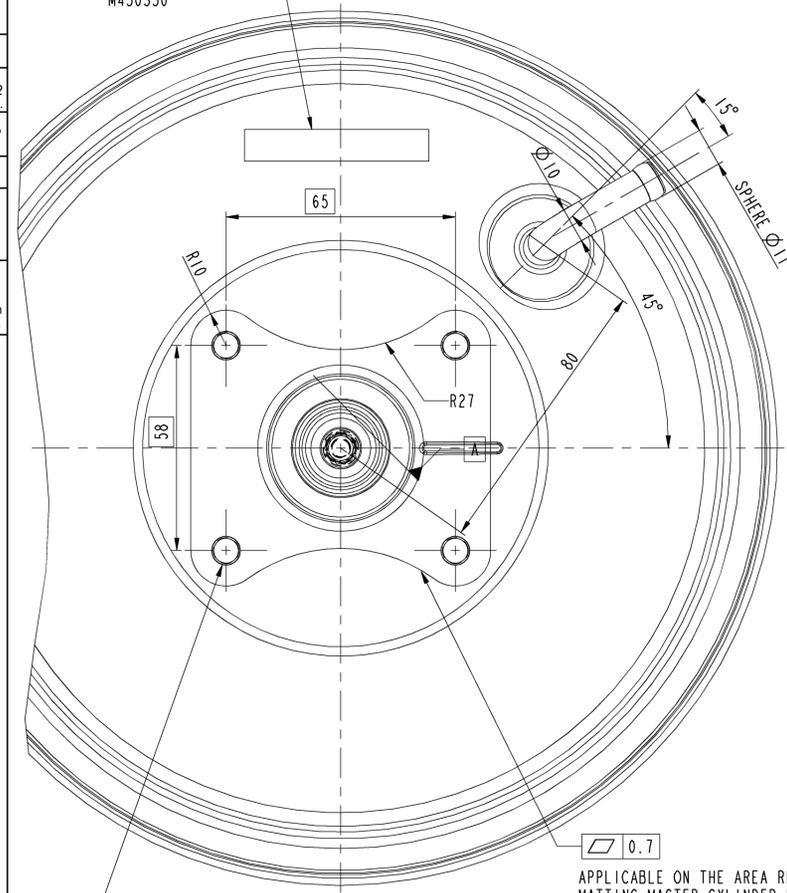
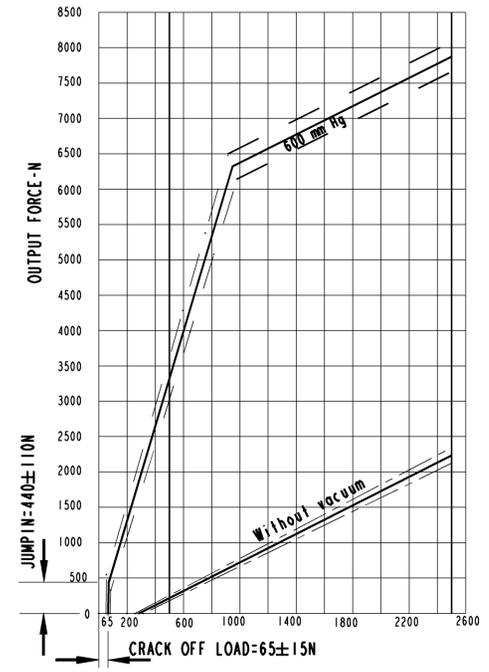


ENGINEERING CHANGES				
ECN No.	DATE	REV	SIGN	
8677	30.3.02	New	SD	
9086	8.5.03	1	AGM	Elbow position changed 15° and 45° added. PSSC Issue No. 3 was New
9110	10.6.03	2	AGM	Elbow position changed. (Rotated by 30° in clockwise direction)
9184	11.11.03	3	AGM	Torque 17.5±2.5 Nm was 40-35 Nm
9665	10.02.05	4	ASK	Dimension 91.1±2 and 74 were 92.4±2 and 73 respectively. Drawing redrawn.
9957	19.10.05	5	ASK	Note "Angle shift . . . 1° max" added. Drawing redrawn.
10224	28.05.06	6	ASK	PSSC Issue No. and date updated.
12083	16.03.11	7	RBS	Drawing template WABCO was WABCO-IVS (India) Ltd. Drawing pictorially modified inline with parts. Drawing redrawn.
12448	02.11.12	8	BK	Performance graph updated (Boost ratio changed to 6.7:1 from 5.7:1). Performance stroke length 10 mm was 23 mm. Drawing redrawn.

LABEL INDICATING ASSEMBLY PART No. M450350



INPUT FORCE Vs OUTPUT FORCE  
BOOST RATIO 6.7:1  
STROKE : 10 mm



NOMINAL DIAMETER 225 X 200 mm  
BOOSTER TO BE USED IN CONJUNCTION WITH MASTER CYLINDER WHOSE STROKE DOES NOT EXCEED 31 mm  
STANDOUT 17.37±0.13 mm MAINTAINED WITH AN APPLIED VACUUM OF 500 mm Hg.  
PRODUCT SPECIFICATION No. PSSC 144C, ISSUE No. 5, DATE 26.05.2006  
ANGLE SHIFT ALLOWED BETWEEN FRONT HOUSING AND REAR HOUSING BOLTS- 1° MAX.

XVII	STEEL	NO TREATMENT
XVI	CAST IRON	PLATED
XV	STEEL	ZINC IRON PLATED
XIV	CAST IRON	NO TREATMENT
XIII	ZINC ALLOY	ANODISED
XII	PLASTIC	NO TREATMENT
XI	RUBBER	NO TREATMENT
X	STAINLESS STEEL	NO TREATMENT
IX	BRASS	NO TREATMENT
VIII	ZINC ALLOY	CHROMATED
VII	ALUMINIUM ALLOY	ANODISED
VI	ALUMINIUM ALLOY	CHROMATED
V	CAST IRON	PAINTED
IV	STEEL	POWDER COATED
III	STEEL	PAINTED
II	STEEL	PHOSPHATED
I	STEEL	ZINC PLATED
PART MATERIAL CODE	SURFACE PROTECTION	

DRN	SIGN	DATE	MATERIAL	----
RR	RR	01.11.12	ALTERNATE MATERIAL	----
RK	RK	01.11.12	SURFACE PROTECTION	REFER TABLE
SN	SN	01.11.12	RAW PART No.	----

CONFIDENTIAL DRAWING  
THIS DRAWING IS THE SOLE PROPERTY OF WABCO. IT SHOULD NOT BE COPIED OR COMMUNICATED TO ANY PERSON WITHOUT THE WRITTEN APPROVAL OF WABCO.  
© 2002

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN mm.  
REMOVE BURRS AND SHARP EDGES FROM FINISHED PARTS. ALL DIMENSIONS ARE AFTER SURFACE PROTECTION/TREATMENT.  
MALE THREAD TO IS 14962 (PART3) 6H : 2001  
FEMALE THREAD TO IS 14962 (PART3) 6H : 2001

GENERAL TOLERANCES			
RANGE OF NOMINAL DIMENSIONS (± mm)			
≤ 50	50 - 180	180 - 400	> 400
1	2	3	4

SCALE 1:1

DOUBLE DIAPHRAGM VACUUM BRAKE VALVE

PART No. M450350 GA

**WABCO**  
AMBATTUR, CHENNAI - 600058, INDIA