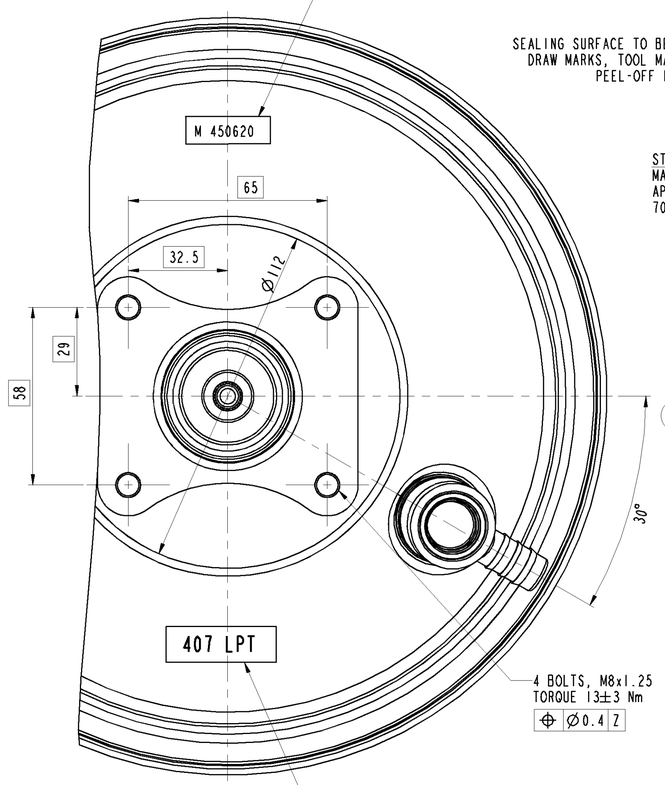
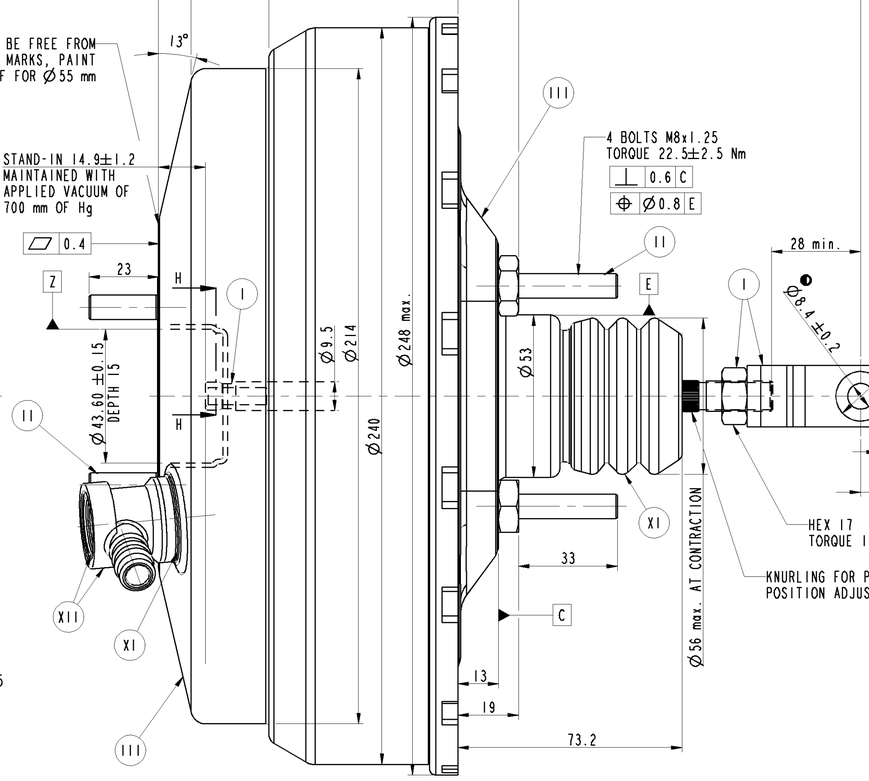
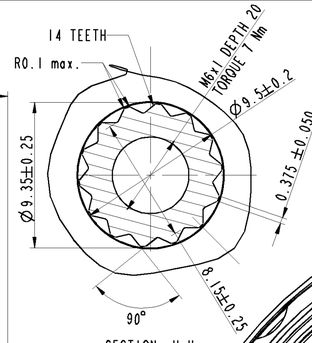
PART No. M 450620 GA

ENGINEERING CHANGES			
ECN No.	DATE	REV	SIGN
9665	10.02.05	New	ASK
9672	19.02.05	1	ASK
Identification label added. Drawing redrawn.			
10224	26.05.06	2	ASK
PSSC Issue No. and date updated.			
10343	25.08.06	3	ASK
DIM Ø43.60±0.15 was Ø43.65±0.15 Drawing redrawn.			
12083	16.03.11	4	RBS
Drawing template WABCO was WABCO-TVS (India) Ltd. Drawing pictorially modified inline with parts. Drawing redrawn.			
12632	09.10.2013	5	DPK
Drawing pictorially modified inline with parts diaphragm and cover. Drawing redrawn.			

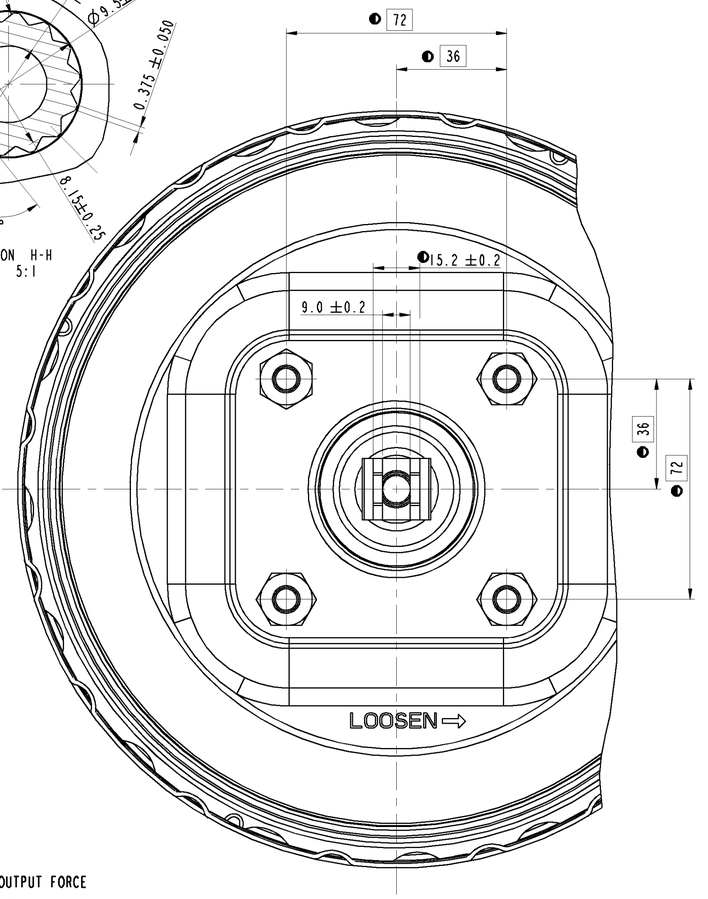
DO NOT SCALE IF IN DOUBT ASK

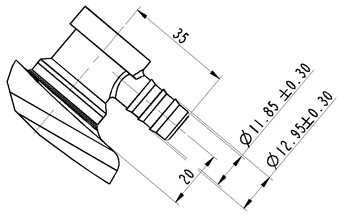


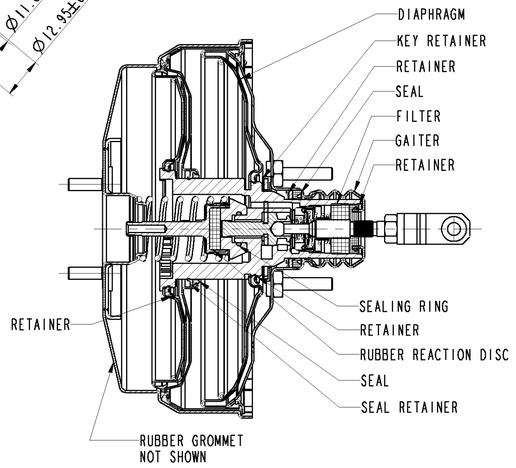




SECTION H-H
SCALE 5:1



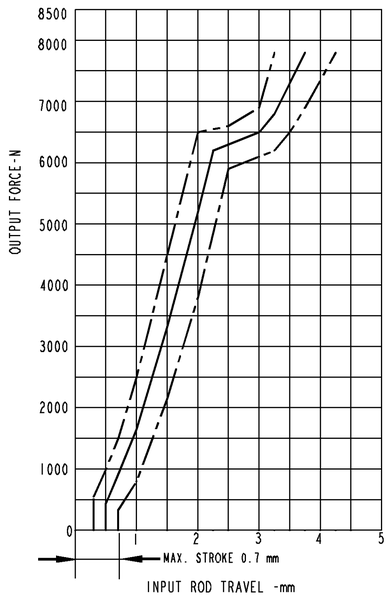




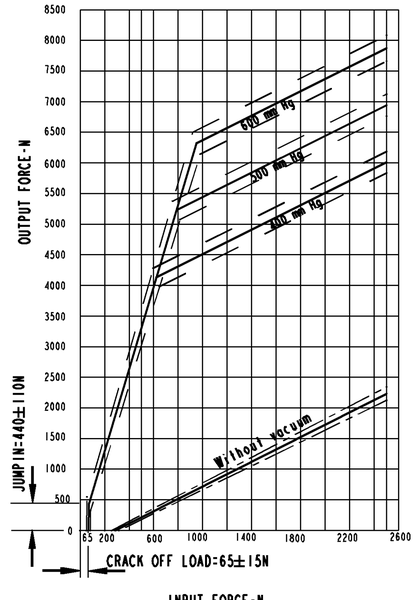
XVII	STEEL	NO TREATMENT
XVI	CAST IRON	PLATED
XV	STEEL	ZINC IRON PLATED
XIV	CAST IRON	NO TREATMENT
XIII	ZINC ALLOY	ANODISED
XII	PLASTIC	NO TREATMENT
XI	RUBBER	NO TREATMENT
X	STAINLESS STEEL	NO TREATMENT
IX	BRASS	NO TREATMENT
VIII	ZINC ALLOY	CHROMATED
VII	ALUMINIUM ALLOY	ANODISED
VI	ALUMINIUM ALLOY	CHROMATED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

MSP 45/13 REPAIR KIT CONSISTS OF ITEMS AS SHOWN AND M929560-GREASE SACHET 2 OFF

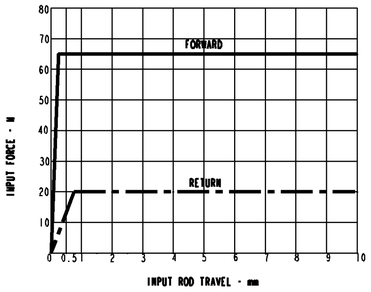
INPUT ROD TRAVEL Vs OUTPUT FORCE
STROKE:0 mm
600 mm OF Hg



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



INPUT ROD TRAVEL Vs INPUT FORCE
STROKE : 10 mm
600 mm OF Hg



NOTES:
VALVE WILL MEET THE REQUIREMENTS AS PER JASO C452
PRODUCT SPECIFICATION NO:PSSC 144C , ISSUE No.5, DATE:26.05.06
WEIGHT : 4.6 kg
NOMINAL DIAMETER 225 + 200 mm
HOUSINGS COLOUR : BLACK
MINIMUM STROKE : 30mm
MAXIMUM STROKE : 32mm
ARTICULATION TO OPERATING ROD IN ANY DIRECTION 3°
FOR CORRECT FUNCTIONING OF THE ASSEMBLY, THE BOOSTER INPUT ROD MUST FULLY RETURN TO ORIGINAL POSITION

● CRITICAL
◐ MAJOR
NO SYMBOL - MINOR

	SIGN	DATE	MATERIAL	----
DRN	TJ	09.10.2013	ALTERNATE MATERIAL	----
CHD	DPK	09.10.2013	SURFACE PROTECTION	REFER TABLE
APD	AGM	09.10.2013	RAW PART No.	----

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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)				∠	FORCE, POWER, PRESSURE etc.,
≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	(± °)	(± %)
1	2	3	4	3	10

100 mm

WABCO
AMBATTUR, CHENNAI - 600058, INDIA

SCALE 1:1

DOUBLE DIAPHRAGM VACUUM BRAKE VALVE

PART No. M 450620. GA