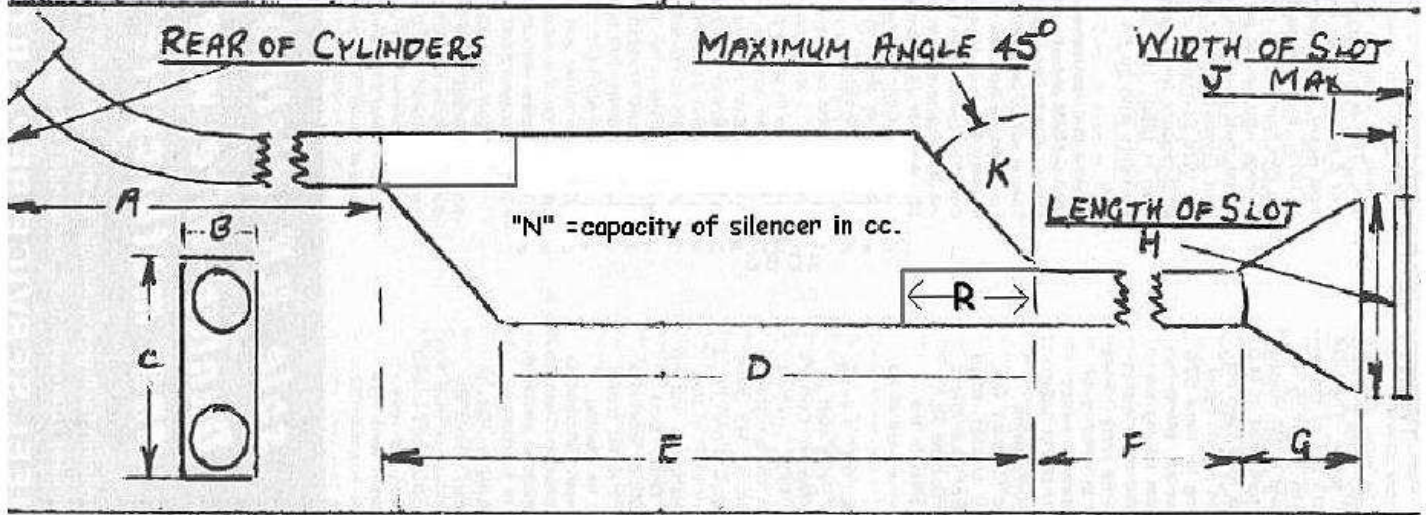


Dimensions of the Brooklands Silencer

from the MMM Yearbook



Dear Barry,

I am sure that, by now, you will have been inundated with questions to the answers on P.8 of the 1976 MMM Yearbook. If, however, you have not, I think I can give most of them, but they may not all be correct. They are, of course, from the Brooklands "Silencer Declaration" form, but the one I have is for motor-cycles, so is not the same completely. However, here goes:-

- Description of engine
- Manufacturer of engine
- No. of cylinders
- Bore and Stroke
- Cubic capacity
- No. of exhaust receivers fitted
- Area of exhaust valve port
- Diameter of exhaust valve port, if circular
- Length of pipe between rear of cylinders and receiver (This appears to be 'A' on the diagram, but not the same in all cases - curved pipes ?)
- Distance this pipe penetrates into receiver (minimum 2")
- Capacity of each receiver
- Distance tail pipe penetrates into receiver - (minimum 2")
- Internal diameter of exit pipe
- Distance between outside of inlet & tail pipes if some were continued into receiver (at the angle they enter) until they overlapped (Reg. 21 (e) calls for minimum of 1 1/2")
- (This is description of baffles on the m/c sheet) Probably internal diameter of inlet pipe.
- Description of any deflection plates or other fittings or baffles inside the receiver
- This could be actual length of tail pipe, as opposed to 'F' which may be projected length (!)
- Length of orifice of fish-tail (same as 'H')
- Width of orifice of fish-tail (same as 'J')
- Distance between centre of fish-tail orifice and joint at tail pipe where fish-tail branches off (same as 'G')
- Does rear end of fish-tail extend beyond centre line of back axle?
- Not sure about this - but suppose it is number of cylinders served by each part, as the only ones which are not 1 are the 'AA' headed Midgets, which had the 2 centre exhaust ports siamesed.

Yours Sincerely, ROBIN GORDON MMM 181

BROOKLANDS SILENCER

TYPE	M TYPE 1930	C TYPE 1931	C TYPE J TYPE HEAD	J4 TYPE	EX.127 SINGLE SEATER	K3 TYPE 1933	L TYPE 1933	L TYPE 300 Miles 1933	K3 1933	EX 135 1100 cc. Single Str. Seater	QA TYPE 1934	NE TYPE 1934	QA with Twin tail pipes	EX.135 with twin tail pipes	EX 127 Silencer for 500 mile race	RA TYPE 1935
Ques.																
1	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.
2	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.	M.G.
3	4	4	4	4	4	6	6	6	6	6	4	6	4	6	4	4
4	57x83 mm	57x73 mm	57x73 mm	57x73 mm	54x81 mm	57x71 mm	57x71 mm	57x71 mm	57x71 mm	57mm 71mm	57mm 73mm	57x83 mm	57x73 mm	57x71 mm	57x73 mm	57x73 mm
5	847cc	746cc	746cc	746cc	743cc	1087cc	1087cc	1087cc	1087cc	1087cc	746cc	121cc	746cc	1087cc	746cc	746cc
6	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2
7	1 0"	1 0"	1 16"	1 16"	1 0"	1 107"	1 0"	1 0"	1 05"	1 107"	1 05"	1 05"	1 05"	1 05"	1 05"	1 05"
8	1 5/8"	1 5/8"	1 7/32"	1 7/32"	1 5/8"	1 3/16"	1 1/8"	1 1/8"	1 5/32"	1 3/16"	1 5/32"	1 5/32"	1 5/32"	1 5/32"	1 5/32"	1 5/32"
9	18"	20"	20"	20"	12"	5"	44 1/2"	44 1/2"	6"	9"	5 1/2"	+6 -3"	13 4	-4 -6		20 1/4" 11"
10	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/8"	2 1/8"		2 1/8"	2 1/8"
11	2400cc	2400cc	2400cc	2400cc	2400cc	2802cc	2400cc	2400cc	2802cc	2802cc	2900cc	1375cc	1200cc		1200cc	*
12	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/8"	2 1/8"		2 1/8"	2 1/8"
13	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 1/8"	1 1/8"	1 1/8"		1 1/8"	1 1/8"
14	1 1/8"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/4"	1 1/4"	1 1/4"		1 1/4"	1 1/4"
15	1 5/8"	1 11/16"	1 11/16"	1 11/16"	1 11/16"	1 1/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 11/16"	1 1/4"	1 9/16"		1 9/16"	1 9/16"
16	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		Nil	Nil
17	55"	52"	52"	52"	47"	52"	46"	23 1/2"	63"	60"	67"	76" 86"			50" 62 1/2"	49 1/4" 54 1/4"
18	9"	9"	9"	9"	9"	12"	9"	9"	12"	12"	9"	9"	9"		9"	9"
19	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max		1/4"	1/4"
20	9"	9"	9"	9"	9"	12"	9"	9"	12"	12"	9"	9"	9"		9"	9"
21	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes
22	1.2.1	1.2.1	1.	1.	1.2.1	1.	1.	1	1	1	1	1	1		1	1
Dim.																
A	10"	7"	7"	7"	7"	5"	36"	44 1/2"	6"	9"	5 1/2"	+6 -3"	13 4		10 1	20 1/4 11
B	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 5/8"	3"	3"	2 5/8"	2 5/8"	2 1/4"	2 1/4"	2 1/4"		2 1/4"	2 1/4"
C	5"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5"	5"	5 1/4"	5 1/4"	5 1/4"	5 3/8"	5 3/16"		5 3/16"	5 3/16"
D	13"	13 1/4"	13 1/4"	13 1/4"	13 1/4"	16"	10 1/4"	10 1/4"	16"	16"	13 1/4"	9 5/8"	9 3/8"		9 3/8"	7 1/4"
E	16"	16 1/4"	16 1/4"	16 1/4"	16 1/4"	19 1/4"	14"	14"	19 1/4"	19 1/4"	16 1/4"	12"	11 5/8"		11 5/8"	11 5/8"
F	52"	46 1/2"	46 1/2"	46 1/2"	47"	52"	44"	23 1/2"	63"	60"	67"	76" 86"			50" 62 1/2"	44 1/4" 54 1/4"
G	9"	9"	9"	9"	9"	12"	9"	9"	12"	12"	9"	9"	9"		9"	9"
H	9"	9"	9"	9"	9"	12"	9"	9"	12"	12"	9"	9"	9"		9"	9"
J	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max	1/4" Max		1/4"	1/4"
K	45°	40°	40°	40°	40°	40°	45°	45°	40°	40°	40°	40°	40°		40°	40°