

5 • Special Mufflers

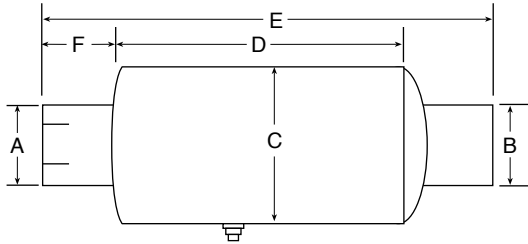


Spark Arresters	5-3
Pak Stacks	5-3
Resonators	5-4
Splitter Tee Resonator	5-4
Wye Connector Resonator	5-4
Stainless Steel Mufflers	5-4

Special Mufflers

Spark Arresters

- Designed for universal application with a minimum of restriction on the engine.
- They work well as add-on units to existing exhaust systems. Their lightweight and small size reduces stress and vibration to the rest of the exhaust system.
- Typical applications include logging and construction equipment, agricultural machinery, over-the-road trucks, airport equipment, forestry and military vehicles.
- All arresters exceed U.S. Forestry requirements, and are qualified and tested for vertical and horizontal installations under the U.S. Forestry Service Standard 5100-1b.
- All inlets are slotted tube connections. Outlets are O.D. tubing.



A (O.D.) in (mm)	B (O.D.) in (mm)	C in (mm)	D in (mm)	E in (mm)	F in (mm)	Max. Flow Rate		Part Number
						@ 2" Hg	@ 1" Hg	
1.05 (26.67)	1.25 (31.75)	4.24 (107.70)	3.20 (81.28)	5.90 (149.86)	1.30 (33.02)	88	62	49110U
1.50 (38.10)	1.50 (38.10)	4.24 (107.70)	3.10 (78.74)	5.90 (149.86)	1.40 (35.56)	130	92	49115U
2.00 (50.80)	2.00 (50.80)	5.62 (142.75)	6.40 (162.56)	11.00 (279.40)	2.00 (50.80)	238	168	49120B
2.50 (63.50)	2.63 (66.80)	5.62 (142.75)	8.60 (218.44)	12.80 (325.12)	2.00 (50.80)	420	296	49125A
3.00 (76.20)	3.13 (79.50)	6.62 (168.15)	10.20 (259.08)	14.90 (378.46)	2.50 (63.50)	602	425	49130A
3.50 (88.90)	3.63 (92.20)	7.62 (193.55)	12.00 (304.80)	17.60 (447.04)	3.00 (76.20)	817	576	49135A
4.00 (101.60)	4.13 (104.90)	8.50 (215.90)	14.60 (370.84)	21.20 (538.48)	3.40 (86.36)	1064	751	49140A
5.00 (127.00)	5.13 (130.30)	9.62 (244.35)	16.00 (406.40)	24.00 (609.60)	4.00 (101.60)	1658	1169	49150A
6.00 (152.40)	6.13 (155.70)	12.12 (307.85)	22.00 (558.80)	27.00 (685.80)	2.00 (50.80)	2355	1665	49160A

Pak Stacks

- Can reduce exhaust noise by 3 to 4 dBA
- Mounts directly into existing system, replacing the conventional stack
- Aluminized steel, polished stainless steel or chrome plated

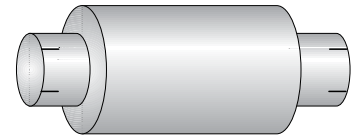


Diameter (O.D.) in (mm)	Length in (mm)	Aluminized Steel Part Number	Polished Stainless Steel Part Number	Chrome Part Number
4.00 (101.60)	35.50 (901.70)	89193U	-	-
5.00 (127.00)	35.50 (901.70)	89194U	-	-
5.00 (127.00)	40.00 (1,016.00)	86582M	-	-
4.00 (101.60)	45.00 (1,143.00)	89195U	89197U	-
5.00 (127.00)	45.00 (1,143.00)	89196U	89198U	-
5.00 (127.00)	60.00 (1,524.00)	-	-	90895U



Resonators

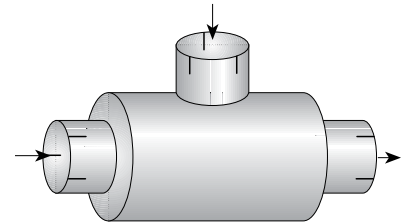
- Can reduce exhaust noise by 3 to 6 dBA
- Most effective when installed in exhaust pipe before the muffler
- Straight through design does not increase back pressure, providing maximum service life



Body Diameter in (mm)	Inlet and Outlet I.D. in (mm)	Body Length in (mm)	Overall Length in (mm)	Part Number
9.00 (228.60)	5.00 (127.00)	11.50 (292.10)	16.25 (412.75)	86145M
9.00 (228.60)	4.00 (101.60)	11.50 (292.10)	16.25 (412.75)	86144M
9.00 (228.60)	3.50 (88.90)	11.50 (292.10)	16.25 (412.75)	86150M
9.00 (228.60)	3.00 (76.20)	11.50 (292.10)	16.00 (406.40)	86556M

Splitter Tee Resonator

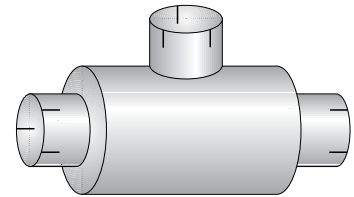
- Economical way to convert a single system exhaust into a dual system
- Produces low back pressure with an additional 3-5 dBA of exhaust noise control



Shell Diameter in (mm)	Shell Length in (mm)	Overall Length in (mm)	Inlet I.D. in (mm)	Outlet I.D. in (mm)	Part Number
7.00 (177.80)	15.00 (381.00)	18.50 (469.90)	3.50 (88.90)	5.00 (127.00)	86300M

Wye Connector Resonator

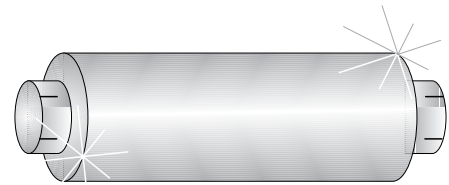
- Joins left and right hand exhaust pipes
- Provides an additional 3 to 7 dBA exhaust noise reduction over that of the primary muffler



Shell Diameter in (mm)	Shell Length in (mm)	Overall Length in (mm)	Inlet I.D. in (mm)	Outlet I.D. in (mm)	Part Number
10.00 (254.00)	15.00 (381.00)	21.00 (533.40)	5.00 (127.00)	5.00 (127.00)	86305M

Stainless Steel Mufflers

- Bright finish stainless bodies
- Noise and back pressure equal to OE specifications
- Shipped with protective coating on body



Part Number	Inlet Size (I.D.) in (mm)	Outlet Size (I.D.) in (mm)	Body Diameter in (mm)	Body Length in (mm)	Similar Standard Part Number
86408M	4.00 (101.60)	4.00 (101.60)	9.00 (228.60)	44.50 (1130.30)	86108M
86402M	5.00 (127.00)	5.00 (127.00)	9.00 (228.60)	44.50 (1130.30)	86102M
86430M	5.00 (127.00)	5.00 (127.00)	10.10 (256.54)	44.50 (1130.30)	86130M
86700M*	5.00 (127.00)	5.00 (127.00)	10.20 (259.08)	44.50 (1130.30)	—
86712M*	5.00 (127.00)	5.00 (127.00)	10.20 (259.08)	44.50 (1130.30)	86196M

* Insulated body