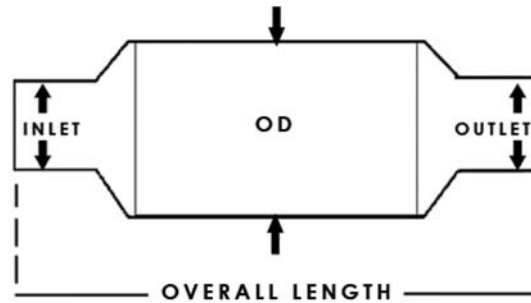


# DETERMINING THE BEST MUFFLER FOR YOUR APPLICATION



## Muffler Sizing Specification:

- Inside diameter of the muffler inlet tube
  - In most cases, the inlet tube, outlet tube, and perforated tube that runs through the center of the muffler all have the same diameter
- Outside diameter (OD) of the muffler body
- Overall combined length, including inlet tube, outlet tube, and muffler body

## Muffler Size Selection:

- Generally, the INLET diameter of the muffler is determined by the OD (OUTSIDE DIAMETER) of the exhaust system at the point where the muffler attaches.
- The muffler body (outside diameter; OD) and the overall muffler length are normally determined by available space and the amount of sound muffling desired. In most cases the greatest dB reduction will be achieved by installing a muffler body with the largest outside diameter and longest overall length that space will allow
- To help determine what muffler size will offer the desired performance and sound level we recommend that you consult with an engine builder who has specific knowledge of your engine and vehicle configuration. It is best that this person have hands on experience with the sound regulations at the tracks that you will run. It will also be helpful for you to observe and note the size and shape of the mufflers being used successfully by others with vehicle configurations similar to yours.
- Please contact us to discuss your findings; we are happy to add our input to help you make an informed selection.

**Packing Material Options:**

(No significant sound difference between any of these packing materials)

- Standard Equipment High Temperature Lightweight Fiberglass Packing Material  
Adequate for use on majority of high performance vehicles  
Not recommended for extreme sustained exhaust temperature or long duration running
- Stainless Steel "Scrubble" Packing  
Recommended for use with sustained high exhaust temperatures  
Greater durability (but also heavier & more expensive)
- Stainless Mesh Material  
Highest sustained temperature resistance, for extreme applications  
Incredible durability (heaviest & most expensive)

**Sound & Performance Variables:**

Sound measurements and performance results for a given vehicle vary widely due to subtle variations.

Methods used to measure sound levels by various sanctioning bodies, racetracks, and other sound regulators are vastly different from each other and often times not comparable.

Exhaust tones and sound levels are very subjective. One person might be happy with an exhaust tone and level, a second person might find the same exhaust note annoying and loud, while a third might feel that it is not nearly loud enough.

Back to top.

**Expected Results:**

Coast Fabrication offers good faith recommendations and estimates based on past experiences and theory. Because of the variables and complexities involved, adherence to a specific sound limit or performance result is not guaranteed.

**Coast Fabrication, Inc.**

16761 Burke Lane  
Huntington Beach, CA 92647

Phone: (714) 842-2603

Fax: (714) 847-1824

[info@coastfab.com](mailto:info@coastfab.com)

[www.coastfab.com](http://www.coastfab.com)