

## Design Engineering, Inc.

604 Moore Road  
Avon Lake, OH 44012



THERMAL TUNING PRODUCTS

### Installation Instructions

## DEI Titanium Exhaust Wrap



#### NOTE

It is recommended that DEI Stainless Steel Locking Ties be used during install to secure the ends of wrap for the most effective results

#### DIRECTIONS

- 1 - Prior to wrapping, consult the material chart (page 2) to make sure you have enough wrap before you begin.
- 2 - Wrapping a pipe takes time and concentration. The tighter the wrap the better the hold and less chance of a loose or irregular fit. Consider anchoring one end of the wrap as it will aid in a much tighter wrap which results in better heat isolation.
- 3 - Start wrapping the primary tube tightly at the exhaust port and secure it with a DEI Stainless Steel Locking Tie, hose clamp or safety wire. Remember, when wrapping use the sewn-in guidelines as testing has shown that utilizing a 1/4" overlap produces the best results without adversely affecting headers and tubing.
- 4 - Where primary tubes become closer together, wrap both pipes as one while using the same 1/4" overlap.
- 5 - Proceed to wrap the collector securing the ends with DEI Stainless Steel Locking Ties.
- 6 - During the initial break-in period, your wrap may begin to smoke for a short period of time - this is **NORMAL**. Smoking may occur several days after installation and should eventually stop.
- 7 - When cleaning surface dirt and debris from wrapped pipes or headers DO NOT use a high pressure hose as it may loosen the wrap's fibers. Use a damp shop cloth to remove any dirt and debris from the titanium wrap.



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<b>DEI Exhaust Wrap Roll</b>		
Guide: Inches used per linear foot of pipe		
<b>Tube Dia.</b>	<b>1" Wrap</b>	<b>2" Wrap</b>
1-3/8"	70" per foot	30" per foot
1-1/2"	76" per foot	33" per foot
1-5/8"	82" per foot	35" per foot
1-3/4"	88" per foot	38" per foot
1-7/8"	95" per foot	41" per foot
2"	101" per foot	44" per foot
2-1/8"	108" per foot	46" per foot
2-1/4"	113" per foot	49" per foot
2-1/2"	125" per foot	52" per foot
3"	136" per foot	60" per foot

*Include an additional 8" of wrap per bend on 2" width wrap or 13" when using 1" width wrap (bends increase surface area).*