

# Triple Lock<sup>®</sup> Thermal Duct

## ACOUSTIC FLEXIBLE DUCTING



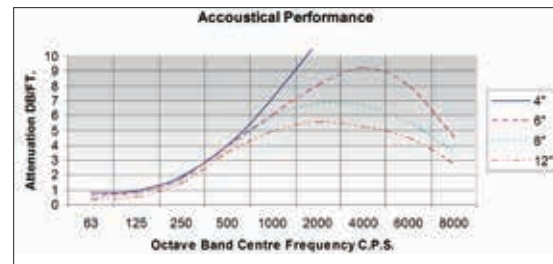
- Sound Attenuation for air distribution systems
- Before and after terminal box
- Connection to diffuser
- Final sound attenuation for source noise
- Transfer ducts
- Three ply mechanical airtight seam
- Manufactured from dead soft pure aluminum
- Perforated core
- ULC Listed
- Exceptional strength, lightweight
- Corrosive resistant
- Highly puncture resistant
- Acoustic and high pressure rated
- Self supporting, thermal reliability

### Sound Attenuator TLSA

An insulated acoustic Triple Lock<sup>®</sup> manufactured by using a dead soft perforated aluminum strip, spirally wound and mechanically joined together. The inner duct is wrapped with thick fiberglass insulation and sleeved by a Triple Lock<sup>™</sup> aluminum jacket; Triple Lock<sup>™</sup> TLSA relies on the perforated core with an open area of 20-25% to create a duct with superb acoustic qualities. The complete high pressure duct assembly is excellent for HVAC systems requiring low noise.

### Suggested Specification

Flexible Sound Attenuator shall be Triple Lock<sup>®</sup> TLSA by Flexmaster. The core will be made of perforated dead soft aluminum and manufactured in a manner to produce a three ply mechanical airtight seam. The core will be factory wrapped with fiberglass insulation and protected by a triple-lock aluminum outer sleeve. This flexible acoustic aluminum duct will be listed in accordance with ULC-S110 and classified as Class 1.



Core Material:	Perforated aluminum core (min. 25%)
Thermal Resistance	Available: R4.2, R6, R8
Maximum Rated Velocity:	20.3 m/s (4000 fpm)
Maximum Positive Pressure:	1.5 kPa (6 in. WC)
Maximum Negative Pressure:	0.25 kPa (1 in. WC)
Bend Radius:	2 - 3 x O.D.
Available Sizes:	4" to 22"
Standard Lengths:	10ft
ULC Listing:	Class 1 Connector

NOTE: This ULC Class 1 product has a flame spread rating of not over 25 without evidence of continued progressive combustion and a smoke developed rating of not over 50.

All products are warranted to be free from all defects in material and workmanship. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete **Terms and Conditions of Sale** located on our web sites at: [www.novaflex.com/](http://www.novaflex.com/) / [www.z-flex.com/](http://www.z-flex.com/) / [www.flexmaster.com/](http://www.flexmaster.com/).

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**FLEXMASTER**  
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