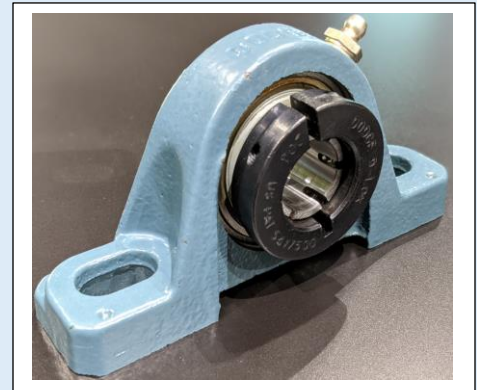




WHAT ARE CONCENTRIC LOCK BEARINGS? AND WHY SPECIFY THEM?

Concentric Lock Bearings

- Provide the greatest contact area between bearing collar and shaft, with improved shaft gripping force
- No setscrew shaft damage
- Provide nearly perfect concentricity of shaft and bore
- Eliminate localized stress of setscrew on bearing bore
- Reduce shaft tolerance requirement
- Perfect for vertical shaft orientation on large fans



Cook provides concentric lock bearings standard on QMX fans

They are also recommended on:

Inline Fans – Primarily due to limited space for checking setscrew torque

High-Speed Fans – This is an ambiguous term, however where fan RPM's are high and impellers are heavy. Examples: Material Handlers, Class III/IV blowers

Questions on vibration isolation for fans?

This brochure explains types of isolators, when and where to use them, and contains useful information on proper support of large fans like utility sets.

Visit our engineering tab on our website for this very handy resource from Cook.

INTRODUCTION



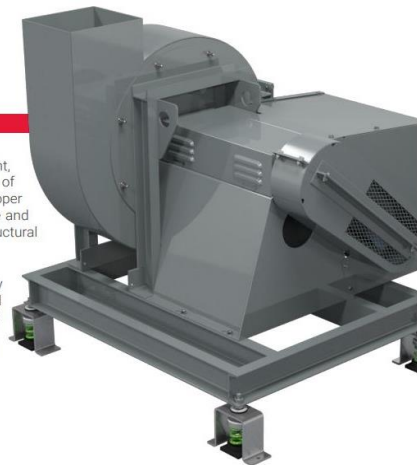
Loren Cook Company offers a full line of vibration isolation accessories to meet all your installation demands.

ISOLATION & VIBRATION

As society has become more sensitive to noise in the environment, reducing noise and vibration has become a critical component of design. Since all mechanical equipment produces vibration, proper isolation is necessary to minimize the transmission of this noise and vibration to the building structure and to limit the excitement of structural component frequencies.



Purchasing isolation equipment and the fan directly from Cook ensures proper selection, fit and coordinated delivery. Isolation bases purchased with the fan are normally tested and shipped with the fan pre-mounted. Isolators are shipped loose for installation in the field.



Understanding Titus VAV Box Linings

What do these things offer?



ECOSHIELD

Insulation Characteristics

- *Material: Natural Fiber Duct Liner
- *Thickness: ½", 1"
- *R-Value: Differentiate based off of type of material
- *Density: 3.0 lbs/ft³
- *Flame Spread: less than 25
- *Smoke Density: less than 50
- *Mold Growth: None

FIBER FREE

Insulation Characteristics

- *Material: Dual Density Fiberglass
- *Thickness: ½", 1"
- *R-Value: Differentiate based off of type of material
- *Density: 1.5 lbs./ft³ with 4.0 lbs./ft³ face
- *Flame Spread: less than 25
- *Smoke Density: less than 50
- *Mold Growth: None



FIBERGLASS

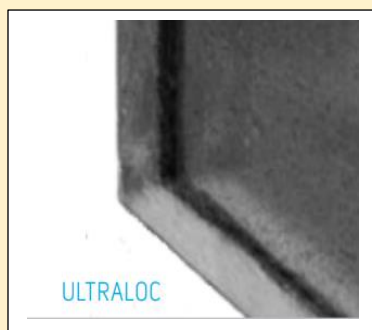
Insulation Characteristics

- *Material: Dual Density Fiberglass
- *Thickness: ½", 1"
- *R-Value: Differentiate based off of type of material
- *Density: 1.5 lbs./ft³ with 4.0 lbs./ft³ face
- *Flame Spread: less than 25
- *Smoke Density: less than 50
- *Mold Growth: None

STERILOC

Insulation Characteristics

- *Material: Foil Faced Duct Board Insulation
- *Thickness: 13/16
- *R-Value: .50 ft² Fahrenheit h/btu @ 75 degrees Fahrenheit
- *Density: 4.0lbs/ft³



ULTRALOC

Insulation Characteristics

- *Material: Solid Metal Liner over Fiberglass
- *Thickness: 1" Fiberglass in ¾" deep metal pan
- *R-Value: Fiberglass – 3.9ft² Fahrenheit h/btu @75 degrees Fahrenheit
- *Density: 1.5 lbs/ft³
- *Flame Spread: 25
- *Smoke Density: 50
- *Mold Growth: None

IS YOUR JOB INTERESTING??

Depends on who's asking!

Describing what exactly our jobs entail in the HVAC arena to those not familiar with our industry can often be a challenge. After replying with the words "Heating and air conditioning", the conversation at a party or gathering of friends usually trails off. But not always...

Years ago, Mussun Salesman Paul Manway was on a jobsite at Severance Hall measuring openings for linear grilles.

The drawing he had with him took him all over the great hall and finally into the locker room backstage where he heard music playing.

A French Horn player was the only person in the locker room at the time, sitting on the bench in his tuxedo with his jacket neatly hung and shoes placed under the bench as he played. There is no doubt the Cleveland Orchestra is considered one of, if not "the" premier orchestra in the world, so there is little argument that this musician would be considered one of the world's best musicians.

As Paul was measuring the openings for the grilles beneath the window the French Horn Player suddenly stopped playing.

French Horn Player (FHP): Hey, what are you doing?!

Paul: Oh, just measuring these openings for some linear bar grilles.

FHP: So you make them?

Paul: No, I am the local manufacturer's rep. My factory will build them.

FHP: So you send the dimensions to the factory and they build them per your spec?

Paul: Yes.

FHP: And you install them?

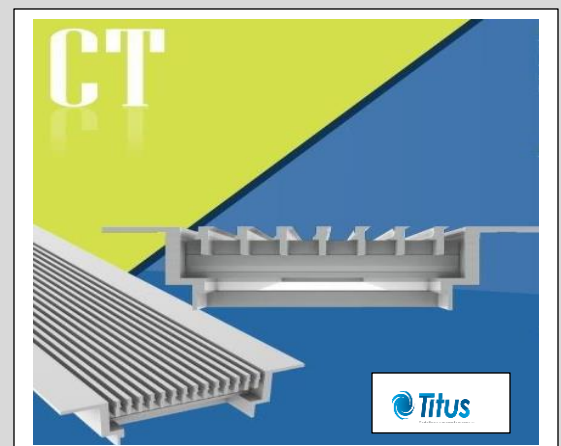
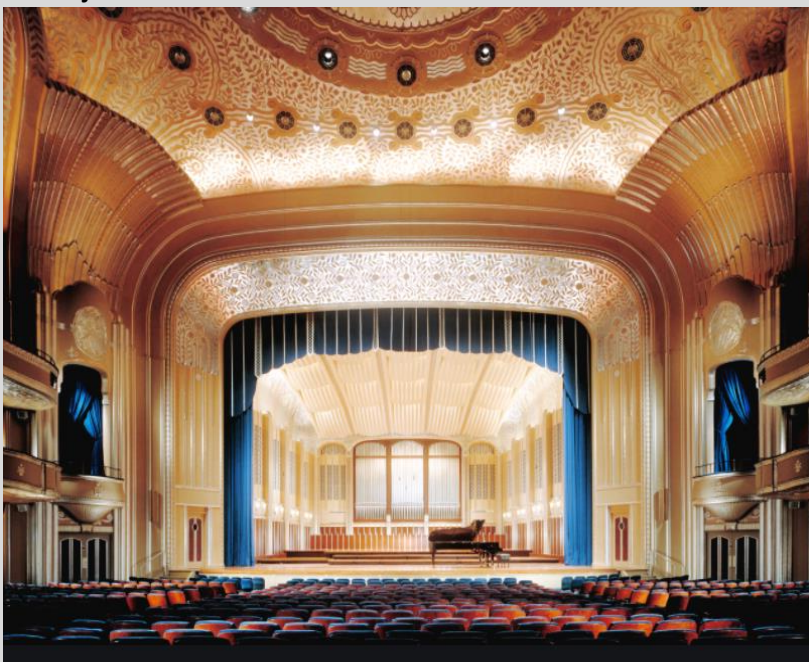
Paul: No, they will ship to my contractor and he will install them. He is doing other work in the building as well.

FHP: So you measure them, tell the factory what you want, they build them, ship them to your contractor, and they install them?

Paul: That's correct.

FHP: Wow! You have a REALLY interesting job!

When Paul finished measuring the last opening he headed for the exit. Thinking about how interesting his job is and not paying attention to where he was going, he walked through a door and onto the stage during a children's performance which just started!



Ask about our Woodgrain and
Marble finishes

MUSSUN COUNTER IS REOPENING!

We will be reopening the Mussun counter for Cleveland and Columbus on **May 10, 2021**. Any customer that stops in the week of May 10th will be entered in a drawing for 4 Indians tickets at the Cleveland location and 4 Columbus Crew tickets at the Columbus location.



GOOD LUCK!

IN A HURRY? HERE ARE A FEW THINGS TO REMEMBER:

- You may continue to call ahead for pickup and we will pull your order!
- Face masks are required to enter the counter area.



Coming up:

The official warehouse reopening will be **June 10, 2021**. There will be food and many giveaways. We look forward to seeing you there!

If you have any questions, please contact your Mussun Sales Representative.

HIGH WIND APPLICATION?

Whether your job is in hurricane-prone areas or other high wind application such as a high-rise roof along Lake Erie, Loren Cook offers a whole range of Miami-Dade approved fans and vents for your application.



Visit our website for Cook's High Wind Supplement, which covers everything from fan options to proper installation and fasteners.

It can be found under the engineering tab at

www.mussun.com



PDH HOURS

Mussun Sales posts upcoming webinars on our Events section of our website. Be sure to check out topics which qualify for PDH Hours.

To Unsubscribe, simply reply to this email with "unsubscribe" in the subject line.

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