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**TECHNOS
HOT TIP #24**

Greasing Bearings

Anti-friction bearing greases are usually a mixture of lubricating oil and a soap base. The soap base merely acts to keep the oil in suspension. When moving parts of a bearing come in contact with the grease, a small quantity of oil will adhere to the surfaces. Bleeding of the grease should occur to continue a supply of oil to the friction areas. Bearing manufacturers typically recommend that all grease be removed and replenished every year. Call Technos to schedule your bearing maintenance today!

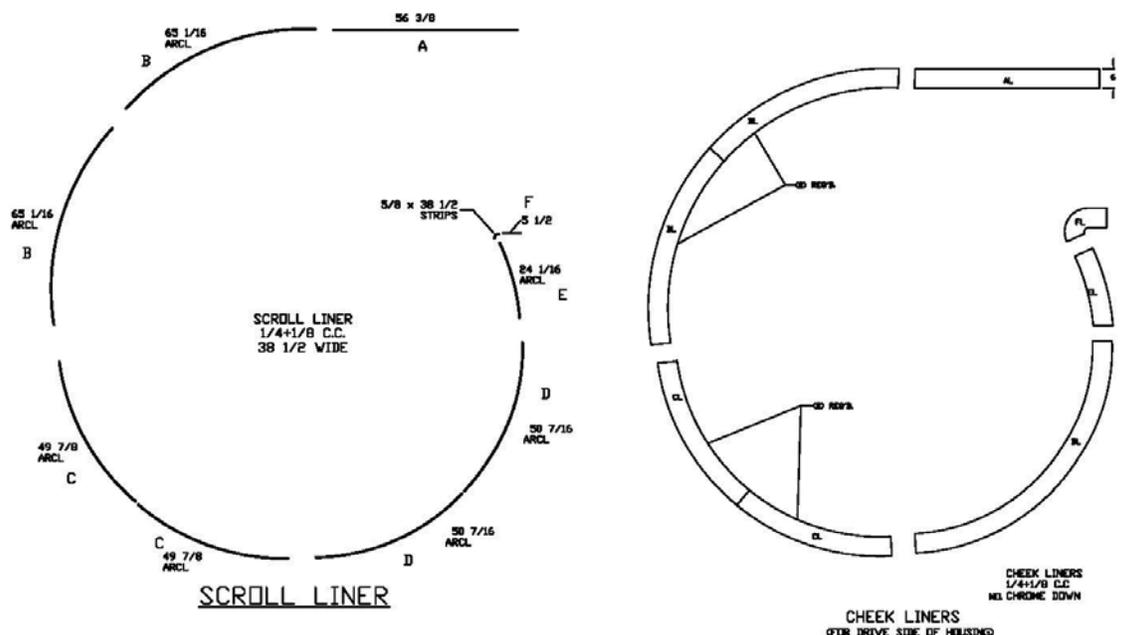


Fan Housing Scroll and Cheek Liners

Technos can provide your housing scroll and cheek liners made from materials suitable for high wear situations. Typical materials for housing liners include chrome carbide and AR plate, and these liners can be plug welded or bolted for ease in replacement.

With the addition of scroll and cheek liners, the service life of the housing can be greatly extended. This can save time and money by postponing or eliminating the need for complete housing replacement.

The liners can be installed by plant personnel, or a Technos Field Crew can arrive onsite to remove the worn material and install the new liners.



ENGINEERING SUPPORT

Our Engineering Department has the expertise to perform the most thorough analysis using cutting-edge computer technology.

- Natural Frequency Testing
- Finite Element Analysis (FEA)
- Shaft Critical Prediction
- Wear Control Improvements
- Metallurgical Analysis

FIELD SERVICE DEPARTMENT

- Emergency Repairs
- Laser Alignment
- Field Balancing
- Wheel Replacement
- Bearing Repairs
- Epoxy Grouting
- Liner Installation

PRODUCTS AVAILABLE

- Complete Custom Fan Assemblies
- Chrome Carbide Liners
- Dampers
- Expansion Joints
- OEM Projects
- Fan Housings
- Spare Wheels
- Screw Conveyors
- Coal Hoppers
- Shaft Seals
- Separators
- Shafts
- Classifiers
- Ducting

Inlet cones, inlet cones, *AND MORE INLET CONES!*

Technos ships fan housing inlet cones of every size and shape. Our inlet cones are fabricated using A36, chrome carbide, stainless steel, and other materials. We can fabricate the inlet cone as a single piece, or design it to be a two, three, or four section cone with flanges to make it easier to install while the fan assembly is still in the housing. These smaller cone sections can be inserted through an inlet box or inlet duct access door and bolted in place quickly and inexpensively. Our inlet cones are heavy duty and can outlast the typical thin gauge spun cones that are so commonly used. A Technos crew can remove the damaged cone and install a replacement during your next scheduled outage or emergency shutdown. Call Technos for more details.



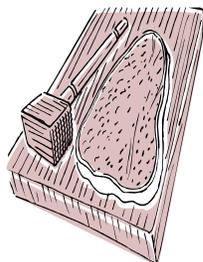
Technos Corporation Capabilities

In Texas, Technos Corporation Fan Services is located on 10 acres five miles northeast of San Antonio with two large state-of-the-art facilities fully equipped with multiple welding machines, CNC cutting machine, positioners, lathes, press brake, mills, and precision balancing equipment. *Our Technos facility in Alabama is located in Bessemer and is equipped to handle your fan manufacturing and repair needs as well.*

Technos Corporation Fan Services has the expertise to design, fabricate, and install all types of industrial fans; including wheels, shafts, housings, dampers, expansion joints, and wear-resistant liners specifically designed for your requirements.

Technos Corporation Fan Services field crews are full-time employees certified and trained in all phases of fan repairs and safe installation. We respond to your emergencies and work safely to complete the job. Technos Corporation Fan Services never uses any temporary laborers.

Technos Corporation Fan Services offers the most competitive in-shop and field service rates in this business and we are ready to fulfill all of your industrial fan needs at a moment's notice.



From the **TECHNOS** tailgate: *Hot Texas Meat Marinade*

Ingredients: Two tablespoon cayenne powder, one tablespoon ground cumin, one teaspoon ground caraway seeds, one garlic clove (pressed), ½ teaspoon salt, and ¼ cup Italian salad dressing or olive oil. Mix ingredients thoroughly and use as a rub for all meats before cooking. Keeps easily in the refrigerator for later use.

Great for both kitchen and outdoor cooking!