

PRODUCTS SERVICES



Long Island Marketing Concepts & Technology Inc.

OUR MANAGEMENT

Eugene J. Zappasodi, Jr., President

Gene entered the Power Transmission industry in 1968. Gene can generally be found at LIMCT headquarters to answer questions and offer technical solutions to your HVAC problems. Additionally, Gene services our aggregate, concrete, asphalt, material handling, and pharmaceutical customers.

Philip J. Mascia, Senior Vice President

Philip entered the Power Transmission industry in 1971. Philip is our primary Sales Engineer who specializes in all facets of HVAC including power transmission; motors; starters; pumps; blowers; fans; bearings; pulleys; and V-belts. Philip has been meeting the HVAC needs of the New York area commercial real estate industry for over twenty-five years.

Anna Kellar, Operations Manager

Anna entered the Power Transmission industry in 1988. Anna oversees the daily operational functions of our office. Additionally Anna heads up our inside sales team. With fifteen years experience in the power transmission industry, she is technically astute and possesses detailed product line knowledge.

Denton Taylor, Vice President, Sales

Denton entered the Fluid Sealing industry in 1977. Denton is another of our field representatives. As former owner of Munaco Packing & Rubber Company, he is uniquely suited to solve your fluid sealing; gasketing; packing; and fluid transfer problems.



Welcome to our brand new manufacturing and distribution center in Hicksville, Long Island—thirty minutes from midtown Manhattan. Customer service, manufacturing, and distribution all reflect the latest in efficiency and customer satisfaction.

OUR PHILOSOPHY

Our customers are responsible for our success. Period.

To meet your needs, Long Island Marketing Concepts and Technology Inc. (LIMCT) has developed numerous ways to optimize your material management and maintenance process.

With more than thirty years of industry experience, LIMCT is a leading distributor of HVAC Components; Industrial Power Transmission Equipment; Mechanical Seals and Gasketing products. And, we provide a number of technical services to keep your equipment running smoothly.

We work with you to develop solutions that positively impact your maintenance and repair needs as well as your material planning, acquisition, and inventory management requirements. LIMCT's industry-leading knowledgeable staff is always able to recommend solid solutions that provide measurable results.

Our customers have been able to significantly improve their bottom line through the application of LIMCT's industry knowledge, broad product selection, and the ability to recommend the right product for the job.

Another indication of our dedication to you the customer, is our 24 hour service. At LIMCT we use voice mail as emergency backup only. A live person answers our phone, 24 hours a day. In an emergency, someone will get back to you promptly. No matter what the day or the hour.

We thank you for making LIMCT a success. Our team stands ready to serve you!

A handwritten signature in black ink, reading "Eugene J. Zappasodi, Jr." in a cursive script.

Eugene J. Zappasodi, Jr., President

SERVICES: PUMP REPAIR

Pump Analysis and Repair

Not every pump problem requires a pump rebuild. At LIMCT, we can tell the difference. Seal problems? We may recommend an additional separator, different couplings, harder seal faces, bearing isolators, or a pump alignment.

As distributors for John Crane, U.S. Seal, Dodge, SKF, and others, we can supply the parts you need to keep your pumps running smoothly. Nevertheless if a pump overhaul is needed we stand behind you with a fully equipped machine shop and expert personnel to do the job.



Typical shaft assembly as received by our shop. Sleeve damage, possible impeller problems, damaged bearing housings. We will degrease the assembly, then glass bead or sandblast the parts, check tolerances, and begin the repair.

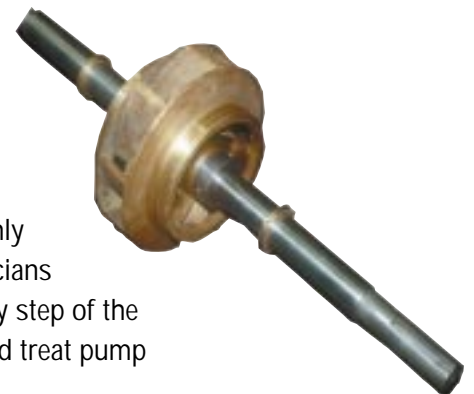


We use a number of specialized techniques to maximize efficiency. Most of the pumps received at our shop have some sort of shaft wear. Some pump repair companies will recommend that you purchase a new shaft. But often a steel epoxy spray can be used to build up the shaft. When it dries, we mount the shaft assembly on a lathe and machine it to factory tolerances.



Every shaft assembly is checked at numerous points for factory tolerances using a dial indicator or other state-of-the-art equipment.

This shaft awaits installation of bearings and seals, delivery to customer, and final alignment. Our highly experienced technicians work with you every step of the way to diagnose and treat pump problems.



SERVICES: LASER ALIGNMENT

Laser Alignment

After the installation of new couplings, seals, motor, or a pump overhaul, we recommend a laser alignment. The small added investment ensures that your seals, bearings, and couplings give you maximum service life.



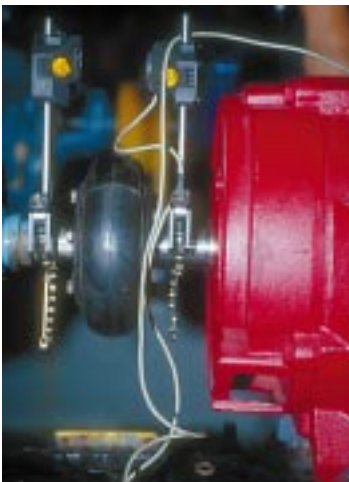
New motor installation.



New coupling Installation.



Installation of alignment equipment.



Laser probes installed and ready for testing procedures.



Motor alignment and shim installation, as dictated by the latest technology.



When alignment is completed pump and motor are typically aligned to .003".

SERVICES: HVAC DRIVE ANALYSIS



Discussing the engineering data.

Drive Analysis and Problem-Solving

Belts slapping? Sheaves worn? Easy problems to fix.

Over Full Load Amps? Static pressure off? Not pulling the CFM the drive was designed for? Bearing problems? Time for a drive re-design? Not so easy! LIMCT specializes in analyzing and solving HVAC fan drive problems.



Measuring for drive re-design.

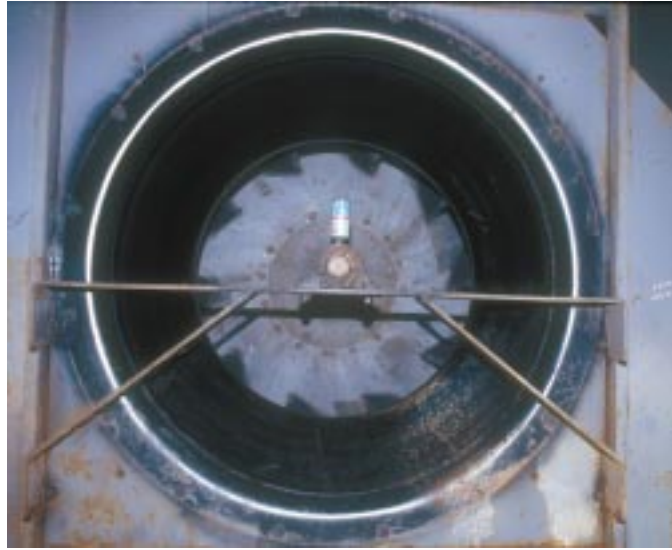


Measuring a companion pulley and variable pitch sheave combo for replacement.



Measuring for bearing replacement.

SERVICES: HVAC FABRICATION



Removal of vortex, new vertical and horizontal bearing supports, pillow block bearings, and SKF System 24 automatic oiler (see page 11)



LIMCT manufactures new fan guards to order.



New SAF Pillow Block Bearings, bracing, and alignment.

SERVICES: VIBRATION ANALYSIS

Vibration Analysis and Balancing

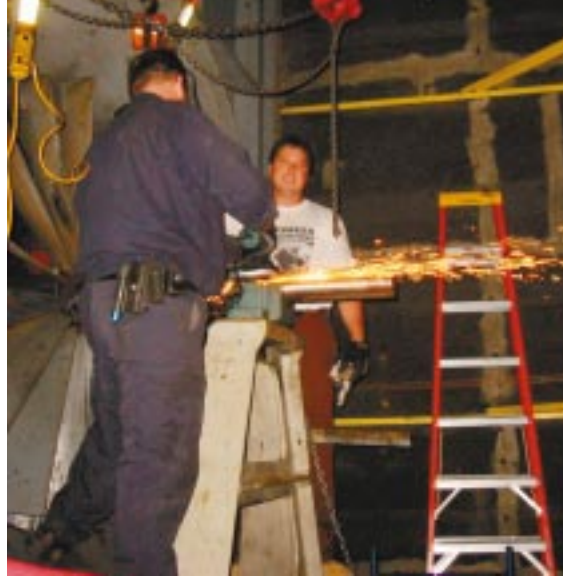
One of the smartest and most cost-effective services that can be undertaken is a vibration analysis of all rotating equipment. Sophisticated sensors and handheld computers quickly identify any misalignment, potential bearing problems, impeller problems, V-belt misalignment, and excessive vibration on fans, motors, pumps, and other rotating equipment. The causes of abnormalities and recommended solutions are indicated with the vibration report which is submitted to the customer. Problems can be identified and solved *before* a catastrophic failure occurs!



SERVICES: SHAFT & VALVE REPAIR

Shaft Repair and Sleeving

To replace a large diameter shaft is very expensive in labor, materials, and downtime. We can heat-shrink a new sleeve onto an old shaft. This procedure is far more economical than buying and installing a new shaft.



The pulley is removed, the old bearings are removed, and sleeve is prepared for mounting.



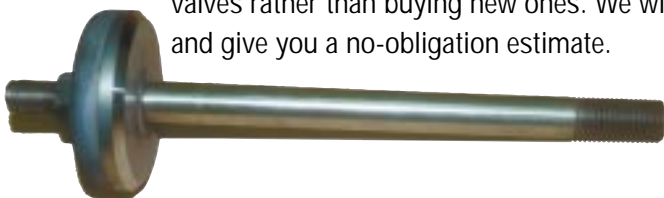
Examination of the old shaft indicates a previous metal epoxy repair that has now failed.



New sleeve installed on worn shaft.

Valve Repair

If you have large expensive valves that have worn seats or are in need of repair, please contact us. In many cases it pays to repair your current valves rather than buying new ones. We will visit and give you a no-obligation estimate.



This is a remachined valve stem and seat, completely redone and checked for tolerance.



Smaller valves can be almost entirely repaired on a lathe. Flanges will be redone, seats will be re-ground, etc.

PRODUCTS: DODGE BEARINGS

Pillow Block Bearings

LIMCT has a variety of Pillow Block Bearings from Dodge, SKF, and other leading brands. From 1" and up, most are ready for immediate delivery. Problems identifying or measuring bearings? Call LIMCT and a representative will assist you with your selection.

S2000 Spherical Roller Bearing

Premium high capacity double row spherical bearings in cast iron housings. Suitable in heavy duty applications that require resistance to both radial and thrust loads. Available in expansion and non-expansion styles.

D-LOK Pillow Block Bearings

Concentric collar grips the shaft with a 360° clamping action. Greatest holding power in the industry. Precision-finished inner and outer rings. Available in expansion and non-expansion styles.

Eccentric Collar SX Pillow Block Bearings

Features a self-locking collar that is locked to the shaft with a quarter-turn. The collar is secured in place with a single setscrew.

SC Setscrew Pillow Block Bearings

Most modern setscrew pillow block design on the market. Great quality and a great value. Excellent seal design and a stronger, more flexible cage.

D-LOK Flange Bearings

Concentric collar grips the shaft tighter with less vibration. Greatest holding power in the industry. Precision-finished inner and outer rings. As pictured, available in 2-bolt and 4-bolt versions.

Unified SAF Design

USAF Spherical Roller Bearings are designed specifically for use on fans. They offer less vibration and longer life. Available in shaft sizes up to 10.5". Adaptable to oil systems such as the SKF System 24 (see page 11).



PRODUCTS: SKF BEARINGS

SKF Ball Bearings

For pumps, motors, and other rotating equipment, you will find that LIMCT maintains a large inventory of SKF brand and other quality bearings. We stock single row, double row, and angular contact bearings.



SKF Pop Release Bearings

Pop Release Spherical Roller Bearings are supplied fully assembled with bearings, seals, and grease. Pop Release bearings feature a near 360° interference fit.

SKF SAF Series Split Pillow Block Bearings

Roller Bearing designed for use spherical or self-aligning ball bearings. Adaptable to oil systems such as the SKF System 24 (see below).



SKF System 24 Automatic Lubrication Device

Lubricates bearings and other devices 24/7 automatically. Available packed with a wide range of lubricants. Upon activation, a hydrogen cell generates the appropriate pressure to inject the lubricant. The flow rate is user-controllable. Can be mounted directly on the equipment or via bracket and hose.

PRODUCTS: SKF BEARING TOOLS

Information About Heat Mounting Bearings

The interference fit and bearing size determine how hot a bearing must be for heat mounting. Normally a bearing temperature of about 150°F over ambient temperature is adequate; however a bearing should not be heated above 230°F, and an open flame should never be used. We've seen everything from light bulbs to hair dryers used to heat bearings. Given the amount of man-hours needed to perform bearing replacement, why not get the right tools for the job?

SKF SCORPIO Induction Bearing Heater

This light weight (11 lbs.) high quality induction bearing heater will heat bearings with inner diameters between 7/8" and 4". The heater is equipped with a time and temperature control. The SCORPIO features 85% efficiency and uses a patented method of heating based on high frequency induction. It can also be used for heating other metal components such as gears, bushings, pulleys, and shrink rings.



SKF Model TMFT33 Bearing Fitting Tool Kit

Install bearings properly, easily, and safely.



SKF Bearing Pullers

Without a doubt, these are the strongest best constructed bearing pullers available. In a complete range of sizes to fit any need, as pictured.

Puller	No. Arms	Grip Width	Arm Length
TMMP 2x65	2	2.6"	2.4"
TMMP 2x170	2	6.7"	5.3"
TMMP 3x185	3	7.3"	5.3"
TMMP 3x230	3	9.1"	8.3"
TMMP 3x300	3	11.8"	9.4"

PRODUCTS: MAINTENANCE ITEMS

Back Row: Red RTV Sealant for temperatures up to 600°F • Belt Dressing • The Original—Permatex (now Loctite) #2 non-hardening sealant • Gasket Remover • Silicone Spray—excellent lube for dampers and squeaky wheels of all types • Blue RTV for lower temperatures.

Front Row: 51D black Thread Sealant compound/pipe dope • Hi Tack gasket sealer and adhesive; holds gaskets in place during installation • 14D Thread Sealant compound/pipe dope with Teflon™.



This is but a small sample of the items we offer. LIMCT is a distributor for LocTite, Permatex, Never-Seez, WD-40, PlioBond, and many more industrial maintenance items. Please call if what you need is not pictured here!

Back Row: Never-Seez Spray to eliminate rust and galling on bolts and fasteners • Lubriko LC-2 Bearing Grease • WD-40 Penetrating Oil.

Middle Row: Loctite 55—a new concept in thread sealing • Never-Seez Nickel, to 2400°F • Never-Seez Regular, to 1800° • #495 Industrial Strength SuperGlue.

Front Row: Metal Magic Steel Epoxy. For repair of all kinds of steel parts, especially cuts in flanges.



PRODUCTS: MAINTENANCE ITEMS



Centrifugal Separators

Keeps grit away from mechanical seal faces. No moving parts. Available in Stainless Steel and Nylon.



Pump Glands

LIMCT can fabricate and/or supply pump glands in any configuration or material.



Shaft Sleeves

LIMCT can fabricate and/or supply shaft sleeves in any configuration or material.



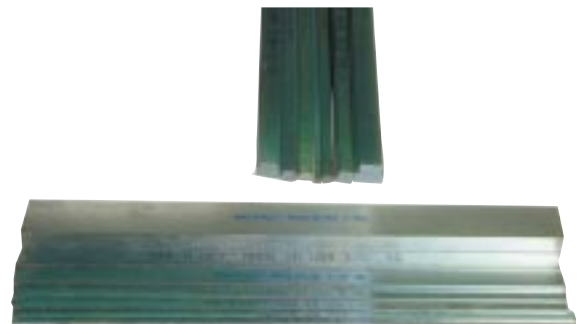
'C' Ring Kits

This kit contains both inner and outer 'C' rings, together with special tool needed for installation and removal.



Klozure® Oil Seals

LIMCT stocks the full line of Garlock Klozure® oil seals, as well as other leading brands.



Key Stock

Two kits are available. The Square Kit contains 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", and 1/2". The Stepped Kit contains seven sizes ranging (top width x bottom width) from 3/16" x 1/8" to 1/2" x 5/8".



Gates 'Nu-T-Link' Emergency Belting

Temporary replacement for V-belts. Keeps equipment up and running until correct belts arrive. Available in 4L, A, B, and C cross-sections.



'O' Ring Kits

Contains a supply of the most common O-rings.



Climax® Plug Grease Guns

Extremely high pressure gun used for injecting grease plugs into valves. Part-for-part interchangeability with Rockwell® brand guns.



Lincoln® Grease Guns

High quality, high pressure alternative to those hardware store guns. Holds standard 14oz grease cartridges.

Shim Stock

LIMCT stocks shims in many sizes and materials. Recommended but not pictured are maintenance kits containing a large variety of stainless steel shims.



SpillTech Oil Absorption Pads

A must-have product to prepare for the inevitable accidental spill. 100 sheets 17" x 19", specifically designed to absorb oil spills.



PRODUCTS: EXXON-MOBIL



Mobil Greases

Mobil Synthetic Greases

Formulated with synthetic base stock and a lithium complex thickener. Red color, for service to 450°F. Available in NLGI #00 to #3



Mobil Food Grade

Formulated with aluminum complex thickener. Replaces lithium and synthetic compounds in food service applications. Meets FDA and USDA H-1 regulations. Transparent, to 350°F.

Mobil AW

Lithium complex thickened grease incorporating anti-wear agents for severe operating conditions that may include the presence of water. Excellent for bearing applications. Green color, for service to 350°F.

Mobil Gear Oils



Mobil 1 Synthetic Gear Lubricant

75W-90 synthetic gear lubricant for use in cooling towers, truck turntables, etc. Good in low and high temperature conditions.

Mobil Multi-Purpose Gear Oil

80W-90 gear oil for use in cooling towers, truck turntables, etc. Excellent anti-wear and corrosion resistance.



Mobil Delvac 1300

Multigrade engine oil for severe applications such as diesel engines and emergency generators.



Mobil Anti-Freezes

Mobil offers several types of antifreezes for generators, engines, coils, etc. With or without glycol base.

Mobil DTE

High-quality hydraulic oil designed for severe hydraulic systems that use high-pressure, high-output pumps. Outstanding load-carrying, multi-metal compatibility; superior film strength and anti-wear properties. Available in ISO Viscosities 10, 32, 46, and 68.



Mobil Environmental Awareness Lubes

Biodegradable, environmentally safe vegetable based oils. For use in highly sensitive areas.



Most products available in cartridges or quart containers; 5 gallon pails, 120 pound kegs, 55 gallon drums, and bulk deliveries

PRODUCTS: COUPLINGS



Dodge Para-Flex® Couplings

Para-Flex couplings are known for accommodating misalignment. Will take 4° angular misalignment, 1/8" parallel misalignment, and end float of more than 1/4". The reinforced rubber element is excellent at dampening torsional vibration. The replaceable element is split for easy replacement. Lubrication not required. Generally furnished in taper-lock. An excellent choice for large pumps.



Dodge D-Flex® Spacer Couplings and Inserts

D-Flex (also known as 'Woods®-style') state-of-the-art couplings employ a molded, elastomeric flexible sleeve insert. The D-Flex advantage lies in the numerous available inserts. EPDM is for higher temperatures in oil-free environments. Neoprene is for general service. And Hytrel (orange color) can transmit up to four times the horsepower of EPDM or Neoprene. All inserts can be furnished solid, single-split, or double-split for ease of installation. Accommodates 1° of angular misalignment. No lubrication required. A good choice for larger pumps.



Dodge Grid-Line® Spacer Couplings



Dodge Grid-Line® Standard Couplings and Spacer Couplings

Grid-Line Couplings are tapered grid-style couplings. Misalignment and end float are accommodated by the sliding action of the grid in the lubricated hub grooves. Hubs are machined steel. Uses taper-lock or interference fit. The grid element is made of high strength spring steel that has been heat treated, quenched and shot peened to enhance strength and durability. Grid element is easily replaceable without disturbing the alignment of pump and motor. Suitable for high speeds up to 6000 RPM. Accommodates ½° of angular misalignment, .012" parallel misalignment, and 3/8" end float.

Dodge Grid-Line® Standard Couplings



Lovejoy® L Series

Simple inexpensive coupling for light to medium applications. 'Spider' rubber insert. To order complete assembly, specify series (L100, L110), and shaft sizes. LIMCT stocks the rubber inserts.



PRODUCTS: SHEAVES & PULLEYS



Dodge Sheaves and Pulleys

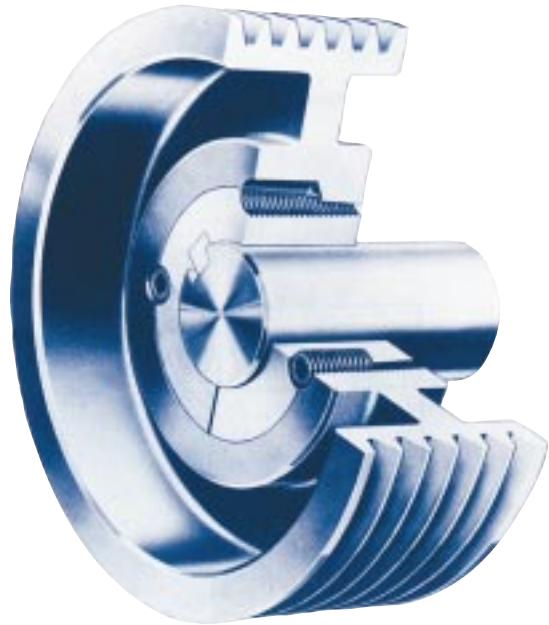
Precision cast from quality grey iron, machined, and balanced in the U.S.A. Not all pulleys are created equal—Dodge's are manufactured in ISO-9002 plants. Features long life, low maintenance, and no lubrication. To order please provide shaft size, number of grooves, pitch diameter or outside diameter of pulley, and type and size of belts. Available in cross sections for A, B, C, 3V, 5V, 8V, etc.

Not to be used at over 6500 feet per minute.

Please see pages 6-8 for related services LIMCT provides.



QD-Style (Normally Supplied).
From 3/8" to 10" shaft sizes.



TaperLock Style (Available).
From 1/2" to 12" shaft sizes.



Variable Pitch Sheaves

Used to get the absolutely the most efficiency out of a drive system. The savvy user can adjust these sheaves to reach near 100% of design spec.

PRODUCTS: FAN BELTS

LIMCT is a Master Distributor for Gates, Goodyear, Jason and other quality V-Belts. The most common profiles of belts are shown below; many more are available. All belts are matched.

A, B, C, D

A=1/2" TW x 5/16" H
B=21/32" TW x 13/32" H
C=7/8" TW x 17/32" H
D=1-1/4" TW x 3/4" H



Hi-Power® II Classical V-Belts

Available in A, B, C, and D sections. Typically used on HVAC, compressor, and general industrial applications.

AX, BX, CX

A=1/2" TW x 5/16" H
B=21/32" TW x 13/32" H
C=7/8" TW x 17/32" H

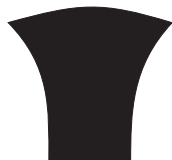


Tri-Power® Molded Notch V-Belts

Available in AX, BX, and CX sections. Typically used on HVAC, compressor, and general industrial applications. Notched construction allows smaller diameter sheaves, higher horsepower, better grip, cooler running.

3V, 5V, 8V

3V=3/8" TW x 21/64" H
5V=5/8" TW x 21/64" H
8V=1" TW x 7/8" H



Super HC® Narrow Profile V-Belts

Available in 3V, 5V, and 8V sections. Typically used on HVAC applications where there is a need for greater horsepower rating than can be achieved with classical V-Belts.

3VX, 5VX

3VX=3/8" TW x 21/64" H
5VX=5/8" TW x 35/64" H



Super HC® Narrow Profile Molded Notch V-Belts

Available in 3VX and 5VX sections. Typically used on HVAC applications where there is a need for greater horsepower rating than can be achieved with classical V-Belts. Notched construction allows smaller diameter sheaves, higher horsepower, better grip, cooler running.

Powerbands



Powerbands® ('Webbed construction')

Powerbands are available in B, C, and 5V constructions and are typically found on cooling towers and air compressors. Helps prevent span problems and belt slippage. Specify how many belts per band; from two to ten are available.

3L=3/8" TW x 7/32" H
4L=1/2" TW x 5/16" H
5L=21/32" TW x 3/8" H

3L, 4L, 5L



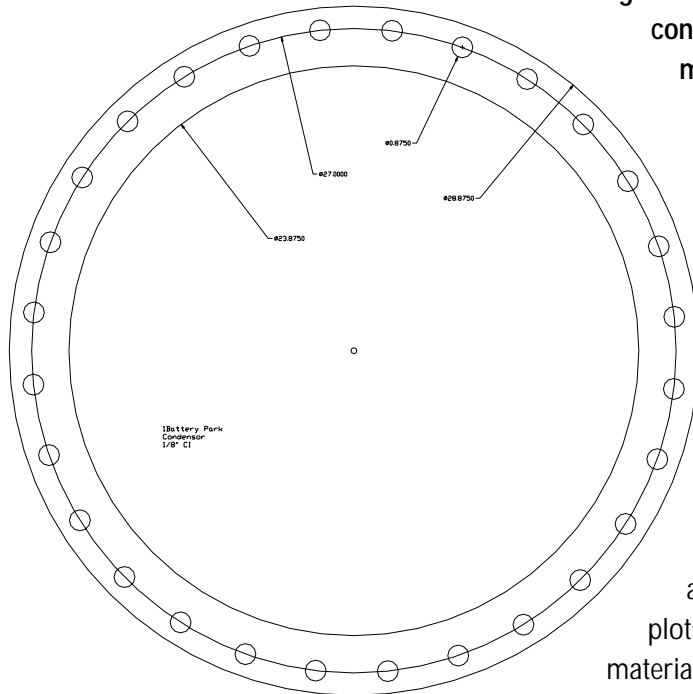
Truflex® Fractional Horsepower V-Belts (FHP)

Available in 3L, 4L, and 5L. Used in light duty applications like toilet exhausts, small fans, industrial equipment. For use with less than 1hp equipment.

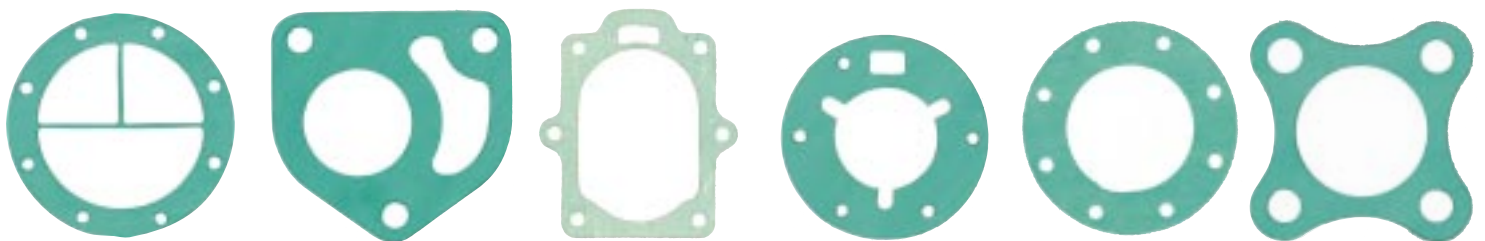
Above are Registered Trademarks of the Gates Rubber Co.

PRODUCTS: CUSTOM GASKETS

LIMCT has the knowledge, experience, and machinery to produce just about any kind of gasket. Examples of the gaskets we produce are standard pipe flange gaskets; steam trap gaskets; strainer gaskets; gauge glass gaskets; and chiller and condenser gaskets. Our high speed machinery makes it far more economical for us to produce your gaskets than you using a gasket cutter.



HVAC Gaskets. To the left is a CAD template of a round condenser gasket. Not only are we famous for producing them at far less than OEM cost, we can turn them around in a couple of days. Furthermore we were the first in the area to design HVAC gaskets using a CAD-based system. **The old way:** Someone comes to your building and picks up a set of dirty, stretched, used gaskets. Their production department does its best to make new gaskets from the old gaskets, and usually, but not always, it works. **The new way:** An LIMCT rep comes to your building and measures the actual equipment. Using the latest in CAD software, LIMCT plots a Mylar template. The exact sizes are indicated, as is the material of the gasket, the building, and the piece of equipment. This template is used to fabricate the actual gasket. The following year, instead of having to wait for a rep, you simply call LIMCT and identify your building and your equipment. Even if the template becomes lost or damaged, the computer file sits on LIMCT's server, which enables us to build another template instantly.



LIMCT can produce gaskets for any need, from oil coolers to steam traps!



Old York Strip
Used as a head gasket on York chillers.
100' rolls



New York Strip
Used as a head gasket on York chillers.
New style.
50' rolls



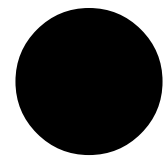
Carrier Strip
Used as a division gasket in Carrier machines.
50' rolls.



Worthington Strip
Used as a division plate gasket in Worthington and other machines.
12' rolls.



Division Plate Gasket
General usage.
Available 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4".
50' rolls.



O-Ring Cord
General usage.
Available 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4".
50' rolls.

PACKING/GASKETING TOOLS



#4 Gasket Cutter Set

Everything you need to cut gaskets up to 48" in diameter. The brass body will last a lifetime. Center pins, blades, cutting boards, and all other spare parts are always available.



Punch Set

Punch holes in gasket material the professional, easy way. The set consists of a heavy-duty punch handle with nine interchangeable punches from 1/4" through 1".



Deluxe Packing Tool Kit

A complete set of packing tools. Consists of 2 each #1 and #2 flexible packing hooks with extra replacement tips, three different rigid picks, and a packing gland wrench, all enclosed in a rustproof tool case.



Washer Punch Set

Make small gaskets and washers with a single operation. This tool set allows you to combine an ID and an OD punch. Simple, easy-to-use, highly efficient. Can also be used to punch bolt holes



Flexible Packing Hooks

Flexible high-quality packing hooks with replaceable tips. #1 is 7½", #2 is 11", and #3 is 14½". Replacement tips can be ordered separately.

PRODUCTS: PACKING & GASKETING



#330 Graphite/Teflon® Filament

Braided from the W.L. Gore Co.'s GFO® fiber (or equal). The fiber consists of Teflon® impregnated with pure graphite, resulting in a soft but tough packing. This is an excellent relatively economical general-purpose packing for high-pressure steam valve and pump service.

Maximum Temperature: 550°F



#516 Teflon®/Synthetic Fiber

Synthetic fibers are impregnated with Teflon® and braided. The packing is again impregnated with Teflon® and a start-up lubricant. Better on valves than pumps; also used in elevator applications.

Maximum Temperature: 500°F



#555 Flexible Graphite

The new state-of-the-art in mechanical packing. Pure graphite. In valve service, pack and forget. In pump service, #555 can run virtually leak-free. No heavy sacrificial lubricants. That means there are more feet per pound, and no volume loss.

Maximum Temperature: 1400°F



#400NA Steam Sheet

General-purpose non-asbestos sheet for condensate and steam. Aramid fiber and nitrile rubber.

Maximum Temperature: 700°F

Maximum Pressure: 750 PSI



IFG5500 Steam Sheet

High quality non-asbestos sheet for steam and refrigerants. Mineral fibers and nitrile rubber.

Maximum Temperature: 750°F

Maximum Pressure: 1000 PSI



#9800 Steam Sheet

Premium non-asbestos sheet for steam. Carbon fiber and SBR rubber.

Maximum Temperature: 900°F

Maximum Pressure: 1000 PSI



Red Rubber (Rainbow)

Economical SBR material for cold and hot water applications. Not oil-resistant. Usually sold 1/8" thick; also available in 1/16" and 1/4". Rolls 36" and 48".

Maximum Temperature: 180°F

Maximum Pressure: 200 PSI



Neoprene

An oil-resistant material, suitable for a wide variety of applications. Usually sold 1/8" thick; also available from 1/16" to 2" thick. Rolls 36" high.

Maximum Temperature: 190°F

Maximum Pressure: 200 PSI



Cloth-Inserted SBR

Cloth-inserted rubber for resistance to high bolt load. Not oil-resistant. Usually sold 1/8" thick. Rolls 36", 48", and 72" high.

Maximum Temperature: 220°F

Maximum Pressure: 250 PSI



Gasket Paper

An oil-resistant vegetable fiber, suitable for a wide variety of applications. Excellent pump head gasket. Available in .006", .010", 1/64", 1/32", 1/16", 3/32", and 1/8"; all 36" high.

Maximum Temperature: 200°F

Maximum Pressure: 200 PSI

Sealon 24B Expanded PTFE



A pure expanded PTFE gasket material, sold on a roll with an adhesive strip. Peel, stick, and join. No 'cold flow' characteristics. Excellent emergency gasket. Works well in steam. Available in 1/4", 3/8", 1/2", and 5/8" widths.

Maximum Temperature: 500°F

Maximum Pressure: 300 PSI

ALSO AVAILABLE

- Teflon® (steam and chemicals)
- EPDM (refrigerants)
- Buna-N (oil resistance)
- Viton® (high temperature and solvents)
- Silicone (high temperatures)
- Gum (Sealability and acid resistance)
- Open- and closed-cell sponge (insulation and weather-stripping)

Zip-Joint

A pure Teflon® cord. Can be used either as a valve packing (particularly for small valves) or as a gasket material on complex flanges.

Sold in cans 3/32", 5/32", 7/32", and 9/32".

Maximum Temperature: 500°F



Spiral-Wound Gaskets

Also known as 'Flexitallics®', these gaskets are easy to install and remove. Made especially for steam service. A thin strip of stainless steel is wound around a soft non-asbestos filler. The carbon steel centering ring acts as a guide ring, blowout preventer, and compression stop.

Maximum Temperature: 900°F

Maximum Pressure: 1000 PSI



Teflonic Gaskets

Easy to install and remove. Made especially for steam service. A corrugated stainless steel insert is jacketed with expanded PTFE.

Maximum Temperature: 550°F

Maximum Pressure: 700 PSI

PRODUCTS: MECHANICAL SEALS



Type 1B High-Pressure Balanced Seals

John Crane Type 1B mechanical seals are often found in pumps running over 180PSI, such as condenser, chilled water, and secondary water pumps. They can be recognized by the 'step' in the carbon and by the step-up shaft sleeve.



Type 1 Seals

John Crane Type 1 mechanical seals are used in lower-pressure applications in a wide variety of services.

Type 21, 21B, 2, and 2B Seals

This family of seals is used where limited room exists in the pump. Type 21B and 2B are the balanced variants.



Type 5611 High-Pressure Cartridge Seal

This seal can replace most internal single-spring seals. Type 5611 allows simple installation and replacement. All parts are shielded during installation, and set to factory tolerances, resulting in no damaged parts during installation and longer running life. Normally after initial installation pump head does not need to be removed for seal repair or replacement.

A Note on Materials

Body: Stainless Steel or Brass.

Carbon: P50 (standard) or P66 (extra hard). All high pressure seals furnished with P66 carbon.

Rubber Parts: Buna-N is standard. In condensate pumps, or very hot service, Viton® is also available.

Seats: There are four different seat materials available:

1. NI-RESIST—Inexpensive material for clean systems. Resists thermal shock. Looks like stainless steel.
2. CERAMIC—Slightly more expensive than ni-resist. Harder, but subject to cracking if mishandled or if pump switches between hot and cold services.
3. TUNGSTEN CARBIDE—Extremely hard and dense material. Pays to repair. Use with P66 carbon.
4. SILICONE CARBIDE—Hardest substance known to man except diamonds. Use with P66 carbon. Repairable.

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Gone but never forgotten



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