Safety Recommendations

For your safety and the safety of others, read and understand the safety recommendations and operating instructions before operating a nutrunner.

Always wear protective equipment:

![WARNING]
Impact resistant eye protection must be worn while operating or working near this tool.

For additional information on eye protection and face protection, refer to Federal OSHA Regulations, 29 Code of Federal Regulations, Section 1910.133., Eye and Face Protection, and American National Standards Institute, ANSI Z87.1, Occupational and Educational Eye and Face Protection. Z87.1 is available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

![CAUTION]
Personal hearing protection is recommended when operating or working near this tool.

Hearing protection is recommended in high noise areas 85 dBA or greater. The operation of other tools and equipment in the area, reflective surfaces, process noises and resonant structures can substantially contribute to, and increase the noise level in the area. Excessive air pressure 90PSIG or worn motor components can also increase sound level emitted by tool. For additional information on hearing protection, refer to Federal Regulations, Section 1910.95, Occupational Noise Exposure, and American National Standards Institute, ANSI S12.6, Hearing Protectors.

Cleco nutrunners are designed to operate on 90 psig (6.2 bar) maximum air pressure. If the tool is properly sized and applied, higher air pressure is unnecessary. Excessive air pressure increases the loads and stresses on the tool parts, sockets, and fasteners and may result in breakage. Installation of a filter-regulator-lubricator in the air supply line ahead of the tool is recommended.

Before the tool is connected to the air supply, check the throttle for proper operation (i.e., throttle moves freely and returns to closed position). Clear the air hose of accumulated dust and moisture. Be careful not to endanger adjacent personnel. Before removing a tool from service or changing sockets, make sure the air line is shut off and drained of air. This will prevent the tool from operating if the throttle is accidently engaged.

It is essential for safe operation that any operator of a nutrunner use good balance, sure footing, and proper posture in anticipation of a torque reaction. Insure that the operator's hand will not be wedged or pinched between the work and the tool when operating.

Reaction bar nutrunners are equipped with a torque reaction bar. These bars can be braced against the work or other suitable points to absorb and relieve the operator of the torque reaction transmitted by the tool. Tool balance arms are also available to absorb the torque reaction of the tool while balancing the weight of the tool for improved ergonomic applications.

![CAUTION]
If the tool is to be reversed, locate torque reaction bar in a position that will resist torque reaction and prevent entrapment. See Directions on next page.

Tools with clutches can stall rather than shut-off if adjusted over maximum power output of tool, or if there is a drop in air pressure. Reaction bar must be properly positioned to resist torque. Operator must release throttle to stop tool if this occurs. Do not use without properly positioned reaction bar.

Reversible tools can have torque reactions in either direction. The reaction bar must be properly positioned to resist the torque reaction.

![WARNING]
Repetitive work motions and/or vibration may cause injury to hands and arms.

Use minimum hand grip force consistent with proper control and safe operation.
Keep body and hands warm and dry.
Avoid anything that inhibits blood circulation.
Avoid continuous vibration exposure.
Keep wrists straight.
Avoid repeated bending of wrists and hands.

Some individuals may be susceptible to disorders of the hands and arms when performing tasks consisting of highly repetitive motions and/or exposure to extended vibration. Cumulative trauma disorders such as carpal tunnel syndrome and tendonitis can be caused or aggravated by repetitive, forceful exertions of the hands and arms. Vibration may contribute to a condition called Raynaud's Syndrome. These disorders develop gradually over periods of weeks, months, and years. It is presently unknown to what extent exposure to vibrations or repetitive motions may contribute to the disorders. Hereditary factors, vasculatory or circulatory problems, exposure to cold and dampness, diet, smoking and work practices are thought to contribute to the conditions.

Any tool operator should be aware of the following warning signs and symptoms so that a problem can be addressed before it becomes a debilitating injury. Any user suffering prolonged symptoms of tingling, numbness, blanching of fingers, clumsiness or weakened grip, nocturnal pain in the hand, or any other disorder of the shoulders, arms, wrists, or fingers is advised to consult a physician. If it is determined that the symptoms are job related or aggravated by movements and postures dictated by the job design, it may be necessary for the employer to take steps to prevent further occurrences. These steps might include, but are not limited to, repositioning the workpiece or redesigning the workstation, reassigning workers to other jobs, rotating jobs, changing work pace, and/or changing the type of tool used so as to minimize stress on the operator. Some tasks may require more than one type of tool to obtain the optimum operator/tool/task relationship.
The following suggestions will help reduce or moderate the effects of repetitive work motions and/or extended vibration exposure:

- Use a minimum hand grip force consistent with proper control and safe operation
- Keep body and hands warm and dry (cold weather is reported to be a major factor contributing to Raynaud's Syndrome)
- Avoid anything that inhibits blood circulation
  —Smoking Tobacco (another contributing factor)
  —Cold Temperatures
  —Certain Drugs
- Tasks should be performed in such a manner that the wrists are maintained in a neutral position, which is not flexed, hyperextended, or turned side to side.
- Stressful postures should be avoided — select a tool appropriate for the job and work location
- Avoid highly repetitive movements of hands and wrists, and continuous vibration exposure (after each period of operation, exercise to increase blood circulation)
- Keep tool well maintained and replace worn parts

For more information on the safe use of portable air tools, see the latest edition of ANSI B186.1, Safety Code for Portable Air Tools, available from the American National Standards Institute, Inc. 11 West 42nd Street, New York, NY 10036.

This information is a compilation of general safety practices obtained from various sources available at the date of production. However, our company does not represent that every acceptable safety practice is offered herein, or that abnormal or unusual circumstances may not warrant or require additional procedures. Your work may require additional specific safety procedures. Follow these procedures as required by your company.

Warning Labels
The warning labels found on these tools are an essential part of this product. Labels should not be removed. Labels should be checked periodically for legibility. Replace warning labels when missing or when the information can no longer be read. Replacement labels can be ordered as any spare part.

---

The reaction bar is secured to the tool and braced against the work in the opposite direction of spindle rotation. This will transfer the torque reaction from the tool to the work.
OPERATING INSTRUCTIONS

55 STALL-TYPE NUTRUNNERS
The 55 stall-type nutrunner is designed to develop maximum rated torque at 90 psig. Torque output is controlled by a pressure regulator in the air supply line. Adjust the regulator until the desired torque is reached.

55 CLECOMATIC NUTRUNNERS
The 55 Clecomatic nutrunner is designed to operate on 90 psig maximum air pressure but does not depend on controlled air pressure to maintain accurate torque. Accurate torque is achieved by setting the Clecomatic clutch to the desired torque on the application. The tool will shut off automatically at this torque. Releasing the throttle will allow the tool to reset for the next cycle.

CAUTION If the clutch is adjusted over the maximum power output of the tool, the clutch will not function and the tool will operate like a stall-type tool. Also, if the tool is being operated at its upper torque limits, a drop in air pressure could cause the clutch not to function due to a loss of motor power and the tool will function like a stall-type tool. If the tool stalls the operator must release throttle to stop tool.

Reaction bar must be properly positioned against adequate stop. Do not use without reaction bar.

CLECOMATIC CLUTCH ADJUSTMENT
Depress the pin, No. 864711, and rotate the adjustment cover, No. 867677, 180° so it lines up with the adjustment slot. With the angle head end of the tool facing outward, away from the operator, use a 1/8" diameter pin to rotate the adjustment nut, No. 867678, clockwise to increase the torque and counterclockwise to decrease the torque.

Note: The steel ball, No. 844077, is a positive lock for the adjustment nut and must be in place in a locking slot before the adjusting cover is rotated to the locked position after each clutch adjustment is completed.

55 JOINT RATE NUTRUNNERS
The 55 joint rate tool is designed to give repeatable torque and automatic shut off, regardless of the joint conditions (i.e. soft pull, hard pull). Target torque is achieved through the use of an in-line pressure regulator.

Note: To ensure automatic shut off, the air pressure should not be adjusted below 40 psig at the tool, with the tool operating.

METERING VALVE
The metering nut No. 203203, can be adjusted with a hex wrench clockwise to lower the RPM of the tool or counterclockwise to raise the RPM of the tool.

AIR SUPPLY
For maximum performance, use a 3/8" I.D. air hose no longer than 8' in length. If additional length is required, a 1/2" or larger hose should be connected to the 3/8" hose.

The air hose should be cleared of accumulated dirt and moisture, then one (1) teaspoon of 10W machine oil should be poured into the tool's air inlet before connecting the hose to the tool.

LUBRICATION
An automatic in-line filter-lubricator is recommended as it increases tool life and keeps the tool in sustained operation. The in-line lubricator should be regularly checked and filled with a good grade of 10W machine oil. Proper adjustment of the in-line lubricator is performed by placing a sheet of paper next to the exhaust ports and holding the throttle open approximately 30 seconds. The lubricator is properly set when a light stain of oil collects on the paper. Excessive amounts of oil should be avoided.

Application of the tool should govern how frequently it is greased. It is recommended that the idler gears receive a generous amount of NLGI 2-EP grease through the grease fittings after 40 hours of operation.

STORAGE
In the event that it becomes necessary to store the tool for an extended period of time (overnight, weekend, etc.), it should receive a generous amount of lubrication at that time and again when returned to service. The tool should be stored in a clean and dry environment.

SERVICE INSTRUCTIONS

DISASSEMBLY — GENERAL
Stall Tools
To disassemble the tool, clamp the motor housing lightly in a soft-jawed vise with the tool in a vertical position. Using a suitable wrench, loosen and remove the gear case. Using a soft-faced mallet, tap the front of the motor housing to remove the motor unit.

Automatic Shut-Off Tools
To disassemble the tool, clamp the flats of the clutch housing in a soft-jawed vise and loosen the gear case. Clamp motor housing in the vise and using a suitable wrench, loosen and remove the gear case. Using a soft-faced mallet, tap the front of the motor housing to remove the motor unit.

SUB-ASSEMBLY DISASSEMBLY
Gear Train
The complete gear train may be slipped out of the rear of the gear case. By driving the idler gear pins out of the rear of the spiders, the idler gears can be removed from the spider pockets.

Clecomatic Clutch
Remove the adjustment cover by sliding it off the back of the clutch housing. Be careful not to lose the steel ball, No. 844077, that will drop out at this time. Using the slots provided on the rear face of the adjusting nut, No. 867678, unscrew it from the clutch housing. The torque spring bearing, No. 867683; spring plate, No. 867669; and torque spring, No. 869626, will come out through the rear of the clutch housing. With a soft mallet, tap on the gear end of the clutch to remove it from the clutch housing. By removing the retainer ring, No. 847022; the drive shaft washer, No. 867666; trip sleeve spring, No. 842056; trip sleeve, No. 867670; and two (2) steel balls, No. 842161, can be

STORAGE
In the event that it becomes necessary to store the tool for an extended period of time (overnight, weekend, etc.), it should receive a generous amount of lubrication at that time and again when returned to service. The tool should be stored in a clean and dry environment.
removed from the drive shaft. Remove the clutch cam bearing, No. 619377, with a suitable puller. Using a sharp instrument, remove the spiral ring, No. 865436. This will allow the clutch cam, No. 867676; three (3) steel balls, No. 842161; trip plunger spring, No. 867671; and trip plunger, No. 867668, to be removed through the front of the drive shaft. To remove the six (6) steel balls, No. 844265, slide the ball retainer, No. 867673, off over the rear of the drive shaft.

**Motor Unit**
Clamp the cylinder lightly in the vise with the gear end of the rotor up. Note: The rotor pinion, No. 867524, used on the and models should be removed at this time. Drive the rotor out of the front rotor bearing, No. 619377. Be careful not to damage the rotor. The front bearing plate, No. 867536, cylinder, and rotor blades, No. 869569, can now be removed from the rotor. Clamp the body of the rotor in the vise with the rear bearing plate up. After unscrewing the bearing lock nut, No. 865352, the rotor can be driven out of the rear rotor bearing.

**Motor Housing**
Unscrewing the throttle valve cap, No. 864531, will allow removal of the throttle valve for inspection of the throttle valve seal, No. 847366. Drive out the throttle lever pin, No. 847808, for removal of the throttle lever, No. 847505. The exhaust deflector, No. 869736, and muffler, No. 869735, can be slipped off the rear of the housing after the rear "O"-ring, No. 864737, is removed. On the automatic shut-off tools, the valve block, No. 867682, and shut-off valve, No. 867667, can be removed from the front of the housing.

**REASSEMBLY**
The tool is reassembled in the reverse order of disassembly. Clean all parts thoroughly in kerosene and inspect for damage or wear. Check all bearings for wear which can be detected by excessive end play and/or roughness which would indicate a brinelled condition. The rotor blades should be replaced at every repair cycle or if they measure less than 7/32" (5.6mm) at either end.

All gear teeth, bearings, and pins should receive a close inspection and be replaced if necessary.

To assemble the motor, install the rear rotor bearing into the rear bearing plate. Make sure the outer bearing race is firmly seated in the bearing plate. Clamp the rotor body lightly in the vise with the threaded end up and slip the rear bearing plate assembly onto the rotor shaft far enough for the bearing lock nut to start. Tighten the lock nut until there is approximately .001"/.0015" clearance between the rotor and bearing plate. The outer bearing race should be firmly seated and the rotor bumped forward when checking this clearance. Pack both rotor bearings with a good grade of NLGI 2-EP grease after assembly of the motor unit.

Note: During reassembly of the complete tool, it is important that the motor be free. After the tool is completely assembled, the square drive spindle should turn freely using a small hand wrench. If the spindle does not turn freely, the motor should be checked for proper spacing. Do not run the tool until the spindle turns freely. Failure to do this could result in damage to motor components.

During reassembly of the gear train, all of the various gears and bearings should receive a generous amount of No. 2 Moly grease.

The clutch is assembled in the reverse order of disassembly. The torque spring bearing, No. 867683, must be assembled so the solid side of the ball separator is facing toward the torque spring.

During reassembly of the stall tools, the motor make-up plate, No. 869059, should be installed with the opening toward the grease fitting inside the motor housing. During reassembly on the automatic shut-off tools, the tip rod must be ground flush (+0 to - 1/32) with the hex end of the rotor. Hold the motor firmly in the housing at the time the trip rod is being sized to length.

Pour a few drops of 10W machine oil into the air inlet after complete assembly to insure immediate lubrication of all motor parts when air is applied.

**SAFETY CHECK**
After repair or replacement of parts, tools equipped with an automatic shut-off device should be tested to verify that they are functioning properly.
### PARTS LIST — CLECOMATIC CLUTCH

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>202056</td>
<td>Trip Sleeve Spring</td>
<td>1</td>
<td>867670</td>
<td>Trip Sleeve</td>
<td>1</td>
</tr>
<tr>
<td>619377</td>
<td>Clutch Cam Bearing</td>
<td>1</td>
<td>867671</td>
<td>Trip Plunger Spring</td>
<td>1</td>
</tr>
<tr>
<td>842161</td>
<td>Steel Ball 3/16&quot; Dia.</td>
<td>5</td>
<td>867673</td>
<td>Ball Retainer</td>
<td>1</td>
</tr>
<tr>
<td>844077</td>
<td>Steel Ball 5/16&quot; Dia.</td>
<td>1</td>
<td>867674</td>
<td>Drive Shaft</td>
<td>1</td>
</tr>
<tr>
<td>844265</td>
<td>Steel Ball 1/8&quot; Dia.</td>
<td>6</td>
<td>867676</td>
<td>Clutch Cam</td>
<td>1</td>
</tr>
<tr>
<td>847022</td>
<td>Washer Retainer Ring</td>
<td>1</td>
<td>867677</td>
<td>Adjustment Hole Cover</td>
<td>1</td>
</tr>
<tr>
<td>864711</td>
<td>Pin</td>
<td>1</td>
<td>867678</td>
<td>Adjustment Nut</td>
<td>1</td>
</tr>
<tr>
<td>864712</td>
<td>Pin Spring</td>
<td>1</td>
<td>867681</td>
<td>Clutch Housing (incl. 864711, 864712, 869263)</td>
<td>1</td>
</tr>
<tr>
<td>865436</td>
<td>Spiral Ring</td>
<td>1</td>
<td>867683</td>
<td>Torque Spring Bearing</td>
<td>1</td>
</tr>
<tr>
<td>867666</td>
<td>Drive Shaft Washer</td>
<td>1</td>
<td>869263</td>
<td>Pin Sleeve</td>
<td>1</td>
</tr>
<tr>
<td>867669</td>
<td>Trip Plunger</td>
<td>1</td>
<td>869626</td>
<td>Torque Spring</td>
<td>1</td>
</tr>
<tr>
<td>867669</td>
<td>Torque Spring Plate</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The complete clutch with housing can be purchased as a subassembly using Part No. 861847.
55 JOINT RATE CLUTCH

PARTS LIST — JOINT RATE CLUTCH

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>201398</td>
<td>DRIVE SHAFT SUBASSEMBLY</td>
<td>1</td>
<td>865779</td>
<td>PIN</td>
<td>1</td>
</tr>
<tr>
<td>412055</td>
<td>RETAINER RING</td>
<td>1</td>
<td>869564</td>
<td>PLUNGER</td>
<td>1</td>
</tr>
<tr>
<td>619377</td>
<td>BALL BEARING</td>
<td>1</td>
<td>869567</td>
<td>HOUSING</td>
<td>1</td>
</tr>
<tr>
<td>842274</td>
<td>STEEL BALL (5/32&quot;)</td>
<td>1</td>
<td>869568</td>
<td>PLUNGER SPRING</td>
<td>1</td>
</tr>
<tr>
<td>847807</td>
<td>SPRING</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The complete clutch with housing can be purchased as a subassembly using Part No. 861019.
## PARTS LIST — MOTOR

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>203100</td>
<td>Rotor-Hex (Non-Rev. Automatic Shut-off)</td>
<td>1</td>
</tr>
<tr>
<td>203101</td>
<td>Cylinder (Non-Reversible) - incl. 8863887</td>
<td>1</td>
</tr>
<tr>
<td>203102</td>
<td>Rotor- 7T (Non-Reversible Stall)</td>
<td>1</td>
</tr>
<tr>
<td>203103</td>
<td>Cylinder (Reversible) - incl. 812164</td>
<td>1</td>
</tr>
<tr>
<td>619377</td>
<td>Front Rotor Bearing</td>
<td>1</td>
</tr>
<tr>
<td>812165</td>
<td>Reversible Cylinder Pin</td>
<td>1</td>
</tr>
<tr>
<td>843444</td>
<td>Rear Rotor Bearing (Non-Reversible)</td>
<td>1</td>
</tr>
<tr>
<td>847096</td>
<td>Rear Rotor Bearing (Reversible)</td>
<td>1</td>
</tr>
<tr>
<td>847603</td>
<td>Alignment Pin (Reversible)</td>
<td>1</td>
</tr>
<tr>
<td>863468</td>
<td>Trip Rod (Automatic Shut-off)</td>
<td>1</td>
</tr>
<tr>
<td>863887</td>
<td>Non-Reversible Cylinder Pin</td>
<td>1</td>
</tr>
<tr>
<td>865352</td>
<td>Rotor Lock Nut</td>
<td>1</td>
</tr>
<tr>
<td>867528</td>
<td>Motor spacer (stall Only)</td>
<td>1</td>
</tr>
<tr>
<td>867536</td>
<td>Front Bearing Plate</td>
<td>1</td>
</tr>
<tr>
<td>869569</td>
<td>Rotor Blade</td>
<td>1</td>
</tr>
<tr>
<td>869660</td>
<td>Rear Bearing Plate (Reversible)</td>
<td>1</td>
</tr>
<tr>
<td>869570</td>
<td>Rotor-Hex (Reversible Automatic Shut-off)</td>
<td>1</td>
</tr>
<tr>
<td>869572</td>
<td>Rear Bearing Plate (Non-Reversible)</td>
<td>1</td>
</tr>
<tr>
<td>869573</td>
<td>Rotor- 7T (Reversible Stall)</td>
<td>1</td>
</tr>
</tbody>
</table>
## PARTS LIST — HANDLE

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>NAME OF PART</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>202011</td>
<td>SEAL RING</td>
<td>1</td>
<td>622881</td>
<td>&quot;O&quot;-RING 7/8&quot; X 1- 1/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>202055</td>
<td>THROTTLE VALVE</td>
<td>1</td>
<td>832079</td>
<td>SPRING</td>
<td>1</td>
</tr>
<tr>
<td>202481</td>
<td>THROTTLE VALVE PIN</td>
<td>1</td>
<td>843656</td>
<td>AIR INLET SCREEN</td>
<td>1</td>
</tr>
<tr>
<td>202508</td>
<td>INLET SPACER</td>
<td>1</td>
<td>845090</td>
<td>LEVER PIN</td>
<td>1</td>
</tr>
<tr>
<td>202626</td>
<td>EXHAUST DEFLECTOR</td>
<td>1</td>
<td>847275*</td>
<td>&quot;O&quot;-RING 1- 1/16&quot; X 1- 3/16&quot;</td>
<td>1</td>
</tr>
<tr>
<td>202628</td>
<td>REVERSING VALVE SLEEVE</td>
<td>1</td>
<td>863468*</td>
<td>TRIP ROD</td>
<td>1</td>
</tr>
<tr>
<td>202632</td>
<td>MUFFLER</td>
<td>1</td>
<td>864973</td>
<td>THROTTLE VALVE SPRING</td>
<td>1</td>
</tr>
<tr>
<td>202632</td>
<td>MUFFLER</td>
<td>1</td>
<td>865063</td>
<td>THROTTLE LEVER</td>
<td>1</td>
</tr>
<tr>
<td>203110</td>
<td>MOTOR HOUSING (NON-REV.)</td>
<td>1</td>
<td>867554</td>
<td>REVERSING VALVE SCREW</td>
<td>1</td>
</tr>
<tr>
<td>203111</td>
<td>MOTOR HOUSING (REV.)</td>
<td>1</td>
<td>867667*</td>
<td>SHUT-OFF VALVE</td>
<td>1</td>
</tr>
<tr>
<td>203202</td>
<td>INLET BUSHING</td>
<td>1</td>
<td>867682*</td>
<td>VALVE BLOCK</td>
<td>1</td>
</tr>
<tr>
<td>203203</td>
<td>METERING NUT</td>
<td>1</td>
<td>869655</td>
<td>MOTOR SPACER</td>
<td>1</td>
</tr>
<tr>
<td>617754</td>
<td>&quot;O&quot;-RING 2&quot; X 2/8&quot;</td>
<td>2</td>
<td>869659</td>
<td>REVERSING VALVE</td>
<td>1</td>
</tr>
<tr>
<td>619164</td>
<td>&quot;O&quot;-RING 1- 9/16&quot; X 1- 3/4&quot;</td>
<td>1</td>
<td>869931</td>
<td>THROTTLE VALVE SEAT</td>
<td>1</td>
</tr>
<tr>
<td>622062</td>
<td>&quot;O&quot;-RING 7/8&quot; X 1- 1/16&quot;</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Denotes parts not included in subassemblies listed below.

The complete motor housing can be purchased as a subassembly using the part numbers listed below.

55NAL - 201302  
55RNAL - 201317 (incl. 867667)  
55NJL - 201302  
55RNL - 201305  
55NL - 201302
Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Dallas, TX
Apex Tool Group
Sales & Service Center
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: 972-641-9563
Fax: 972-641-9674

Detroit, MI
Apex Tool Group
Sales & Service Center
2630 Superior Court
Auburn Hills, MI 48326
Tel: 248-391-3700
Fax: 248-391-7824

Houston, TX
Apex Tool Group
Sales & Service Center
6550 West Sam Houston
Parkway North, Suite 200
Houston, TX 77041
Tel: 713-849-2364
Fax: 713-849-2047

Lexington, SC
Apex Tool Group
Sales & Service Center
670 Industrial Drive
Lexington, SC 29072
Tel: 800-845-5629
Tel: 803-951-7544
Fax: 803-358-7681

Los Angeles, CA
Apex Tool Group
Sales & Service Center
15503 Blackburn Avenue
Norwalk, CA 90650
Tel: 562-623-4457
Fax: 562-802-1718

Seattle, WA
Apex Tool Group
Sales & Service Center
2865 152nd Avenue N.E.
Redmond, WA 98052
Tel: 425-497-0476
Fax: 425-497-0496

York, PA
Apex Tool Group
Sales & Service Center
3990 East Market Street
York, PA 17402
Tel: 717-755-2933
Fax: 717-757-5063

Canada
Apex Tool Group
Sales & Service Center
5925 McLaughlin Road
Mississauga, Ont. L5R 1B8
Tel: 905-501-4785
Fax: 905-501-4786

Germany
Cooper Power Tools GmbH & Co. OHG
a company of Apex Tool Group, LLC
Industriestraße 1
73463 Westhausen
Germany
Tel: +49 (0) 73 63 81 0
Fax: +49 (0) 73 63 81 222

England
Cooper Power Tools GmbH & Co. OHG
a company of Apex Tool Group, LLC
C/O Spline Gauges
Piccadilly, Tamworth
Staffordshire B78 2ER
United Kingdom
Tel: +44 1827 8741 28
Fax: +44 1827 8741 28

France
Cooper Power Tools SAS
a company of Apex Tool Group, LLC
25 rue Maurice Chevalier
77330 Ozoir-La-Ferrière
France
Tel: +33 1 6443 2200
Fax: +33 1 6443 1717

China
Cooper (China) Co., Ltd.
a company of Apex Tool Group, LLC
955 Sheng Li Road,
Hequng Pudong, Shanghai
China 201201
Tel: +86-21-28994176
Fax: +86-21-5118446

Mexico
Cooper Tools de México S.A. de C.V.
a company of Apex Tool Group, LLC
Vialidad El Pueblito #103
Parque Industrial Querétaro
Querétaro, QRO 76220
Mexico
Tel: +52 (442) 211-3800
Fax: +52 (442) 103-0443

Brazil
Cooper Tools Industrial Ltda.
a company of Apex Tool Group, LLC
Av. Liberdade, 4055
Zona Industrial - Iporanga
18087-170 Sorocaba
SP Brazil
Tel: +55 15 2383929
Fax: +55 15 2383260

Hungary
Cooper Tools Hungaria Kft.
a company of Apex Tool Group, LLC
Berkenyefa sor 7
Pf: 640
9027 Győr
Hungary
Tel: +36 96 66 1383
Fax: +36 96 66 1135