It is the OWNER’S RESPONSABILITY to communicate information on the SAFE USE and OPERATION of this machine to the operators.
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1. SERIAL NUMBER LOCATION

The model/serial number decal is located on the shroud assembly (black).

(Write model number)

(Write serial number)

The unit’s year of manufacture can be determined by the serial number. Contact your nearest sales branch or [ ] for more information.

This Unit warranty is stated in this Operational and Safety manual on page 16. Failure to return warranty registration card renders the warranty null and void.

An engine owner’s manual is also attached to every unit. Engine parts may order from any authorized dealer. Refer to the engine owner’s manual to learn about specifications and part identification.

2. PARTS ORDERING PROCEDURE:

[ ] Parts are available worldwide and must be ordered through your local distributor. If you can’t locate the distributor in your area refer to page 17 of this manual to locate the nearest branch and contact numbers for assistance.

Grinders are intended for use in several applications. They are powered by four stroke gas engines or electric motors and are available in different sizes and manufacturers.

This Operation manual contains only standard parts. Variations of these parts as well as other special parts are not included. Contact your local distributor for assistance in identifying parts not included in this manual.

ALWAYS HAVE READY:

1. Model and serial number of machine when ordering parts.
2. Model and serial number of engine when ordering engine parts.
3. Item part number(S), description, and quantity.
4. Company name, address, zip code, and purchase order number.
5. Preferred method of shipping.
REMEMBER – You own the best. If repairs are needed, use only purchased parts from authorized distributors.

3. ASSEMBLING INSTRUCTIONS

UNPACKING

1. Remove the unit and all components from its shipping crate. You will see:
   - Preassembled grinder
   - Grinders weight kit.
   - Carbide cutters or tungsten cutters (if they were purchased separately).

FINAL ASSEMBLING

Surface Grinders are shipped completely assembled with the exception of Grinders weight kit and the grinding rocks.

Note: All installation hardware must be inserted into its respective location on the equipment, see parts explosion for more details.

1. Using appropriated equipment, bring the unit to the ground from its shipping pallet.

   Warning: failure to use proper lifting equipment could cause the equipment to fall and cause serious injury.

4. SAFETY PRECAUTIONS

READ AND STUDY THE FOLLOWING SAFETY INFORMATION BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT. IN ADDITION, ENSURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

WARNING - LETHAL EXHAUST GAS!
An internal combustion engine discharges carbon monoxide, which is a poisonous and odorless invisible gas. Death or serious illness may result if inhaled. Operate only in an area with good ventilation, NEVER IN A CONFINED AREA!

WARNING - DANGEROUS FUELS!
Use extreme caution when storing, handling and using fuels - they are highly volatile and explosive in the vapor state. Do not add fuel while engine is running. Stop and cool the engine before adding fuel.

DO NOT SMOKE WHEN REFUELING!

SAFETY GUARDS
It is the owner’s responsibility to ensure ALL GUARDS AND SHIELDS are in place and in working order.
IGNITION SYSTEMS
Breakerless magneto and batteries ignition systems CAN CAUSE SEVERE ELECTRICAL SHOCKS, avoid contact with these components or their wiring.

SAFE DRESS
DO NOT WEAR loose clothing, rings, wristwatches, etc., near machinery.

NOISE PROTECTION
Wear O.S.H.A. specified hearing protection devices.

FOOT PROTECTION
Wear O.S.H.A. specified steel tip safety shoes.

HEAD PROTECTION
Wear O.S.H.A. specified safety helmets.

EYE PROTECTION
Wear O.S.H.A. specified eyes shields, safety glasses, and sweat bands.

DUST PROTECTION
Wear O.S.H.A. specified dust mask or respirator.

OPERATOR
Keep children and bystanders off and away from the equipment. Only trained Operators who fully understand its safety operation must use this equipment.

For details on safety rules and regulations in the United States, contact your local Occupational Safety and Health Administration (O.S.H.A.) office. Equipment operated in other countries must be operated and serviced in accordance and compliance with any and all safety requirements of such country. The publication of these safety precautions is done for your information does not by the publication of these precautions, imply or in any way represent that these are the sum of all dangers present near equipment. If you are operating a unit it is your responsibility to insure that such operation is in full accordance with all applicable safety requirements and codes. All requirements of the United States Federal Occupational Safety and Health Administration Act must be met when operated in areas that are under the jurisdiction of that United States Department.

5. SAFETY NOTICE & DECALS

The "SAFETY ALERT SYMBOL" is used to call attention to items or operations that may be dangerous to those operating or working with this equipment. These symbols can be found throughout the manual and on the unit itself. Please read these warnings and cautions carefully.
READ SAFETY DECALS CAREFULLY

Carefully read and follow all safety decals. Keep them in good conditions. If they become aged, replace as required. If repainting, REPLACE ALL decals. Decals are available from your authorized Distributors. Decals are not shown to scale.

201155

201157

IMPORTANT NOTICE

The "SAFETY ALERT SYMBOL" is used to call attention to items or operations that may be dangerous to those operating or working with this equipment. These symbols can be found throughout the manual and on the unit itself. Please read these warnings and cautions carefully.
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Carefully read and follow all safety decals. Keep them in good condition. If they become aged, replace as required. If repainting, REPLACE ALL decals. Decals are available from your authorized Distributors. Decals are not shown to scale.
<table>
<thead>
<tr>
<th>SAFETY PRECAUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DANGER</strong></td>
</tr>
<tr>
<td>EXPLOSION HAZARD</td>
</tr>
<tr>
<td>Never operate the machine in an explosive atmosphere, near combustible materials or where ventilation does not clear exhaust fumes.</td>
</tr>
<tr>
<td><strong>WARNING</strong></td>
</tr>
<tr>
<td>BURN HAZARD</td>
</tr>
<tr>
<td>Never come into contact with the engine or muffler when engine is operating or shortly after it is turned off. Serious burns may occur.</td>
</tr>
<tr>
<td><strong>CAUTION</strong></td>
</tr>
<tr>
<td>MOVING PARTS</td>
</tr>
<tr>
<td>Before starting the machine ensure that all guards and safety devices are in place and functioning properly.</td>
</tr>
<tr>
<td><strong>CAUTION</strong></td>
</tr>
<tr>
<td>MACHINE DAMAGE</td>
</tr>
<tr>
<td>Advance cutter depth in small increments to avoid premature wear or damage.</td>
</tr>
<tr>
<td><strong>ATTENTION</strong></td>
</tr>
<tr>
<td>READ OWNERS MANUAL</td>
</tr>
<tr>
<td>Read and understand operator's manual before using this machine. Failure to follow operating instructions could result in serious injury or death.</td>
</tr>
</tbody>
</table>
6. BEFORE OPERATING

- **REMEMBER!** It is the owner’s responsibility to communicate information on the safe use and proper operation of this unit to the operators. Before operating, review SAFETY PRECAUTIONS listed on page 6 of this manual. Familiarize yourself with the operation of the unit and confirm that all controls function properly BEFORE starting engine.
- Locate the killing switch and assure you know how to STOP the unit.
- Make sure hands, feet, and clothing are at a safe distance from any moveable parts prior to starting.
- Shrouds and guards are provided to protect the operator or structures in close proximity to rotating hot engine parts. It is the RESPONSIBILITY OF THE OPERATOR to see that they are properly in place. **NEVER** operate this equipment without a guard.
- **OIL LEVEL** - Check the oil level in the engine. For more information see "Lubrication" under the engine "Owner’s Manual" the "Maintenance" section of this manual. All Equipment come without oil, running an engine without lubrication may damage the engine.
- **AIR CLEANER** - Check to ensure elements are in good condition and properly installed. Review every decal with the OPERATOR.
- **FUEL SUPPLY** - Engines on equipment require an automotive grade of clean, fresh, unleaded or regular gasoline. **All equipment’s come without gasoline and oil.**
- **FUEL FILTER** - Check to ensure element is in good condition... Replace if it is clogged or damaged.
- **LUBRICATION POINTS** – Grease wheels, Drive Shaft and bushing daily.
- **SPARK PLUG (GAS UNIT)** – Check and clean spark plugs regularly. A fouled, dirty or carbonated spark plug may cause difficulties starting and poor engine performance. Set spark plug gap to recommended clearance. Refer to engine manual.
- **POSITION** – The only operating position for this grinder is at the rear of the equipment. If the operator must leave this position the engine must be shut down.
- **SPECTATORS** – Keep all personnel/spectators away from the Grinder while running. This spinning equipment can throw segments and can cause injuries.
7. STARTING ENGINE/AIR

**GAS ENGINE**

1. With the Grinder engine level in the ground check oil level and add oil and fuel as required.
2. Pull the stop switch on the unit to its "Out" position.
3. Prior to starting engine, raise the cutter cage assembly using the hand knob lever, so that cutters do not touch the ground surface, "IDLE" POSITION, and secure the lever with the locking handle.
4. Move the engine throttle control to the "FAST" position.
5. Choke the engine if necessary. (You may not need to choke a warm engine)

![IMPORTANT]

Engine warranty is void if the engine is run without oil.

**BEFORE STARTING ENGINE MAKE SURE ALL GUARDS ARE IN PLACE.**

6. Pull the starter string.
7. After the engine starts, move the choke lever to the open position, move the throttle level to the "IDLE" position and let the engine warm-up for one or two minutes.

8. To stop the engine, make sure to let the engine idle before stopping by using the crank lift handle to raise the grinder cutters height.
10. Close the fuel valve.

**ELECTRIC MOTOR**

1. With the cage in maximum raised position, plug the motor into a suitable power source.
2. Move the switch on the motor to the "ON" position.
3. It is recommended to let the motor idle before running and stopping by using the crank lift handle to raise the grinder cutters height.

**STOPPING PROCEDURE:**

With machine in upright position, adjust the cutter cage to maximum height by turning the height adjustment knob to its farthest position. (This ensures clearance for the rotating cage.)

GASUNIT – Stop engine by depressing kill switch button located at top of handle.
ELECTRIC UNIT – Turn off switch on handle.
STOP THE ENGINE OR ELECTRIC MOTOR BEFORE:

- Adding fuel.
- Leaving equipment unattended for any amount of time.
- Making any repairs or adjustments to the unit.
- Lifting/Transportation.

8. OPERATION INSTRUCTIONS

1. Before starting the engine, raise the front of the machine to a clear working surface.
2. Start the engine and allow it to reach operating speed. Position the grinder at a starting point and back continuously, and do not force the machine into the work, the engine or motor should not strain when grinding.
3. When wet grinding, water is required. Attach the water hose to the water hook-up valve. Use the water valve to control flow.
4. For dry grinding, provide respiratory and dust control system.
5. For gasoline models, put the engine stop switch in the run position. Consult the engine manufacturers operating manual and follow the directions to run/stop engine.
6. To stop the machine, stop forward motion. On gasoline models push the throttle to idle. Turn ignition or power switch off and let the engine comes to a completely stop. Tur off the water supply.
7. When maneuvering the grinder, tilt grinder back enough so it doesn’t strike the slab surface. Damage to accessories may occur with inadvertent contact with the slab.

NEVER FORCE THE GRINDER INTO THE SURFACE TO A POINT WHERE THE EQUIPMENT STARTS BOUNCING

8. If the power source fails, raise the grinder off of the floor. Disconnect power source, inspect accessories for damage. Replace damage (or questionable) accessories before re-starting the equipment.
9. When transporting the grinder, disconnect the power source before lifting or removing any guard.
10. When hosting or lifting grinder, always inspect frame and attaching hardware for damage before lifting. Use proper safer hoisting and lifting equipment to prevent injuries.
TYPICAL GRINDER APPLICATIONS

- Leaving uneven joints.
- Light grinding or concrete surfaces cleaning.
- Remove mastics, thin-sets, high spots, epoxies and urethanes.
- Trailed and stabilizers included.
- Lightly texturized concrete surfaces.
- Sidewalk Repairs.
- Concrete Removal.
- Floor Cleaning/Preparation.
- Concrete texturized lines removal.
- Creating non-slipping surfaces.

9. SERVICE INSTRUCTIONS

Never service or lubricate the unit engine while running.
After servicing the unit, restore and fasten all guards, shields, and covers to their original positions.
Never drain oil into the ground, into open streams, or down sewage drains.
Keep air filter clean at all times. Wash away dust and debris using a non-oil based cleaning solvent. Let the filter dry before re-installing.

WHEN LIFTING/LOWERING ALWAYS:
1. Set the machine in an upright position and adjust the cutter cage to maximum height by turning the height adjustment knob to its farthest position. (This will ensure clearance for the rotation cage.)
2. Stop the engine or electric motor.
3. REMOVE GRINDING ACCESORIES.
4. Lift the cutting guide to avoid any contact with the head.
5. Secure any other hardware on the machine.
6. Make sure you use appropriated lifting equipment to lift equipment.
7. Do not position yourself where you could possibly be pinched / caught between the equipment and some other obstacle.

TOWING
1. Move Grinder on the jobsite by hand pushing. Do not tow the unit with another vehicle. The grinder may be damage if towed.
STORING
1. Drain fuel tank.
2. Clean drive shaft, threats. Coat parts with grease.
3. Lube all bearings
4. Empty water system
5. Clean all moving parts with WD-40 lubricant.
6. Lower unit completely.
7. Cover unit for protection.

ENGINE

See engine owner’s manual maintenance schedule.

LUBRICATION
1. Grease wheels, and knob lever daily. Use high quality gun grease.
2. Keep a coating of grease on the drive shaft and threads for easy installation or removal and longer bushing life.

SPARK PLUG

BELT TENSION
1. If there is excessive belt play, there will be a decrease in the grinding action, which could cause cage and machine damage. The normal belt play should be 3/8” to 1/2” which is attained by depressing the top section of the belt at the belt guard mounting bracket location. When adjusting the belt make sure that the drive pulley is in alignment with cage pulley. Tighten all engine mount bolts, adjust the two engine-stop bolts, and tighten lock nuts.

ACCESSORIES INSTALLATION/REMOVAL
1. To install and accessory there are several different types but all are installed in the same manner, use a brass rod or similar mal-able material to drive the wooden wedge into place as shown in the below illustrations, note on which side of the accessory the wooden wedge is positioned (near center of disc). Never mix worn or used accessories with new ones. It will caused vibration and uneven work surface. Replace accessories in complete sets, never mix sets.
PROCEDURE FOR INSTALLING AND REMOVING ACCESSORIES

2. To remove and accessory there are several different types but all are installed in the same manner, use a wooden block as explained in the below illustration. Never hammer directly on any accessory, damage to the self-adjusting system will result and the accessory will have to be replaced.

EXAMPLE OF SEVERELY WORN DYMA-SERT

The above in an example of a DYMA-SERT that has not been rotated after every four hours of use. To get maximum life out of a DYMA-SERT they should be rotated 180° every four hours of use.

EXAMPLE OF AN EVENLY WORN DYMA-SERT

The above in an example of a DYMA-SERT that has been rotated after every four hours of use, as you can see the wear is even across all segments.
10. MAINTENANCE SCHEDULE

1. Check all hardware after the first 5 hours of use, the follow the maintenance schedule.

<table>
<thead>
<tr>
<th>Maintenance Services Intervals</th>
<th>After every use</th>
<th>After 45 days or 100 hrs.</th>
<th>Every 3 months or 100 hrs.</th>
<th>Every 6 months or 200 hrs.</th>
<th>Every 9 months or 300 hrs.</th>
<th>Every 12 months or 400 hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Inspection:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guards</td>
<td>Check</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Warning stickers</td>
<td>Check</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Wheels</td>
<td>Check operation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Test run</td>
<td>Check operation</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Engine:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine oil</td>
<td>Check level</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Engine oil filter</td>
<td>Replace</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Oil cooler</td>
<td>Clean</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cooling Fins</td>
<td>Clean</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Air cleaner</td>
<td>Check - clean</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Air Intake Line</td>
<td>Check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Fan Belt</td>
<td>Check tightness</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Fan Belt</td>
<td>Replace</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Valve clearance</td>
<td>Check-adjust</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Fuel filter</td>
<td>Check &amp; clean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>Clean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Engine wiring</td>
<td>Check</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Cage:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teeth: (see Individual Cage for specifications)</td>
<td>Check wear</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaft: (see Individual Cage for specifications)</td>
<td>Check wear</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. REPLACEMENTS

<table>
<thead>
<tr>
<th>Parts</th>
<th>Tolerance or Replacement Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine Components</strong></td>
<td>✓ Refer to your engine manufacturer’s Owner’s Manual</td>
</tr>
<tr>
<td><strong>V-Belts</strong></td>
<td>✓ Replace if stretched to the point that the idler does not work properly. Replace the V-belts if they are cracked or torn.</td>
</tr>
<tr>
<td><strong>Cutters</strong></td>
<td>✓ Replace if Cutters present any missing segments or stress cracks.</td>
</tr>
</tbody>
</table>
Hardware

- Re-torque all bolts after the first eight hours of operation and check hardware every 25 hours. Replace any worn or damaged hardware as needed. Replacement hardware should be grade 5 and zinc plated.

Safety Decals

- Replace if they become aged, damaged or cannot be easily read.

12. TORQUE CHART

APPROXIMATE TIGHTENING TORQUE

<table>
<thead>
<tr>
<th>SIZE</th>
<th>GRADE 2</th>
<th>GRADE 5</th>
<th>GRADE 8</th>
</tr>
</thead>
<tbody>
<tr>
<td># 10-24</td>
<td>21 in-lbs</td>
<td>32 in-lbs</td>
<td>45 in-lbs</td>
</tr>
<tr>
<td># 10-32</td>
<td>23 in-lbs</td>
<td>36 in-lbs</td>
<td>51 in-lbs</td>
</tr>
<tr>
<td>1/4-20</td>
<td>49 in-lbs</td>
<td>76 in-lbs</td>
<td>9 in-lbs</td>
</tr>
<tr>
<td>1/4-28</td>
<td>56 in-lbs</td>
<td>87 in-lbs</td>
<td>10 in-lbs</td>
</tr>
<tr>
<td>5/16-18</td>
<td>8 in-lbs</td>
<td>13 in-lbs</td>
<td>18 in-lbs</td>
</tr>
<tr>
<td>5/16-24</td>
<td>9 in-lbs</td>
<td>14 in-lbs</td>
<td>20 in-lbs</td>
</tr>
<tr>
<td>3/8-16</td>
<td>15 in-lbs</td>
<td>23 in-lbs</td>
<td>33 in-lbs</td>
</tr>
<tr>
<td>3/8-24</td>
<td>17 in-lbs</td>
<td>26 in-lbs</td>
<td>37 in-lbs</td>
</tr>
<tr>
<td>7/16-14</td>
<td>24 in-lbs</td>
<td>37 in-lbs</td>
<td>52 in-lbs</td>
</tr>
<tr>
<td>7/16-20</td>
<td>27 in-lbs</td>
<td>41 in-lbs</td>
<td>58 in-lbs</td>
</tr>
<tr>
<td>1/2-13</td>
<td>37 in-lbs</td>
<td>57 in-lbs</td>
<td>80 in-lbs</td>
</tr>
<tr>
<td>1/2-20</td>
<td>41 in-lbs</td>
<td>64 in-lbs</td>
<td>90 in-lbs</td>
</tr>
<tr>
<td>9/16-12</td>
<td>53 in-lbs</td>
<td>82 in-lbs</td>
<td>115 in-lbs</td>
</tr>
<tr>
<td>9/16-18</td>
<td>59 in-lbs</td>
<td>82 in-lbs</td>
<td>129 in-lbs</td>
</tr>
<tr>
<td>5/8-11</td>
<td>73 in-lbs</td>
<td>112 in-lbs</td>
<td>159 in-lbs</td>
</tr>
<tr>
<td>5/8-18</td>
<td>83 in-lbs</td>
<td>112 in-lbs</td>
<td>180 in-lbs</td>
</tr>
<tr>
<td>3/4-10</td>
<td>129 in-lbs</td>
<td>223 in-lbs</td>
<td>282 in-lbs</td>
</tr>
<tr>
<td>3/4-16</td>
<td>144 in-lbs</td>
<td>200 in-lbs</td>
<td>315 in-lbs</td>
</tr>
<tr>
<td>7/8-9</td>
<td>125 in-lbs</td>
<td>322 in-lbs</td>
<td>454 in-lbs</td>
</tr>
<tr>
<td>7/8-14</td>
<td>138 in-lbs</td>
<td>355 in-lbs</td>
<td>501 in-lbs</td>
</tr>
</tbody>
</table>

APPROXIMATE TIGHTENING TORQUE

<table>
<thead>
<tr>
<th>SIZE</th>
<th>GRADE 2</th>
<th>GRADE 5</th>
<th>GRADE 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-8</td>
<td>188 ft-lbs</td>
<td>483 ft-lbs</td>
<td>682 ft-lbs</td>
</tr>
<tr>
<td>1-12</td>
<td>205 ft-lbs</td>
<td>529 ft-lbs</td>
<td>746 ft-lbs</td>
</tr>
<tr>
<td>1-14</td>
<td>210 ft-lbs</td>
<td>541 ft-lbs</td>
<td>764 ft-lbs</td>
</tr>
<tr>
<td>1-1/8-7</td>
<td>266 ft-lbs</td>
<td>596 ft-lbs</td>
<td>966 ft-lbs</td>
</tr>
<tr>
<td>1-1/8-12</td>
<td>297 ft-lbs</td>
<td>668 ft-lbs</td>
<td>1083 ft-lbs</td>
</tr>
<tr>
<td>1-1/4-7</td>
<td>375 ft-lbs</td>
<td>840 ft-lbs</td>
<td>1363 ft-lbs</td>
</tr>
<tr>
<td>1-1/4-12</td>
<td>415 ft-lbs</td>
<td>930 ft-lbs</td>
<td>1509 ft-lbs</td>
</tr>
<tr>
<td>1-3/8-6</td>
<td>491 ft-lbs</td>
<td>1102 ft-lbs</td>
<td>1787 ft-lbs</td>
</tr>
<tr>
<td>1-3/8-12</td>
<td>559 ft-lbs</td>
<td>1254 ft-lbs</td>
<td>2034 ft-lbs</td>
</tr>
<tr>
<td>1-1/2-6</td>
<td>652 ft-lbs</td>
<td>1462 ft-lbs</td>
<td>2371 ft-lbs</td>
</tr>
<tr>
<td>1-1/2-12</td>
<td>734 ft-lbs</td>
<td>1645 ft-lbs</td>
<td>2668 ft-lbs</td>
</tr>
<tr>
<td>M 6</td>
<td>3 ft-lbs</td>
<td>4 ft-lbs</td>
<td>7 ft-lbs</td>
</tr>
<tr>
<td>M 8</td>
<td>6 ft-lbs</td>
<td>10 ft-lbs</td>
<td>18 ft-lbs</td>
</tr>
<tr>
<td>M 10</td>
<td>10 ft-lbs</td>
<td>20 ft-lbs</td>
<td>30 ft-lbs</td>
</tr>
</tbody>
</table>

CONVERSIONS

- in - lbs * 0.083 = ft-lbs
- ft - lbs * 12 = in-lbs
- ft - lbs * 0.1383 = kg-m
- ft - lbs * 1.3558 = N-m
13. WARRANTY

THIS IS YOUR WARRANTY – PLEASE READ AND SAVE

1. **TK Equip** warrants each new machine against any manufacturing defect in material and workmanship under normal use and service for a period of (1) one year. Warranty period begins on first day of use by end user. This first day of use is established by the date of a completed warranty card or a bill of sale to the end user.

2. The obligation under this warranty is limited to the replacement of parts at your **TK Equip** factory branch or on an authorized **TK Equip** distributor.

3. Machines altered or modified without a **TK Equip** written consent may void this warranty policy immediately. Misuse, negligence, accidents or the operation of the machines in any other way that the recommended by **TK Equip** operation procedures, will void this warranty policy. This warranty shall not apply to machines repaired by other than authorized **TK Equip** branches or distributors.

4. The cost of transportation and other expenses related are not covered by this warranty.

5. Written authorization for the return of merchandise under warranty must be obtain from **TK Equip** customer service contact. All equipment & parts returned may be sent with a signed RGA (Return Goods Authorization) for its follow up.

6. **TK Equip** reserves the right to inspect and render the final decision on each warranty case.

7. **TK Equip** reserves the right to improve or make product changes without incurring any obligation to update, refit or install on machines previously sold.

8. **TK Equip** is not responsible for any liability, damage or injury directly or indirectly from the design, material or operation of its product.

9. The warranty letter must be returned to **TK Equip** within 10 days after purchase/adquire, for a first use failure warranty claim.

10. Warranty request must be submitted in written within 30 days after machine failure to **TK Equip** customer service.

11. THE FOREIGN WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATION OR LIABILITIES ON OUR PART, AND WE NEITHER ASSUME NOR AUTHORIZE AINES, MOTOR AND THEIR COMPONENTS. NY OTHE RPERSON TO ASSUME FOR US ANY OF OUR PRODUCTS. LIKewise, THIS WARRANTY
14. WAREHOUSE LOCATIONS

WAREHOUSE LOCATIONS

Is at your service

REMEMBER - you own the best. If repairs are need use only parts purchased from an authorized distributor.

Has established a network of reputable distributors with trained mechanics and full facilities for maintenance and rebuilt, and to carry an adequate stock parts in all areas of the country, their sales reps & engineers are available for professional consultation. If you cannot locate your distributor contact our sales branch listed below.

UNITED STATES
TK CORPORATE OFFICE
14419 ATLANTA DRIVE
LAREDO, TX 78045
TEL: (956) 796-9411
FAX: (956) 462-2500

CANADA
330 SALTEAUX CRES
WINNIPEG, MANITOBA
CANADA R3J 3T2
TEL: (204) 831-8468
FAX: (204) 831-8590

MEXICO
CANATLAN #100 PARQUE INDUSTRIAL LAGUNERO
GOMEZ PALACIO, DGO
MEXICO 35070
TEL: +52 (871) 290-7025

TOLL FREE LINE
☎ 866 357 1664

CONTACT E-MAILS

SALES
sales@tkequip.com

PARTS & SERVICE
parts@btmequipment.com
service@btmequipment.com

ACCOUNTING
accounting@btmequipment.com
accounts@btmequipment.com

 MANAGEMENT
Octavio Chavez
Sales Manager
manager@tkequip.com

www.tkequip.com
15. NOTES: