THE HYGROUND® IRREVERSIBLE COMPRESSION SYSTEM

BURNDY® has developed an irreversible compression ground system which meets the most stringent safety and performance requirements, including those of OSHA and nuclear power plant design. Performance excellence and long life expectancy are the system’s basic design guidelines. It is a complete system which consists of connectors for grid cross connections, taps, splices, cable to ground rod, ground plates and terminations.

Our irreversible compression ground connectors employ well-proven design principles and technology that have been in existence for over 60 years.

Connectors are just one component of our Irreversible Compression Ground System. Installation tooling is also an integral part of this system. BURNDY® pioneered the compression connector principle and continues today to be the leader in compression technology. Our tooling package is the most extensive in the industry and affords the user many options.

(LEGEND)

<table>
<thead>
<tr>
<th>YGHPC</th>
<th>YGL-C</th>
<th>YGHA</th>
<th>YGF-4N</th>
<th>YSHG</th>
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<tbody>
<tr>
<td>YGHR-C</td>
<td>YGLR-C</td>
<td>YGHS</td>
<td>YGF-2N</td>
<td>YGIB</td>
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<tr>
<td>YGHC-C</td>
<td>YGA</td>
<td>YGS</td>
<td>GSTUD-HY</td>
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</tbody>
</table>
THE HYGROUND®
IRREVERSIBLE
COMPRESSION
SYSTEM
(Continued)

Features and Benefits

• Irreversible compression.
◊ Meets NEC code, section 250.
• Material-pure wrought copper extrusions, rod and seamless tubing—identical material to the conductor.
◊ Completely eliminates the possibility of corrosion due to dissimilar metals.
• Heavy duty connector design.
◊ All connectors will carry the equivalent or greater current carrying capacity of the conductor while maintaining high mechanical strength and electrical integrity.
• Range taking design—minimum number of connector combinations required to install a conductor range of #6 solid to 500 kcmil plus 1/2", 5/8", 3/4", and 1" ground rods and rebar.
◊ Inventories are kept to a minimum and product selection is simplified.
• System engineered tooling.
◊ Each tooling recommendation has been designed to ensure reliability of the connection.
• Irreversible compression connectors can be installed in all kinds of weather.
◊ Eliminates costly construction delays and enables the installer to better schedule his job.
• May be installed without special training or special tools. Y750 crimps entire range.
◊ Low installed cost.
◊ Simplified installation.
• Each connection can be made in less than 3 minutes.
◊ Low installed cost.
◊ Simplified installation.
• Each connector is clearly marked with catalog number, conductor size and installation die information.
◊ Easy and accurate identification.
• Inspection ports are provided to assure proper insertion of the conductor.
◊ Built-in quality assurance.
• The die index number is embossed on the connector after completion of the crimp.
◊ Facilitates speedy inspection of installed connectors to insure consistently reliable and sound connections.
• Most HYGROUND® irreversible compression elements are prefilled with PENETROX™ and individually sealed.
◊ Ensures that all contact surfaces are in the proper condition for installation.
◊ Ensures the electrical integrity of the finished connection by inhibiting moisture and contaminates from entering the contact area.
• All HYGROUND® irreversible compression connectors are Listed in conformance with Underwriters Laboratories Standard UL467 and conform to applicable sections of the National Electrical Code.
◊ May be used in direct burial or concrete embedded grounding applications.
• All HYGROUND® irreversible connectors (with the exception of type YGA and YGS) have been tested successfully according to requirements of Standard IEEE 837.
◊ Meets tough industry performance requirements.
◊ UPRECRIMP dies give added mechanical strength. UPRECRIMP 34 for 3/4" rod, UPRECRIMP 12 for 1/2" rod, and UPRECRIMP 58 for 5/8" rod (now includes undersized U.S. marketplace rods).
• Allows connection to most sizes of structural steel with no drilling, tapping, or welding.
◊ Safely installed at low cost. Hot work permits are not required to install in hazardous areas.
Irreversible compression HYLINK™ ground splices specifically designed for grounding applications. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ E compound and strip sealed.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Copper Conductor Size</th>
<th>Installation Tools, Die Set Catalog Number and (# of Crimps)</th>
<th>Mechanical</th>
<th>Hydraulic</th>
<th>B</th>
<th>L</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Y1MRTC</td>
<td>MD7-34R</td>
<td>OUR840</td>
<td>Y35/Y39/45/Y45/Y46/Y750/PAT750</td>
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<tr>
<td>YGS8C</td>
<td>8 Sol./Str.</td>
<td>Red (2)</td>
<td>W8CRT, W8CVT</td>
<td>X8CRT</td>
<td>U8CRT (2)</td>
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<tr>
<td>YGS6C</td>
<td>6 Sol./Str.</td>
<td>Blue (2)</td>
<td>W5CRT, W5CVT</td>
<td>X5CRT</td>
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<td>YGS2C</td>
<td>2 Sol./Str.</td>
<td>Brown (4)</td>
<td>W2CVT (2)</td>
<td>X2CVT (2)</td>
<td>U2CRT (2)</td>
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<tr>
<td>YGS25</td>
<td>1/0 Sol./Str.</td>
<td>—</td>
<td>W25VT (4)</td>
<td>X25RT (4)</td>
<td>U25RT (2)</td>
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<tr>
<td>YGS26</td>
<td>2/0 Str.</td>
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<td>W26VT (4)</td>
<td>X26RT (4)</td>
<td>U26RT (2)</td>
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<tr>
<td>YGS28</td>
<td>4/0 Str.</td>
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<td>W28VT (4)</td>
<td>X28RT (4)</td>
<td>U28RT (2)</td>
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<td>YGS29</td>
<td>250 kcmil</td>
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<td>W29VT (4)</td>
<td>—</td>
<td>U29RT (2)</td>
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<tr>
<td>YGS34</td>
<td>500 kcmil</td>
<td>—</td>
<td>W34VT (4)</td>
<td>—</td>
<td>U34RT (4)</td>
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</table>

1. Where a “U” or “PU” die is recommended with the Y45 HYPRESS™, a PT6515 adapter must be used.
2. Where a “U” or “PU” die is recommended with the Y46 HYPRESS™, a PUADP-1 adapter must be used.