TEI ROCK DRILLS
Leader in Drilling Attachments

Bringing innovative construction equipment to Asia
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TEI DRILLING ATTACHMENTS

TEI offers a new and innovative drilling concept based on drill attachments mounted on conventional excavators. The drill attachment uses the excavator’s hydraulics but has a separate control system. Therefore, it takes only a few minutes to change from bucket or breaker into the drilling attachment.

TEI attachments come with a complete set of internal valves and radio control so the same drilling attachment can be used on many different excavators. And the same excavator can therefore be used for a variety of tasks such as drilling, breaking, mucking, etc.

TEI attachments are available in different models suitable for excavators from 5 ton to 40 ton weight class or for backhoe loaders. The range of hydraulic drifters can accommodate hole diameters from 35 mm up to 152 mm and, using rotary heads, the hole diameter can range from 70 mm up to 558 mm.

Features of TEI Drilling Attachments

1. Full reach from the excavator
2. Control box with radio receiver
3. Radio control
4. Water mist system for displacement of 95% dust
5. Patented design
6. Uses excavator’s hydraulics
7. 15min installation time
8. Meet European HSE guidelines

Applications of TEI Drilling Attachments

Blasting/Splitting
Tunneling/Grouting
Micropiles/Foundation Repair
Soil Nails/Earth Retention

www.stm-ce.com
HEM Hydraulic Excavator Drill

The HEM hydraulic excavator drill is by far the most popular drilling attachment manufactured at TEI Rock Drills.

The excavator provides a very stable platform with excellent reach and positioning of the drill mast. Today’s modern excavators make it possible to use the HEM attachments with anything from TE260 drilled up to double rotary heads for 558 mm hole diameter.

HEM can be used on any conventional excavator from 14 ton to 40 ton weight class.

With so many possibilities, it is easy to see why so many civil and blasting contractors choose TEI’s HEM line to get the job done.

MME Mini-Excavator Drill

The MME series of drilling attachments satisfy the demand for smaller and more efficient drilling equipment in the construction and mining industries. MME is made with a lightweight aluminium frame which decreases the weight to less than 500 kg. This allows it to be used on mini-excavators from as small as 7 ton weight class.

This attachment is available using either the TE260 hydraulic drifter or the RDS250 hydraulic rotary head.

Today’s contractor uses the MME for many types of jobs, including blasting, fencing, foundation repair, earth retention and geothermal heating and cooling.

HEM25ED Soil Nailing Drill

The HEM-25ED is a drill designed to install soil nails, tiebacks, microplies at almost any angle. The 6.8 meters drill stroke allows for rapid installation and quick movement between holes. There are a variety of hydraulic rotary heads and drifters available for the HEM-25ED to solve most drilling applications.

At a fraction of the cost of most specialty drill rigs, the HEM-25ED can be used with your existing excavator, increasing productivity and revenue with one machine. Though its main functionality is an earth drill, it can also be readily converted for rock drilling and many other applications.
## SPECIFICATIONS

### PERCUSSION DRILL ATTACHMENTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Hole diameter (mm)</th>
<th>Drifter</th>
<th>Controls</th>
<th>Attachment length (mm)</th>
<th>Dril travel (mm)</th>
<th>Attachment weight (Kg)</th>
<th>Excavator weight (ton)</th>
<th>Hydraulic flow (lpm)</th>
<th>Hydraulic pressure (bar)</th>
<th>Required compressor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MME260</td>
<td>35 - 52</td>
<td>TE260</td>
<td>Manual or radio</td>
<td>4.100</td>
<td>3.200</td>
<td>488</td>
<td>5 - 12</td>
<td>95</td>
<td>155</td>
<td>125 cfm 10 bar</td>
</tr>
<tr>
<td>HEM260</td>
<td>35 - 52</td>
<td>TE260</td>
<td>Manual or radio</td>
<td>4.900</td>
<td>3.200</td>
<td>1,450</td>
<td>10 - 20</td>
<td>95</td>
<td>155</td>
<td>125 cfm 10 bar</td>
</tr>
<tr>
<td>HEM350</td>
<td>35 - 76</td>
<td>TE350</td>
<td>Manual or radio</td>
<td>4.900</td>
<td>3.200</td>
<td>1,490</td>
<td>14 - 30</td>
<td>132</td>
<td>155</td>
<td>185 cfm 10 bar</td>
</tr>
<tr>
<td>HEM560</td>
<td>42 - 127</td>
<td>TE560</td>
<td>Radio</td>
<td>4.900</td>
<td>3.200</td>
<td>1,700</td>
<td>20 - 40</td>
<td>170</td>
<td>172</td>
<td>250 cfm 10 bar</td>
</tr>
<tr>
<td>HEM25ED</td>
<td>42 - 127</td>
<td>TE560</td>
<td>Radio</td>
<td>4.900</td>
<td>3.200</td>
<td>1,700</td>
<td>20 - 40</td>
<td>170</td>
<td>172</td>
<td>250 cfm 10 bar</td>
</tr>
<tr>
<td>HEM1000</td>
<td>76 - 152</td>
<td>TE1000</td>
<td>Radio</td>
<td>4.500</td>
<td>3.000</td>
<td>2,500</td>
<td>25 - 40</td>
<td>200</td>
<td>167</td>
<td>400 cfm 14 bar</td>
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</tbody>
</table>

### ROTARY DRILL (DTH) ATTACHMENTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Hole diameter (mm)</th>
<th>Rotary head</th>
<th>Controls</th>
<th>Attachment length (mm)</th>
<th>Drill travel (mm)</th>
<th>Attachment weight (Kg)</th>
<th>Excavator weight (ton)</th>
<th>Hydraulic flow (lpm)</th>
<th>Hydraulic pressure (bar)</th>
<th>Required compressor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MME250R</td>
<td>70 - 102</td>
<td>RDS250</td>
<td>Manual or radio</td>
<td>4.100</td>
<td>3.200</td>
<td>488</td>
<td>5 - 10</td>
<td>69</td>
<td>172</td>
<td>250 cfm 10 bar</td>
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<tr>
<td>HEM350R</td>
<td>70 - 203</td>
<td>RDS350</td>
<td>Manual or radio</td>
<td>4.900</td>
<td>3.200</td>
<td>1,440</td>
<td>14 - 30</td>
<td>95</td>
<td>207</td>
<td>250 cfm 10 bar</td>
</tr>
<tr>
<td>HEM550R</td>
<td>102 - 305</td>
<td>RDS550</td>
<td>Radio</td>
<td>4.000</td>
<td>3.200</td>
<td>2,200</td>
<td>20 - 40</td>
<td>152</td>
<td>207</td>
<td>400 cfm 10 bar</td>
</tr>
<tr>
<td>HEM25ED</td>
<td>102 - 305</td>
<td>RDS550</td>
<td>Radio</td>
<td>4.900</td>
<td>3.200</td>
<td>2,200</td>
<td>20 - 40</td>
<td>152</td>
<td>207</td>
<td>400 cfm 10 bar</td>
</tr>
<tr>
<td>HEM1000R</td>
<td>127 - 610</td>
<td>RDS1000</td>
<td>Radio</td>
<td>5.200</td>
<td>3.200</td>
<td>2,600</td>
<td>30 - 50</td>
<td>170</td>
<td>207</td>
<td>750 cfm 10 bar</td>
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<tr>
<td>HEM25ED</td>
<td>127 - 610</td>
<td>RDS1000</td>
<td>Radio</td>
<td>5.200</td>
<td>3.200</td>
<td>2,600</td>
<td>30 - 50</td>
<td>170</td>
<td>207</td>
<td>750 cfm 10 bar</td>
</tr>
</tbody>
</table>

All attachment carriers must be equipped with low pressure return auxiliary hydraulics. An additional hydraulic oil cooler is recommended for production drilling. Specifications are subjected to change without prior notice.
TEI offers a full range of hydraulic drifters for top-hammer drills as well as rotary heads for Down-The-Hole drills. TEI hydraulic drifters are known for being very strong, robust and easy to service. The drifters can even be serviced in the field without compromising performance or durability.

All TEI drifters also come with a patented hammer design, which uses an internal damping of the piston when the shank adapter is not fully engaged into the drifter. This minimizes any damage on the drifter from blind firing and thus reducing service intervals and improving durability of the drifter.

The robust design, the few moving parts, in combination with internal dampening, leads to a lifetime of 2 - 4 times longer compared to similar drifters in the market.

### DRIFTERS

<table>
<thead>
<tr>
<th>Model</th>
<th>TE160</th>
<th>TE260</th>
<th>TE350</th>
<th>TE560</th>
<th>TE1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact energy (Nm)</td>
<td>48-81</td>
<td>88-129</td>
<td>112-163</td>
<td>243-425</td>
<td>393-637</td>
</tr>
<tr>
<td>Impact frequency (bpm)</td>
<td>6,500-5,000</td>
<td>5,000-3,600</td>
<td>4,200-3,400</td>
<td>3,500-2,200</td>
<td>3,500-2,170</td>
</tr>
<tr>
<td>Output power (hp)</td>
<td>7-9</td>
<td>10-10.5</td>
<td>11.5-12.4</td>
<td>19-21</td>
<td>31</td>
</tr>
<tr>
<td>Rotation torque (Nm)</td>
<td>270-1,350</td>
<td>270</td>
<td>2,450</td>
<td>4,000</td>
<td>13,600</td>
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<tr>
<td>Weight (kg)</td>
<td>48</td>
<td>65</td>
<td>98</td>
<td>247</td>
<td>381</td>
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<tr>
<td>Hole Diameter (mm)</td>
<td>30 - 45</td>
<td>32 - 52</td>
<td>35 - 76</td>
<td>42 - 127</td>
<td>76 - 152</td>
</tr>
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</table>

### ROTARY HEADS

<table>
<thead>
<tr>
<th>Model</th>
<th>RDS250</th>
<th>RDS350</th>
<th>RDS550</th>
<th>RDSH1000</th>
</tr>
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<tbody>
<tr>
<td>Rotation torque (Nm)</td>
<td>1,350</td>
<td>2,700</td>
<td>6,800</td>
<td>13,500</td>
</tr>
<tr>
<td>Max. rotation speed (rpm)</td>
<td>500</td>
<td>600</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>48</td>
<td>62</td>
<td>108</td>
<td>385</td>
</tr>
<tr>
<td>Hole Diameter (mm)</td>
<td>70 - 102</td>
<td>70 - 203</td>
<td>102 - 305</td>
<td>127 - 610</td>
</tr>
</tbody>
</table>

Bringing innovative construction equipment to Asia
About TEI Rock Drills

TEI Rock Drills Inc. manufactures drilling attachments and limited access drills in Montrose, Colorado, USA. These drills are used to install soil nails, tiebacks, micropiles, blastholes etc for the construction and mining businesses. Founded in 1980 by Bill Patterson, whom designed and developed the innovative equipment and build TEI to where it stands now, the world’s leading manufacturer of drilling attachments and limited access drills.

Why TEI Drilling Attachment?

High quality materials and design
In-house manufacturing in USA
Every equipment is hand-tested before delivery

About STM Construction Equipment

STM Construction Equipment is specialised in bringing innovative construction equipment to Asia, offering superior productivity and safety. Working closely with a group of selected manufacturers and a network of local dealers throughout Asia, STM is your best advisor in obtaining high-performing equipment for your project’s drilling, rock splitting, demolition or excavation needs.

STM Construction Equipment’s product range includes handheld hydraulic tools, rock splitters and excavator attachments for rock excavation and drilling.

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