BORING TOOLS

Diamond Bit

It is used by connecting with single core tube and double core tube.

There are two types of diamond bit, and use them properly by the stratum, hard rock or super-hard rock.

表面-bit

Pouring diamonds at the surface

Impregnated-bit

Sintering metal powder with diamond powder

Please consult us to choose an appropriate bit by rock type.

And you will make your "Bit-Life" longer.

We will do for production excluding the size list above.

Diamond Reamer

It is used by connecting with diamond bit.

It does side-digging at the same time, and maintain the hole-diameter constancy.

There are diamond-bits around side of reamer.

At the both ends, there are screw for connecting diamond-bit and core-tube.

We will do for production excluding the size list above.

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Outside Diameter mm</th>
<th>Inside Diameter mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Metal Crown

Connecting with top of single core-tube, and it is mainly be used for the boring.

Japanese Industrial Standards

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>inside diameter mmtotal length mmsize of tip-Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>45JIS</td>
<td>30 65 5X5X7-6</td>
</tr>
<tr>
<td>55JIS</td>
<td>40 65 5X5X7-6</td>
</tr>
<tr>
<td>65JIS</td>
<td>50 65 5X5X7-6</td>
</tr>
<tr>
<td>75JIS</td>
<td>60 65 5X5X7-8</td>
</tr>
<tr>
<td>85JIS</td>
<td>70 65 5X5X7-8</td>
</tr>
<tr>
<td>100JIS</td>
<td>84 100 5X5X7-10</td>
</tr>
<tr>
<td>115JIS</td>
<td>99 100 6X6X7-10</td>
</tr>
<tr>
<td>130JIS</td>
<td>114 100 6X6X7-12</td>
</tr>
<tr>
<td>145JIS</td>
<td>129 100 6X6X7-14</td>
</tr>
</tbody>
</table>

Though the standard metal chip is "G2", other materials or shapes can be produced. We can also product "Hi-metal-crown" of octagon chip (Super-chip).

Toho Mechanical Standards

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>inside diameter mmtotal length mmsize of tip-Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>165</td>
<td>148 125 6X6X7-14</td>
</tr>
<tr>
<td>178</td>
<td>158 110 6X6X7-14</td>
</tr>
<tr>
<td>190</td>
<td>171 160 6X6X7-16</td>
</tr>
<tr>
<td>216</td>
<td>194 160 6X6X7-16</td>
</tr>
<tr>
<td>241</td>
<td>218 180 6X6X7-16</td>
</tr>
<tr>
<td>267</td>
<td>246 180 6X6X7-16</td>
</tr>
<tr>
<td>318</td>
<td>296 180 6X6X7-18</td>
</tr>
<tr>
<td>355</td>
<td>331 200 7X7X8-18</td>
</tr>
<tr>
<td>406</td>
<td>379 250 7X7X8-20</td>
</tr>
</tbody>
</table>

Standard metal chip is "G2".
### Rod Metal Crown

<table>
<thead>
<tr>
<th>Name</th>
<th>Outside Diameter (mm)</th>
<th>Inside Diameter (mm)</th>
<th>Total Length (mm)</th>
<th>Size of Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.5</td>
<td>40.5</td>
<td>22</td>
<td>70</td>
<td>7X7X10-4</td>
</tr>
<tr>
<td>40.5</td>
<td>40.5</td>
<td>26</td>
<td>60</td>
<td>5X5X7-6</td>
</tr>
</tbody>
</table>

### Casing Crown

#### Casing Crown (Strong Type)

<table>
<thead>
<tr>
<th>Name</th>
<th>Outside Diameter (mm)</th>
<th>Inside Diameter (mm)</th>
<th>Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>83</td>
<td>83</td>
<td>72</td>
</tr>
<tr>
<td>3.5</td>
<td>89.1</td>
<td>78.1</td>
<td>5.5</td>
</tr>
<tr>
<td>4</td>
<td>101.6</td>
<td>90.2</td>
<td>5.7</td>
</tr>
<tr>
<td>5</td>
<td>114.3</td>
<td>102.3</td>
<td>6.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Outside Diameter (mm)</th>
<th>Inside Diameter (mm)</th>
<th>Total Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S40</td>
<td>89.1</td>
<td>78.1</td>
<td>100</td>
</tr>
<tr>
<td>S60</td>
<td>89.1</td>
<td>75.9</td>
<td>100</td>
</tr>
<tr>
<td>S80</td>
<td>89.1</td>
<td>73.9</td>
<td>100</td>
</tr>
<tr>
<td>S40</td>
<td>101.6</td>
<td>90.2</td>
<td>100</td>
</tr>
<tr>
<td>S60</td>
<td>101.6</td>
<td>87.6</td>
<td>100</td>
</tr>
<tr>
<td>S80</td>
<td>101.6</td>
<td>85.4</td>
<td>100</td>
</tr>
<tr>
<td>S40</td>
<td>114.3</td>
<td>102.3</td>
<td>100</td>
</tr>
<tr>
<td>S60</td>
<td>114.3</td>
<td>100.1</td>
<td>100</td>
</tr>
<tr>
<td>S80</td>
<td>114.3</td>
<td>97.1</td>
<td>100</td>
</tr>
<tr>
<td>S40</td>
<td>139.8</td>
<td>126.6</td>
<td>100</td>
</tr>
<tr>
<td>S60</td>
<td>139.8</td>
<td>123.6</td>
<td>100</td>
</tr>
<tr>
<td>S80</td>
<td>139.8</td>
<td>120.8</td>
<td>100</td>
</tr>
</tbody>
</table>
Wing Metal Crown (Crown for muddy-water)

Setting the "Wing" outside-circumference of metal-crown. Outside diameter of core-tube has more than drilling-hole, and make good flow of the slurry. So, it can be used for clay and collapse stratum.

**Japanese Industrial Standards**

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>Inside diameter mm</th>
<th>Screw</th>
<th>Total length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>55</td>
<td>CT</td>
<td>65</td>
</tr>
<tr>
<td>75</td>
<td>65</td>
<td>CT</td>
<td>65</td>
</tr>
<tr>
<td>85</td>
<td>75</td>
<td>CT</td>
<td>75</td>
</tr>
<tr>
<td>100</td>
<td>85</td>
<td>CT</td>
<td>75</td>
</tr>
<tr>
<td>115</td>
<td>100</td>
<td>CT</td>
<td>75</td>
</tr>
<tr>
<td>130</td>
<td>115</td>
<td>CT</td>
<td>75</td>
</tr>
</tbody>
</table>

**Shield-Hi-Crown**

It is used by connecting in the point of shield-casing.

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>Inside diameter mm</th>
<th>Total length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>92</td>
<td>150</td>
</tr>
<tr>
<td>4&quot;</td>
<td>116</td>
<td>160</td>
</tr>
<tr>
<td>5&quot;</td>
<td>142</td>
<td>170</td>
</tr>
<tr>
<td>8&quot;</td>
<td>147</td>
<td>180</td>
</tr>
<tr>
<td>10&quot;</td>
<td>166</td>
<td>180</td>
</tr>
<tr>
<td>11&quot;</td>
<td>185</td>
<td>180</td>
</tr>
<tr>
<td>13&quot;</td>
<td>204</td>
<td>180</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>Inside diameter mm</th>
<th>Total length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>92</td>
<td>150</td>
</tr>
<tr>
<td>4&quot;</td>
<td>116</td>
<td>160</td>
</tr>
<tr>
<td>5&quot;</td>
<td>142</td>
<td>170</td>
</tr>
<tr>
<td>8&quot;</td>
<td>147</td>
<td>180</td>
</tr>
<tr>
<td>10&quot;</td>
<td>166</td>
<td>180</td>
</tr>
<tr>
<td>11&quot;</td>
<td>185</td>
<td>180</td>
</tr>
<tr>
<td>13&quot;</td>
<td>204</td>
<td>180</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>Inside diameter mm</th>
<th>Total length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>92</td>
<td>150</td>
</tr>
<tr>
<td>4&quot;</td>
<td>116</td>
<td>160</td>
</tr>
<tr>
<td>5&quot;</td>
<td>142</td>
<td>170</td>
</tr>
<tr>
<td>8&quot;</td>
<td>147</td>
<td>180</td>
</tr>
<tr>
<td>10&quot;</td>
<td>166</td>
<td>180</td>
</tr>
<tr>
<td>11&quot;</td>
<td>185</td>
<td>180</td>
</tr>
<tr>
<td>13&quot;</td>
<td>204</td>
<td>180</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name outside diameter mm</th>
<th>Inside diameter mm</th>
<th>Total length mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>92</td>
<td>150</td>
</tr>
<tr>
<td>4&quot;</td>
<td>116</td>
<td>160</td>
</tr>
<tr>
<td>5&quot;</td>
<td>142</td>
<td>170</td>
</tr>
<tr>
<td>8&quot;</td>
<td>147</td>
<td>180</td>
</tr>
<tr>
<td>10&quot;</td>
<td>166</td>
<td>180</td>
</tr>
<tr>
<td>11&quot;</td>
<td>185</td>
<td>180</td>
</tr>
<tr>
<td>13&quot;</td>
<td>204</td>
<td>180</td>
</tr>
</tbody>
</table>
Non-Core-Bit

- センタービット
- クロスビット
- エックス型ビット
- オーエックス型ビット

- 一般に軟弱な土層に使用されます。
- クロスビットは円孔の崩れにくく、特に泥岩層に優れています。
- エックス型ビットは、軟弱な土層の泥岩層や凝灰岩層に適合しています。

Stabilizer

- センタービットは、土層の曲げを防ぎ、円孔のスムーズな製作を可能にします。

- 一般的に軟弱な土層に使用されます。
- グラベル混じりの粘土層または風化した土層に適しています。

- 一部の刃は水の供給孔を中央に広げ、孔の詰まりを防ぎます。
Drain

<table>
<thead>
<tr>
<th>Name</th>
<th>inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td></td>
</tr>
<tr>
<td>118</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td></td>
</tr>
</tbody>
</table>

For rotary-percussion

<table>
<thead>
<tr>
<th>Name</th>
<th>inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>77</td>
<td>3”</td>
</tr>
<tr>
<td>90</td>
<td>31/2”</td>
</tr>
<tr>
<td>110</td>
<td>4”</td>
</tr>
<tr>
<td>128</td>
<td>5”</td>
</tr>
<tr>
<td>160</td>
<td>6”</td>
</tr>
</tbody>
</table>
### Tricon Bit

It is non-core bit for drilling soft-rock, semi-soft-rock, and gravel stratum. You can choose cutting tooth form properly by the stratum, softrock, semi-hardrock, hardrock... and so on.

<table>
<thead>
<tr>
<th>Name</th>
<th>inch</th>
<th>size (mm)</th>
<th>Screw</th>
<th>Weight (kg)</th>
<th>JIS/REG</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>76.2</td>
<td>50</td>
<td>JVM</td>
<td>2.1</td>
<td>JIS</td>
</tr>
<tr>
<td>33/8</td>
<td>85.7</td>
<td>50</td>
<td>REG</td>
<td>2.4</td>
<td>REG</td>
</tr>
<tr>
<td>33/4</td>
<td>95.3</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37/8</td>
<td>98.4</td>
<td>4.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>101.6</td>
<td>4.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43/4</td>
<td>120.6</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51/8</td>
<td>130.2</td>
<td>9.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55/8</td>
<td>142.9</td>
<td>14.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>61/4</td>
<td>158.7</td>
<td>17.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75/8</td>
<td>193.7</td>
<td>31.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>81/2</td>
<td>215.9</td>
<td>40.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>85/8</td>
<td>219.0</td>
<td>41</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95/8</td>
<td>244.5</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105/8</td>
<td>269.9</td>
<td>70</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>121/4</td>
<td>311.2</td>
<td>88</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>143/4</td>
<td>374.7</td>
<td>123</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>171/2</td>
<td>444.5</td>
<td>205</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>508.0</td>
<td>350</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>558.8</td>
<td>430</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>609.6</td>
<td>500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>660.4</td>
<td>700</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Metal Chip

<table>
<thead>
<tr>
<th>Type of Tipchip</th>
<th>Chip Size (mm)</th>
<th>Material Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Chip</td>
<td>5 X 5 X 7</td>
<td>General purpose</td>
</tr>
<tr>
<td></td>
<td>7 X 7 X 10</td>
<td>Impact-resistant</td>
</tr>
<tr>
<td></td>
<td>8 X 8 X 10</td>
<td>Impact-resistant</td>
</tr>
<tr>
<td>Super-Chip</td>
<td>5 X 7</td>
<td>Impact-resistant (Q)</td>
</tr>
<tr>
<td></td>
<td>6 X 7</td>
<td>Impact-resistant (P)</td>
</tr>
<tr>
<td></td>
<td>8 X 8</td>
<td>Impact-resistant (P'O)</td>
</tr>
<tr>
<td></td>
<td>10 X 10</td>
<td>Impact-resistant (O'T)</td>
</tr>
</tbody>
</table>