Realized the cutting of QFN package with metal blade. The standard bond series represented by a high quality cutting ability, performance stability, and high sintering technology.

- High sintering technologies bring out the properties to correspond to the various applications.
- Unique manufacturing processes provide uniform distribution of grit, and performance stability.
- Improved high cutting quality and wear resistance by adapting special grit.
- Accumulated plenty of successful cases of QFN cuttings.

**Processing example Metal blade (HM series)**

- **QFN package cutting**
  Resin blade is generally used in QFN cutting field, however it can be cut by metal blade as well. Metal blade is expected to be a long life blade to cut QFN.

- **PLC cutting (silica glass)**
  HM series is highly evaluated and occupied big blade market in this field because of its good cutting performance.
### Specification and Notation

**1A8**

**Shape**

<table>
<thead>
<tr>
<th>MD</th>
<th>400</th>
<th>75</th>
<th>HM633</th>
</tr>
</thead>
</table>

**Grit type**

<table>
<thead>
<tr>
<th>MD</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD</td>
<td>Coating</td>
</tr>
</tbody>
</table>

**Concentration**

| 0.05<T<0.1 | ● |
| 0.1<T<0.15 | ● |
| 0.15<T<0.2 | ● |
| 0.2<T<0.4 | ● |

### Dimension and Notation

**58D 0.3T 40H 2d 0.5W 16N**

- O.D.
- Blade thickness
- I.D.
- Depth of slit
- Width of slit
- No. of slit

### Production Range

- **Mesh size**
  - 4000
  - 2500
  - 2000
  - 1300
  - 1200
  - 1000
  - 800
  - 700
  - 600
  - 500
  - 400
  - 325

- **Grit**
  - MD
  - XD

### Production Range

- **Blade thickness (mm)**
  - 0.05+T<0.1
  - 0.1+T<0.15
  - 0.15+T<0.2
  - 0.2+T<0.4

### Bond

- **Soft**
- **Standard**
- **Hard**

### Ordering the product

When ordering our product, please refer to our catalog and let us know the details of the product as below.

1) Shape and size / Detailed blade shape and precision etc.
2) Specifications / Desired specification as well as the current in-use blade etc.
3) Cutting work and condition / Machine in use, RPM, feed speed, coolant flow rate etc.

### Precautions

In order to use the product safely and to bring out the best of the blade’s performance, please make sure to thoroughly read the specifications and other related materials of the product.

* The catalog is subject to change without notice.
* The catalog is not to guarantee the product quality.