SERIES KS & KS-V
SMALL WIRE & LARGE WIRE

FOR MANUAL AND SEMI-AUTOMATIC BONDERS

KS-SERIES SMALL WIRE
.0005" through .0020" wireØ

KS-SERIES LARGE WIRE
For wire diameters .0030" through .0160"

KS-V SERIES
VERTICAL FEED DEEP ACCESS
SMALL WIRE .0005" through .0020" wireØ

NOTE: We recommend our A8D option for enhanced wire control. Our standard vertical feed has slightly more clearance but less wire control. See in Tool Options for illustration. To order just add A8D in space 11. Not suitable for F&K and H&K machine

A8D Option

Hole Angles Available with A8D Option

<table>
<thead>
<tr>
<th>Hole Angle</th>
<th>BSV</th>
<th>in.</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>.035</td>
<td>.89</td>
<td></td>
</tr>
<tr>
<td>52°</td>
<td>.050</td>
<td>1.27</td>
<td></td>
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</tbody>
</table>

We recommend a .0005" back radius and a cross groove or a flat bond foot when ordering tools for gold wire thermosonic bonding. For more gold wire application information see Tech Tip

DeWeyl Tool Company, 959 Transport Way Petaluma, Ca. 94954 USA Phone 800-821-8665 707-765-5779

For KS-V Series (Vertical Feed) 45°,55°,60°
For KS-Series 30°-60°

Available Vertical Hole Ø marked with X

Standard Ø 1/16, 45° to 52° Hole Angle : BS"=.045" (1.14mm)

Supplies only to Standard size Ø1/16, larger tool Ø are different.

Standard: (BS) supplied unless otherwise specified. See Tool Options #A3

Minimum of Groove Radius=.00025
Groove to Groove=.0015
**SERIES KS & KS-V**

**SMALL WIRE & LARGE WIRE**

**ORDERING INFORMATION**
- SMALL & LARGE WIRE BONDING WEDGES
- FOR GOLD AND ALUMINUM WIRE

**SAMPLE PART NUMBER:** M-KS-O-X-1/16-1-45-CG-2020-M *

**SYMBOL EXPLANATION:**

1. **MATERIAL:**
   - M = Ceramic
   - C = Tungsten Carbide
   - T = Titanium

   **All other:** See Material Selection Guide

2. **SERIES:** ks

3. **WIRE FEED:**
   - O = Standard Feed
   - V = Vertical Feed

4. **FRONT/BACK RADIUS:** See Radius Option Chart

5. **SHANK DIA.** Please Specify Diameter

6. **TOOL LENGTH:** Please Specify Length

7. **HOLE ANGLE:** For KS (30°, 38°, 45°, 52°, 55.60°) for KS-V (45°, 55°, 60°)

* NOTE: Please specify for either guillotine cut or tension break.

On V-groove tools the bond length (BL) is the same as the foot length (FL).

For special sizes or dimensions insert an (X) in the appropriate position of the part number then specify what (X) equals.

Example: M-KS-O-X-1/16-3/4-45-CG-2020-M (X) FR=.0012, BR=.0007

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### STANDARD CHART

**KS SMALL WIRE: FOR WIRE DIAMETERS .0005” THROUGH .0030”**

**W** = SUGGESTED WEDG

<p>|</p>
<table>
<thead>
<tr>
<th><strong>H</strong></th>
<th><strong>BL</strong></th>
<th><strong>D</strong></th>
<th><strong>T(30°38’)</strong></th>
<th><strong>T(45°52’)</strong></th>
<th><strong>T(55°60’)</strong></th>
<th><strong>SUGGESTED WEDG</strong></th>
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<tr>
<td>Units in.</td>
<td>in.</td>
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<td>in.</td>
</tr>
<tr>
<td><strong>Tolerance</strong></td>
<td>±.0002</td>
<td>±.0002</td>
<td>±.0005</td>
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**Standard Chart**

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**Other sizes available upon request**

- **Aluminum Wedge:**
  - For diameters .0005” through .0030”

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**STANDARD CHART**

**KS LARGE WIRE: FOR WIRE DIAMETERS .0030” THROUGH .0160”**

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**Other sizes available upon request**

- **All dimensions and tolerances are for reference only**

**TOOL SIZE**

- **T** To be determined according to the size of FR and BR and Hole Bore Length

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