



For corners (R), straight lines and curves  
**One-touch Beveller**

# Chamfo Air



**DAE SUNG GT CO., LTD.**  
DAE SUNG GOLDEN TECHNOLOGY CO., LTD.



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### Chamfo Beveller Technical Status

- Patent: Beveller with easily adjustable depth setting No.10-05752012
- Patent: Beveller with improved durable guide roller No.10-0608293
- Patent: Beveling mounting for straight lines No.10-0644400
- Patent: Multipurpose beveller No.10-0784772
- Design registration: Beveller adapter No.30-0418581
- Similar design registration: Beveller spline assembly No.30-0418582 / No.1 / No.2
- Trademark registration: Chamfo No.40-2006-0043030
- China patent pending: Beveller with easily adjustable gauge, pending No.200710005742.3
- International pending: Pending No. PCT / KR2007/000765

### Chamfo Beveller

1. Multipurpose design for corners (R), straight lines and curves
2. Fixed beveling depth for operations with corners (R), straight lines and curves
3. Simple one-touch adjustment of beveling depth
4. Fine adjustment of beveling depth (calibration to 0.1mm)
5. Reduced cost due to multipurpose design for corners (R), straight lines and curves
6. Replaceable parts in air electric motor
7. No loosening with one-touch spline for adjusting beveling depth
8. Capable of rapid repeated operations with altered beveling depth
9. No change in beveling depth during operations for corners (R), straight lines and curves

### Standard Beveller

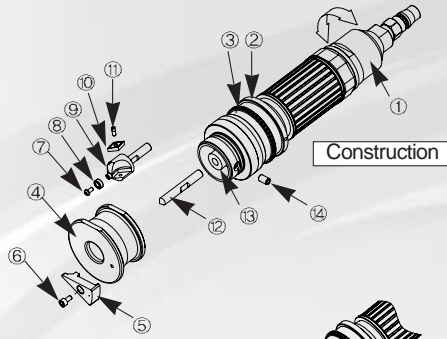
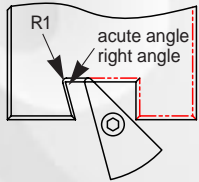
1. Incapable of corner operations
2. During operations for straight lines, the beveling depth is not fixed for cutting curves
3. Difficult to adjust beveling depth due to fixing with screw
4. Fine adjustment of beveling depth difficult
5. Expensive for the functions provided
6. Must be discarded when air electric components fail
7. Loosening common due to screw-based fixing of beveling depth with bolt
8. Incapable of repeated operations with altered beveling depths
9. Incapable of single operations including corners (R), straight lines and curves



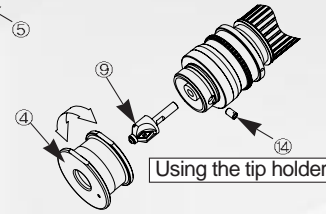
**Beveling corners (R) and straight lines**



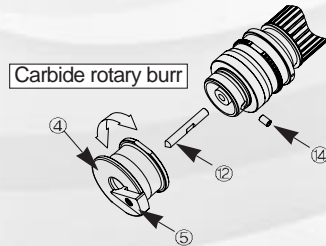
**Beveling curves**



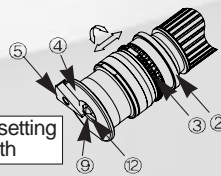
Construction



Using the tip holder



Carbide rotary burr



Adjusting the starting setting and beveling depth

- **This product is composed of air-operated section and a beveller**
  - ① air switch (ON, OFF) ② calibration setting ③ gauge ④ base plate (upper screw) ⑤ corner (R) and straight line guide ⑥ M3 bolt ⑦ M2.5 bolt ⑧ bearing ⑨ tip holder ⑩ tip ⑪ tip-fixing bolt ⑫ carbide rotary burr ⑬ revolution axis bore ⑭ tool fixing bolt

- **Specifications for parts**
  - ⑧ Bearing: MR74 (NSK) 674 (NTN) L-740 (NMB) ML4007 (KOYO)
  - ⑩ Normal tip: DCMT070204
  - ⑪ Bolt: FTKA 02565-T7
  - ⑫ Carbide rotary burr: SK-1M-GT (6mm shank) - available on demand

- **Replacement of operation tools**  
After removing the ④ base plate by rotating to the left, place the ⑨ tip holder and the ⑫ carbide rotary burr inside the ⑬ revolution axis bore and fix with the ⑭ tool fixing bolt. Use after reattaching and fixing the ④ base plate.

- **Using the tip holder and carbide rotary burr**  
Prepare for beveling curves and straight lines after removing the ⑤ corner (R) and straight line guide, and replacing the ⑨ tip holder according to the method for the replacement of operation tools. Set for cutting corners (R) and straight lines by changing the ⑫ carbide rotary burr according to the method for the replacement of operation tools and replacing the ⑤ corner (R) and straight line guide.

- **Adjusting the starting setting**  
Rotate the ③ gauge to the right (-) as far as it will go to the starting position and conduct an operation using the bottom surface of the ④ base plate as the point of reference, shifting the ③ gauge to the left (+) by one calibration setting until the cutting edge of ⑨ and ⑫ reach the cutting start position and then set the ② calibration setting at the calibration of 0 on the ③ gauge.

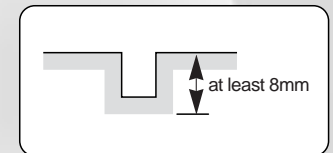
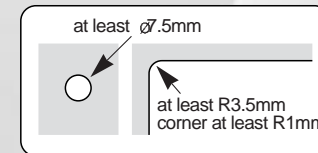
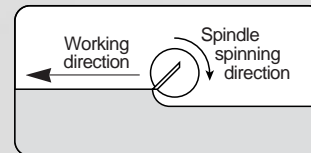
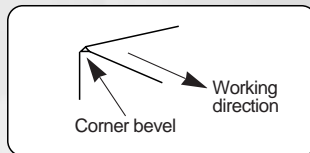
- **Adjusting the beveling depth**  
Push the ③ gauge toward the bottom of ④ base plate, and adjust the setting for the beveling depth by rotating the ③ gauge to the right (-) or to the left (+). When released, the ③ gauge automatically returns to its original position (the one-touch method). (One mark on the calibration scale is equivalent to 0.1mm, with an adjustment range of 0.1 - 1.5mm.)

- Firmly grasp the body of the beveller, place the base plate on the work object, and work slowly with the tip touching the object.

- With the corner (R) guide flush against the face of bearing, work while moving in the direction of the tip's rotation.

- For beveling curves, holes must have a diameter of at least 7.5mm, and radii must measure at least 3.5mm.
- For beveling corners, radii must measure at least R1mm.

- Work objects with grooves must be at least 8mm thick.



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