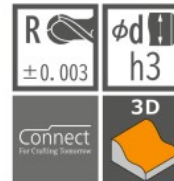


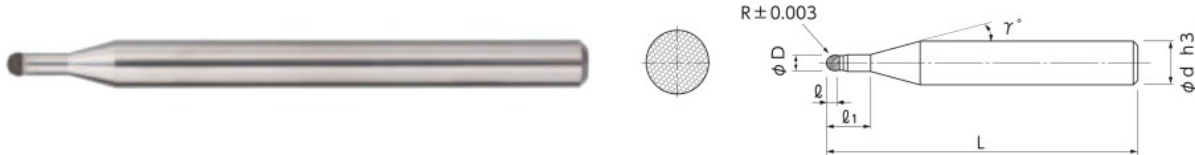
PCD Ball End Mill

Total 13 sizes

Capable to machine nano level surface roughness, and mirror finishing



- Hardened Steel ~55 HRC **H**
- Hardened Steel ~65 HRC **H**
- Hardened Steel ~70 HRC **H**



- Unique tool geometry makes stable surface.
- Polish-less machining become reality by nano-level roughness on profiling finish.
- Upgraded tool edge design makes stable high quality surface.

○ Hard Brittle Material **O**



Actual diameter is indicated in 1 micron units on product label, and enables high precision machining.  
※Micron units dimensions cannot be specified.



Cutting edge shape

◆ New Size

Unit : mm

| Code No.         | Radius (R) | Under Neck Length (ℓ1) | Length of Cut (ℓ) | Dia. (D) | Neck Taper Angle (γ) | Shank Dia. (d) | Overall Length (L) |
|------------------|------------|------------------------|-------------------|----------|----------------------|----------------|--------------------|
| 04-00500-00501   | R0.05      | 0.15                   | 0.05              | 0.1      | 15°                  | 4              | 48                 |
| 04-00500-00502   |            | 0.25                   | 0.05              | 0.1      | 15°                  | 4              | 48                 |
| 04-00500-00751   | R0.075     | 0.23                   | 0.075             | 0.15     | 15°                  | 4              | 48                 |
| 04-00500-00752   |            | 0.38                   | 0.075             | 0.15     | 15°                  | 4              | 48                 |
| 04-00500-01001   | R0.1       | 0.5                    | 0.1               | 0.2      | 15°                  | 4              | 48                 |
| 04-00500-02001   | R0.2       | 1                      | 0.2               | 0.4      | 15°                  | 4              | 48                 |
| 04-00500-03001   | R0.3       | 1.5                    | 0.3               | 0.6      | 15°                  | 4              | 48                 |
| 04-00500-05001   | R0.5       | 2.5                    | 0.5               | 1        | 15°                  | 4              | 50                 |
| 04-00500-07501   | R0.75      | 3.8                    | 0.75              | 1.5      | 15°                  | 4              | 48                 |
| 04-00500-10001   | R1         | 5                      | 1                 | 2        | 15°                  | 4              | 48                 |
| ◆ 04-00500-15001 | R1.5       | 7.5                    | 1.5               | 3        | 15°                  | 6              | 59                 |
| ◆ 04-00500-20001 | R2         | 10                     | 2                 | 4        | 15°                  | 6              | 60                 |
| ◆ 04-00500-30001 | R3         | 15                     | 3                 | 6        | -                    | 6              | 62                 |

How to Order

When you order, indicate PCDRB (R)×(ℓ1). ※(γ) is reference value.

Machining case

S-011, S-012