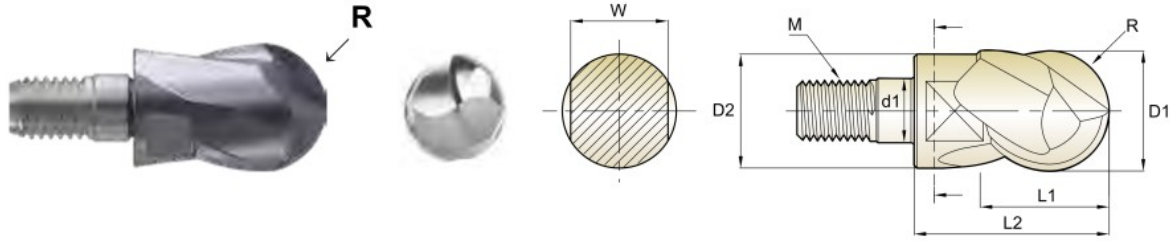


**CARBIDE MODULAR HEAD, 2 FLUTE BALL NOSE (Center Match)**  
**硬质合金 模块铣刀, 2刃 球头 (中心对称)**



Unit(单位) : mm

| EDP No.    | Radius of Ball Nose<br>圆弧角 | Mill Diameter<br>直径 | Neck Diameter<br>颈径 | Length of Cut<br>刃长 | Length Below Shank<br>颈长 | Wrench Width<br>扳手宽度 | Coupling Diameter<br>连接直径 | Thread<br>螺纹 |
|------------|----------------------------|---------------------|---------------------|---------------------|--------------------------|----------------------|---------------------------|--------------|
| Y-COATED   | R                          | D1                  | D2                  | L1                  | L2                       | W                    | d1                        | M            |
| XSEMD98100 | R5.0                       | 10.0                | 9.2                 | 10                  | 17.5                     | 8                    | 6.5                       | M6           |
| XSEMD98120 | R6.0                       | 12.0                | 11.2                | 12                  | 20.5                     | 10                   | 6.5                       | M6           |
| XSEMD98160 | R8.0                       | 16.0                | 15.0                | 16                  | 25.5                     | 13                   | 8.5                       | M8           |
| XSEMD98200 | R10.0                      | 20.0                | 19.0                | 20                  | 30.0                     | 17                   | 10.5                      | M10          |
| XSEMD98250 | R12.5                      | 25.0                | 24.0                | 25                  | 37.0                     | 22                   | 12.5                      | M12          |
| XSEMD98300 | R15.0                      | 30.0                | 29.0                | 30                  | 43.0                     | 27                   | 17.0                      | M16          |
| XSEMD98320 | R16.0                      | 32.0                | 31.0                | 32                  | 45.0                     | 27                   | 17.0                      | M16          |

| Radius Tolerance(mm)<br>圆弧角公差 | Mill Dia.Tolerance (mm)<br>直径公差 |
|-------------------------------|---------------------------------|
| ± 0.010                       | 0 ~ - 0.02                      |

◎ : Excellent (优秀) ○ : Good (良好)

| ISO<br>Material<br>Description | P                      |     |                        |     |     |  |     |                        |     |                             | M                                     |     |     | K               |     |        |                 |     |                   |                   |                     |
|--------------------------------|------------------------|-----|------------------------|-----|-----|--|-----|------------------------|-----|-----------------------------|---------------------------------------|-----|-----|-----------------|-----|--------|-----------------|-----|-------------------|-------------------|---------------------|
|                                | Non-alloy steel        |     |                        |     |     | Low alloy steel                              |     |                        |     |                             | High alloyed steel,<br>and tool steel |     |     | Stainless steel |     |        | Grey cast iron  |     | Nodular cast iron |                   | Malleable cast iron |
| VDI 3323                       | 1                      | 2   | 3                      | 4   | 5   | 6  | 7   | 8                      | 9   | 10                          | 11                                    | 12  | 13  | 14              | 15  | 16     | 17              | 18  | 19                | 20                |                     |
| HRc                            |                        | 13  | 25                     | 28  | 32  | 10   | 29  | 32                     | 38  | 15                          | 35                                    | 15  | 23  | 10              | 10  | 26     | 3               | 25  |                   |                   |                     |
| HB                             | 125                    | 190 | 250                    | 270 | 300 | 180  | 275 | 300                    | 350 | 200                         | 325                                   | 200 | 240 | 180             | 180 | 260    | 160             | 250 | 130               | 230               |                     |
| Recommend                      | ○                      | ○   | ○                      | ◎   | ◎   | ○  | ◎   | ◎                      | ◎   | ○                           | ◎                                     | ○   | ○   | ○               | ○   | ○      | ○               | ○   | ○                 | ○                 |                     |
| ISO<br>Material<br>Description | N                      |     |                        |     |     |  |     |                        |     | S                           |                                       |     |     |                 |     |        | H               |     |                   |                   |                     |
|                                | Aluminum-wrought alloy |     | Aluminum-cast, alloyed |     |     | Copper and Copper Alloys<br>(Bronze / Brass) |     | Non Metallic Materials |     | Heat Resistant Super Alloys |                                       |     |     |                 |     |        | Titanium Alloys |     | Hardened steel    | Chilled Cast Iron | Hardened Cast Iron  |
| VDI 3323                       | 21                     | 22  | 23                     | 24  | 25  | 26   | 27  | 28                     | 29  | 30                          | 31                                    | 32  | 33  | 34              | 35  | 36     | 37              | 38  | 39                | 40                | 41                  |
| HRc                            |                        |     |                        |     |     |  |     |                        |     |                             | 15                                    | 30  | 25  | 38              | 34  |        |                 | 55  | 60                | 42                | 55                  |
| HB                             | 60                     | 100 | 75                     | 90  | 130 | 110  | 90  | 100                    |     |                             | 200                                   | 280 | 250 | 350             | 320 | 400 Rm | 1050 Rm         | 550 | 630               | 400               | 550                 |
| Recommend                      | ○                      | ○   | ○                      | ○   | ○   | ○  | ○   | ○                      | ○   | ○                           | ○                                     | ○   | ○   | ○               | ○   | ○      | ○               | ○   | ○                 | ◎                 | ○                   |