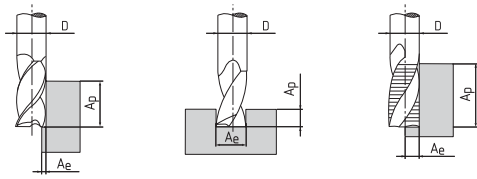
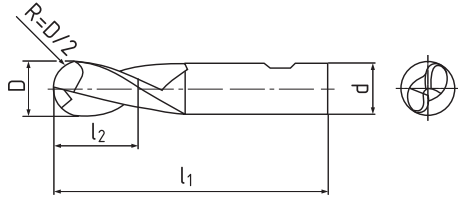


- EN** Ball nose end mills | short, 2 - fluted
- DE** Radiusfräser | Kurz, zweischneider
- RU** Фрезы копирующие | короткие, двузубые



## 5104



HSS/SC

| D<br>h 10 | d<br>h 6 | l <sub>1</sub> | l <sub>2</sub> | R   | Z |
|-----------|----------|----------------|----------------|-----|---|
| 4         | 6        | 51             | 7              | 2   | 2 |
| 5         | 6        | 52             | 8              | 2,5 | 2 |
| 6         | 6        | 52             | 8              | 3   | 2 |
| 7         | 10       | 60             | 10             | 3,5 | 2 |
| 8         | 10       | 61             | 11             | 4   | 2 |
| 9         | 10       | 61             | 11             | 4,5 | 2 |
| 10        | 10       | 63             | 13             | 5   | 2 |
| 12        | 12       | 73             | 16             | 6   | 2 |
| 14        | 12       | 73             | 16             | 7   | 2 |
| 16        | 16       | 79             | 19             | 8   | 2 |
| 18        | 16       | 79             | 19             | 9   | 2 |
| 20        | 20       | 88             | 22             | 10  | 2 |

510417

- .040
- .050
- .060
- .070
- .080
- .090
- .100
- .120
- .140
- .160
- .180
- .200

### Řezné podmínky / Cutting conditions / Schnittbedingungen / Условия резания

| Material                           | A <sub>p</sub> | A <sub>e</sub> | V <sub>c</sub> | f <sub>z</sub> (mm/z) |       |      |       |       |       |      |
|------------------------------------|----------------|----------------|----------------|-----------------------|-------|------|-------|-------|-------|------|
|                                    |                |                |                | Ø 6                   | Ø 8   | Ø 10 | Ø 12  | Ø 16  | Ø 18  | Ø 20 |
| <b>P.1</b> ≤ 600 N/mm <sup>2</sup> | 0,5xD          | 1xD            | 114            | 0,024                 | 0,032 | 0,04 | 0,048 | 0,064 | 0,072 | 0,08 |
| <b>P.2</b> ≤ 850 N/mm <sup>2</sup> | 0,5xD          | 1xD            | 99             | 0,024                 | 0,032 | 0,04 | 0,048 | 0,064 | 0,072 | 0,08 |
| <b>P.4</b> ≤ 900 N/mm <sup>2</sup> | 0,5xD          | 1xD            | 77             | 0,024                 | 0,032 | 0,04 | 0,048 | 0,064 | 0,072 | 0,08 |
| <b>K.1</b> < 240 HB                | 0,5xD          | 1xD            | 89             | 0,024                 | 0,032 | 0,04 | 0,048 | 0,064 | 0,072 | 0,08 |