

End Mill

CEMENTED CARBIDE TOOLS



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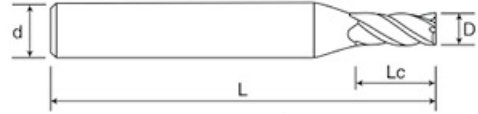
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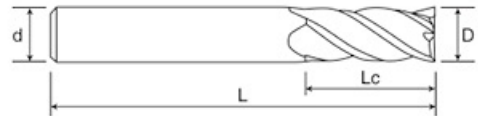
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HRC65 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

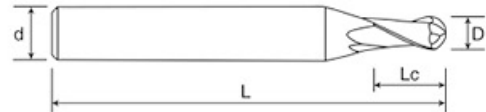
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

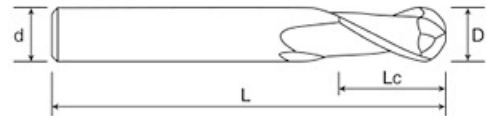
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.006D mm/z |
| M Stainless steel | $\leq 1.5D$ | $\leq 0.1D$ | 100m/min | 0.006D mm/z |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.0055D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC65 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |

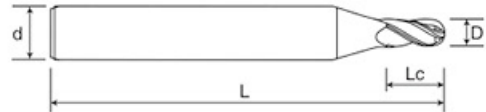
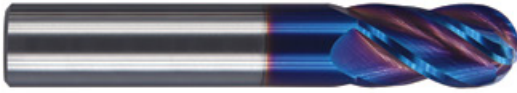
| Type | Specification | | | | Flutes |
|---------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*5*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 8 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R7*28*14*80 | 14 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 14 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 14 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 16 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 16 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 18 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 18 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 20 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 20 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

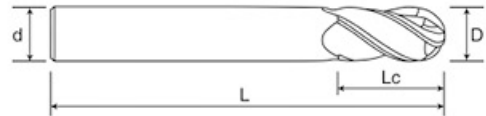
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| M Stainless steel | $\leq 0.2D$ | $\leq 0.2D$ | 80m/min | 0.004D mm/z |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC65 Carbide 4 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 4 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 4 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 4 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 4 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 4 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 4 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 4 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 4 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 4 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 4 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 4 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 4 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 4 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 4 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 4 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 4 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 4 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 4 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 4 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 4 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 4 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 4 |

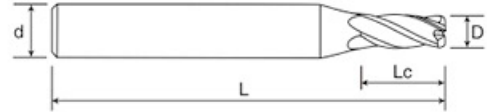
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 4 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 4 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 4 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 4 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 4 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 4 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 4 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 4 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 4 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 4 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 4 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 4 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 4 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 4 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 4 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 4 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 4 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 4 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 4 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 4 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 4 |

Table of applicable processed materials and cutting parameters.

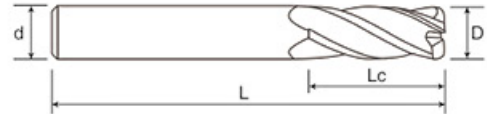
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| M Stainless steel | $\leq 0.2D$ | $\leq 0.2D$ | 80m/min | 0.004D mm/z |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC65 Carbide 4 Flutes Standard Length Corner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

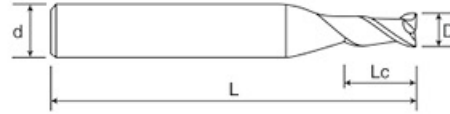
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.006D mm/z |
| M Stainless steel | $\leq 1.5D$ | $\leq 0.1D$ | 100m/min | 0.006D mm/z |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.0055D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC65 Carbide 2 Flutes Micro End Mill



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.6*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

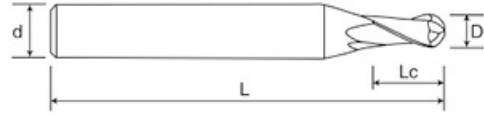
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|------------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 11–28m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC65 Carbide 2 Flutes Micro Ball Nose End Mill



| Type | Specification | | | | Flutes |
|----------------|---------------|-----|---|----|--------|
| | R | Lc | d | L | |
| R0.1*0.4*4*50 | 0.1 | 0.4 | 4 | 50 | 2 |
| R0.15*0.6*4*50 | 0.15 | 0.6 | 4 | 50 | 2 |
| R0.2*0.8*4*50 | 0.2 | 0.8 | 4 | 50 | 2 |
| R0.25*1*4*50 | 0.25 | 1 | 4 | 50 | 2 |

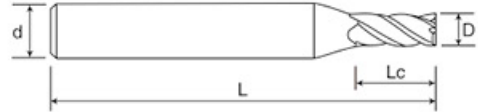
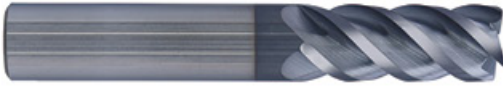
| Type | Specification | | | | Flutes |
|----------------|---------------|-----|---|----|--------|
| | R | Lc | d | L | |
| R0.3*1.2*4*50 | 0.3 | 1.2 | 4 | 50 | 2 |
| R0.35*1.4*4*50 | 0.35 | 1.4 | 4 | 50 | 2 |
| R0.4*1.6*4*50 | 0.4 | 1.6 | 4 | 50 | 2 |
| R0.45*1.8*4*50 | 0.45 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

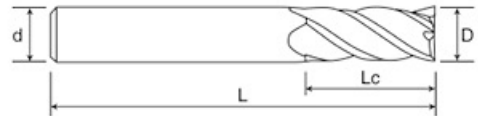
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC60 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

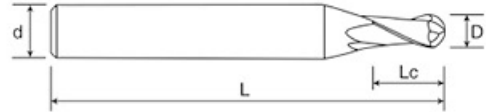
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

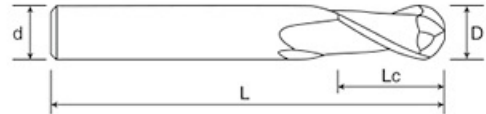
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.006D mm/z |
| M Stainless steel | $\leq 1.5D$ | $\leq 0.1D$ | 100m/min | 0.006D mm/z |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.0055D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC60 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |

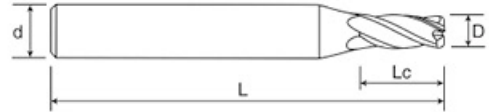
| Type | Specification | | | | Flutes |
|---------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*5*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 8 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R7*28*14*80 | 14 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 14 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 14 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 16 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 16 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 18 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 18 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 20 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 20 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

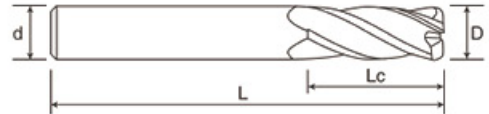
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| M Stainless steel | $\leq 0.2D$ | $\leq 0.2D$ | 80m/min | 0.004D mm/z |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 120m/min | 0.004D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC60 Carbide 4 Flutes Standard Length Corner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

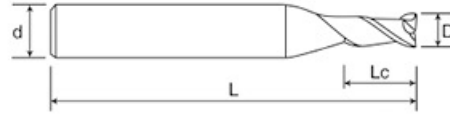
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.006D mm/z |
| M Stainless steel | $\leq 1.5D$ | $\leq 0.1D$ | 100m/min | 0.006D mm/z |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.1D$ | 120m/min | 0.0055D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC60 Carbide 2 Flutes Micro End Mill



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.6*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

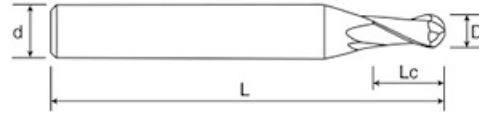
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC60 Carbide 2 Flutes Micro Ball Nose End Mill



| Type | Specification | | | | Flutes |
|----------------|---------------|-----|---|----|--------|
| | R | Lc | d | L | |
| R0.1*0.4*4*50 | 0.1 | 0.4 | 4 | 50 | 2 |
| R0.15*0.6*4*50 | 0.15 | 0.6 | 4 | 50 | 2 |
| R0.2*0.8*4*50 | 0.2 | 0.8 | 4 | 50 | 2 |
| R0.25*1*4*50 | 0.25 | 1 | 4 | 50 | 2 |

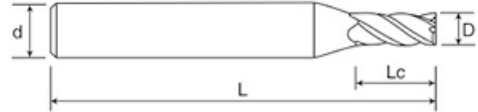
| Type | Specification | | | | Flutes |
|----------------|---------------|-----|---|----|--------|
| | R | Lc | d | L | |
| R0.3*1.2*4*50 | 0.3 | 1.2 | 4 | 50 | 2 |
| R0.35*1.4*4*50 | 0.35 | 1.4 | 4 | 50 | 2 |
| R0.4*1.6*4*50 | 0.4 | 1.6 | 4 | 50 | 2 |
| R0.45*1.8*4*50 | 0.45 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

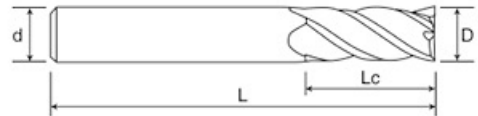
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 1*3*4*75 | 1 | 3 | 4 | 75 | 4 |
| 1.5*4*4*75 | 1.5 | 4 | 4 | 75 | 4 |
| 2*5*4*75 | 2 | 5 | 4 | 75 | 4 |
| 2.5*7*4*75 | 2.5 | 7 | 4 | 75 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |

| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 4 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

Table of applicable processed materials and cutting parameters.

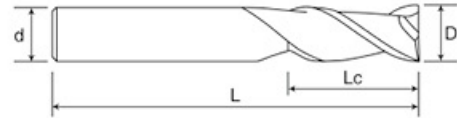
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 2 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 2 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 2 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 2 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 2 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 2 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 2 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 2 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 2 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 2 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 2 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 2 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 2 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 2 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 2 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 2 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 2 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 2 |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 2 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 2 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 2 |

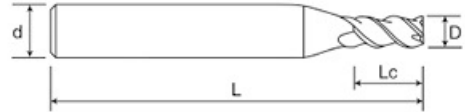
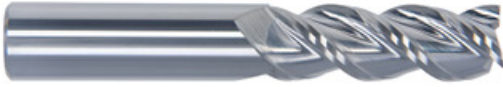
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 2 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 2 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 2 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 2 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 2 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 2 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

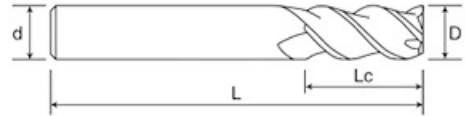
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 3 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 3 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 3 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 3 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 3 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 3 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 3 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 3 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 3 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 3 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 3 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 3 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 3 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 3 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 3 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 3 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 3 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 3 |

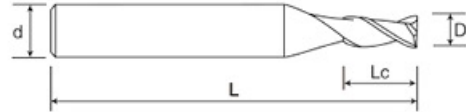
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 3 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 3 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 3 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 3 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 3 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 3 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 3 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 3 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 3 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

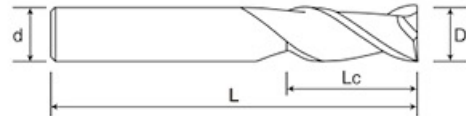
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60–350)m/min | 0.0075D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Standard Length End Mill For Aluimn



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 2 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 2 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 2 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 2 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 2 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 2 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 2 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 2 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 2 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 2 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 2 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 2 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 2 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 2 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 2 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 2 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 2 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |

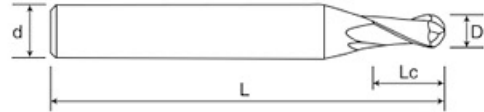
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 2 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 2 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 2 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 2 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 2 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

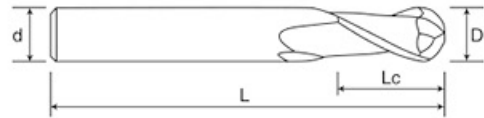
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60-350)m/min | 0.009D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R0.5*2*4*75 | 0.5 | 2 | 4 | 75 | 2 |
| R0.75*3*4*75 | 0.75 | 3 | 4 | 75 | 2 |
| R1*4*4*75 | 1 | 4 | 4 | 75 | 2 |
| R1.25*5*4*75 | 1.25 | 5 | 4 | 75 | 2 |
| R1.5*6*4*75 | 1.5 | 6 | 4 | 75 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |

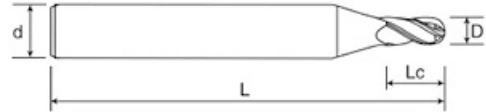
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

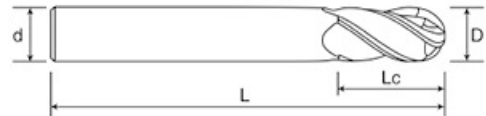
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.3D$ | 150m/min | 0.009D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 130m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 4 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 4 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 4 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 4 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 4 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 4 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 4 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 4 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 4 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 4 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 4 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 4 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 4 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 4 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 4 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 4 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 4 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 4 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 4 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 4 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 4 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 4 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 4 |

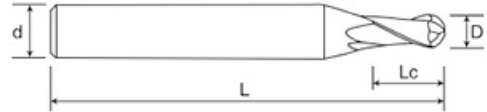
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 4 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 4 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 4 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 4 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 4 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 4 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 4 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 4 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 4 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 4 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 4 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 4 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 4 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 4 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 4 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 4 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 4 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 4 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 4 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 4 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 4 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

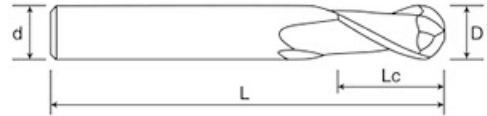
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.3D$ | 150m/min | 0.009D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 130m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Standard Length Ball Nose End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |

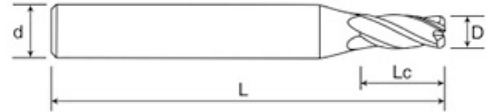
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

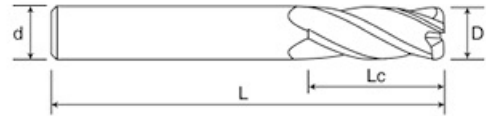
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 0.3D$ | $\leq 0.3D$ | 150(60–350)m/min | 0.02D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 4 Flutes Standard Length Coner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

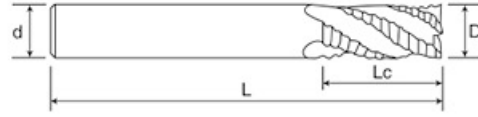
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 180m/min | 0.0085D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.007D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 4 Flutes Roughing End Mill



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |

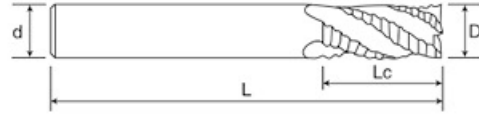
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.006D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.006D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 3 Flutes Roughing End Mill For Aluminum



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 3 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 3 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 3 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 3 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 3 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 8*24*8*60 | 8 | 20 | 8 | 60 | 3 |

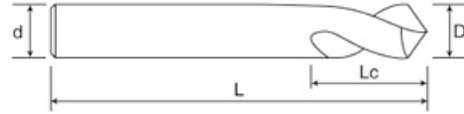
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 3 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide Rigid Fixed Point Drill



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

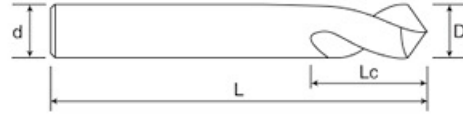
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|------------|
| P Carbon steel, alloy steel | | | 120m/min | 0.05D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | | | 90m/min | 0.05D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide Fixed Point Drill For Aluminum



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

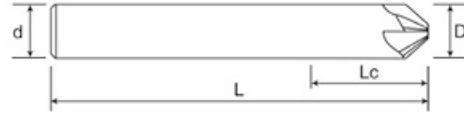
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | | | 130m/min | 0.05D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 4 Flutes Chamfer Mill



| Type | Specification | | Angle |
|----------|---------------|----|-------|
| | D | L | |
| 4*50*90° | 4 | 50 | 90° |
| 6*50*90° | 6 | 50 | 90° |
| 8*60*90° | 6 | 60 | 90° |

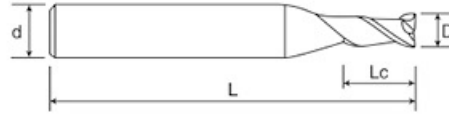
| Type | Specification | | Angle |
|-----------|---------------|----|-------|
| | D | L | |
| 10*75*90° | 10 | 75 | 90° |
| 12*75*90° | 12 | 75 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | 120m/min | 0.025D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | | | 90m/min | 0.025D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Micro End Mill



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.8*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

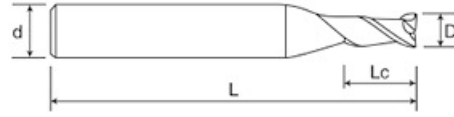
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|-------|-------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | | |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC58 Carbide 2 Flutes Micro End Mill For Aluminum



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.8*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

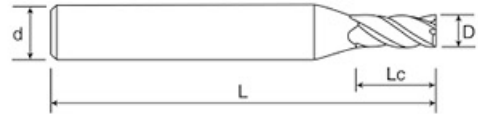
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

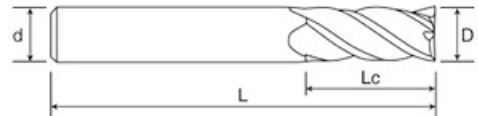
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|-------|-------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | | |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 1*3*4*75 | 1 | 3 | 4 | 75 | 4 |
| 1.5*4*4*75 | 1.5 | 4 | 4 | 75 | 4 |
| 2*5*4*75 | 2 | 5 | 4 | 75 | 4 |
| 2.5*7*4*75 | 2.5 | 7 | 4 | 75 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |

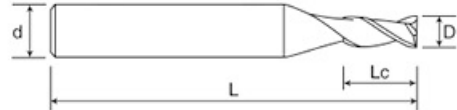
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 4 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

Table of applicable processed materials and cutting parameters.

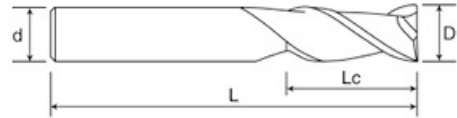
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 2 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 2 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 2 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 2 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 2 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 2 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 2 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 2 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 2 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 2 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 2 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 2 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 2 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 2 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 2 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 2 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 2 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 2 |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 2 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 2 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 2 |

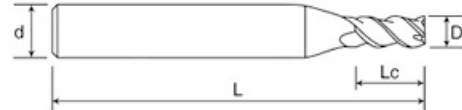
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 2 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 2 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 2 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 2 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 2 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 2 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

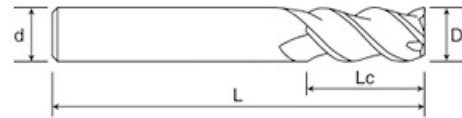
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 170m/min | 0.008D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.0065D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 3 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 3 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 3 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 3 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 3 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 3 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 3 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 3 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 3 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 3 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 3 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 3 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 3 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 3 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 3 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 3 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 3 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 3 |

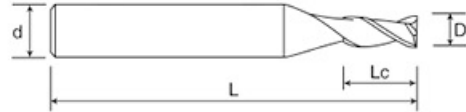
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 3 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 3 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 3 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 3 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 3 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 3 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 3 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 3 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 3 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

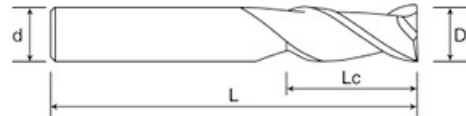
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60–350)m/min | 0.0075D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 2 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 2 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 2 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 2 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 2 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 2 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 2 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 2 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 2 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 2 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 2 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 2 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 2 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 2 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 2 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 2 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 2 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |

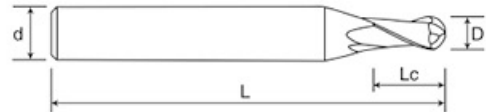
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 2 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 2 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 2 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 2 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 2 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

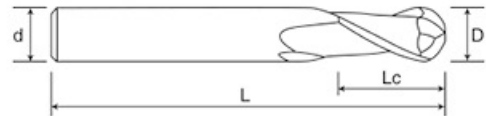
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60-350)m/min | 0.009D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R0.5*2*4*75 | 0.5 | 2 | 4 | 75 | 2 |
| R0.75*3*4*75 | 0.75 | 3 | 4 | 75 | 2 |
| R1*4*4*75 | 1 | 4 | 4 | 75 | 2 |
| R1.25*5*4*75 | 1.25 | 5 | 4 | 75 | 2 |
| R1.5*6*4*75 | 1.5 | 6 | 4 | 75 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |

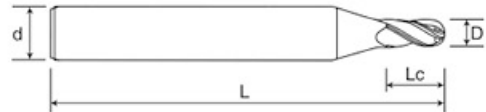
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

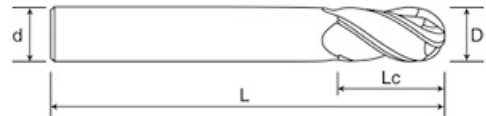
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.3D$ | 150m/min | 0.009D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 130m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 4 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 4 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 4 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 4 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 4 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 4 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 4 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 4 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 4 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 4 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 4 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 4 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 4 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 4 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 4 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 4 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 4 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 4 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 4 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 4 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 4 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 4 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 4 |

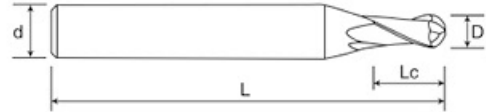
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 4 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 4 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 4 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 4 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 4 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 4 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 4 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 4 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 4 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 4 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 4 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 4 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 4 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 4 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 4 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 4 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 4 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 4 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 4 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 4 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 4 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

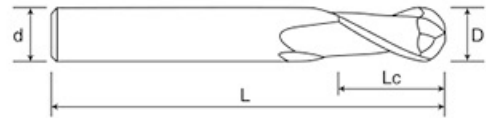
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 0.2D$ | $\leq 0.3D$ | 150m/min | 0.009D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.2D$ | 130m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Standard Length Ball Nose End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |

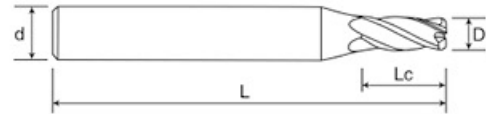
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

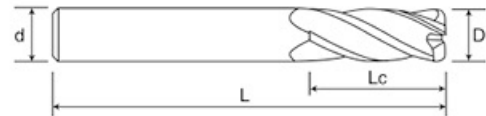
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 0.3D$ | $\leq 0.3D$ | 150(60–350)m/min | 0.02D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 4 Flutes Standard Length Corner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

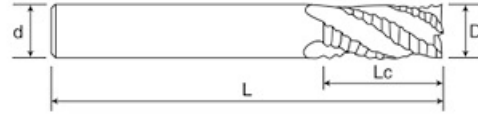
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | 180m/min | 0.0085D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 150m/min | 0.007D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 4 Flutes Roughing End Mill



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |

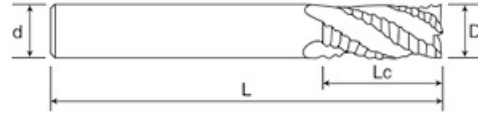
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.006D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.006D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 3 Flutes Roughing End Mill For Aluminum



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 3 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 3 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 3 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 3 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 3 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 8*24*8*60 | 8 | 20 | 8 | 60 | 3 |

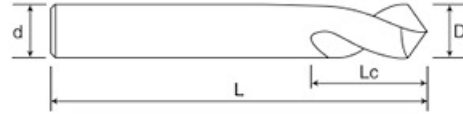
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 3 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.3D$ | 130m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide Rigid Fixed Point Drill



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

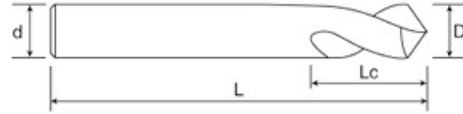
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|------------|
| P Carbon steel, alloy steel | | | 120m/min | 0.05D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | | | 90m/min | 0.05D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide Fixed Point Drill For Aluminum



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

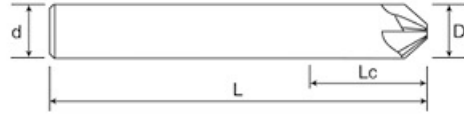
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | | | 130m/min | 0.05D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 4 Flutes Chamfer Mill



| Type | Specification | | Angle |
|----------|---------------|----|-------|
| | D | L | |
| 4*50*90° | 4 | 50 | 90° |
| 6*50*90° | 6 | 50 | 90° |
| 8*60*90° | 6 | 60 | 90° |

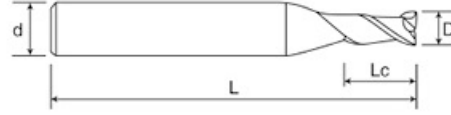
| Type | Specification | | Angle |
|-----------|---------------|----|-------|
| | D | L | |
| 10*75*90° | 10 | 75 | 90° |
| 12*75*90° | 12 | 75 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | 120m/min | 0.025D mm/z |
| M Stainless steel | | | | |
| K Cast Iron | | | 90m/min | 0.025D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Micro End Mill



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.8*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

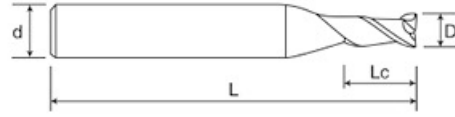
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|-------|-------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | | |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC55 Carbide 2 Flutes Micro End Mill For Aluminum



| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.2*0.4*4*50 | 0.2 | 0.4 | 4 | 50 | 2 |
| 0.3*0.6*4*50 | 0.3 | 0.6 | 4 | 50 | 2 |
| 0.4*0.8*4*50 | 0.4 | 0.8 | 4 | 50 | 2 |
| 0.5*1*4*50 | 0.5 | 1 | 4 | 50 | 2 |

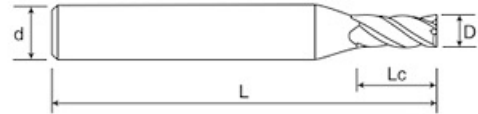
| Type | Specification | | | | Flutes |
|--------------|---------------|-----|---|----|--------|
| | D | Lc | d | L | |
| 0.6*1.2*4*50 | 0.6 | 1.2 | 4 | 50 | 2 |
| 0.7*1.4*4*50 | 0.7 | 1.4 | 4 | 50 | 2 |
| 0.8*1.6*4*50 | 0.8 | 1.6 | 4 | 50 | 2 |
| 0.9*1.8*4*50 | 0.9 | 1.8 | 4 | 50 | 2 |

► Table of applicable processed materials and cutting parameters.

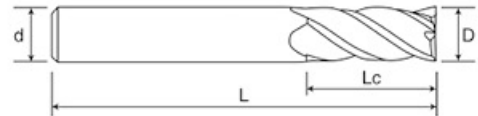
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|-------|-------|
| P Carbon steel, alloy steel | $\leq 1.5D$ | $\leq 0.15D$ | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | | |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 1*3*4*75 | 1 | 3 | 4 | 75 | 4 |
| 1.5*4*4*75 | 1.5 | 4 | 4 | 75 | 4 |
| 2*5*4*75 | 2 | 5 | 4 | 75 | 4 |
| 2.5*7*4*75 | 2.5 | 7 | 4 | 75 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |

| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 4 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

Table of applicable processed materials and cutting parameters.

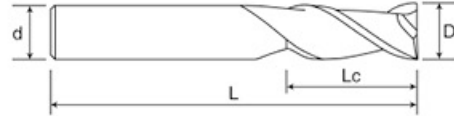
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|--------------|----------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1D$ | $\leq 0.12D$ | 160m/min | 0.0075D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 2 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 2 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 2 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 2 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 2 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 2 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 2 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 2 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 2 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 2 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 2 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 2 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 2 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 2 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 2 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 2 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 2 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 2 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 2 |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 2 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 2 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 2 |

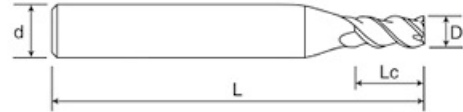
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 2 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 2 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 2 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 2 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 2 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 2 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

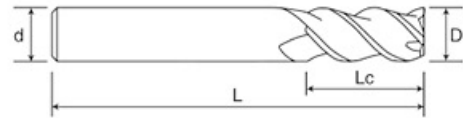
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|--------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1D$ | $\leq 0.12D$ | 160m/min | 0.008D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 3 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 3 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 3 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 3 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 3 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 3 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 3 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 3 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 3 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 3 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 3 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 3 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 3 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 3 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 3 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 3 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 3 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |

| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 3 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 3 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 3 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 3 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 3 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 3 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 3 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 3 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 3 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

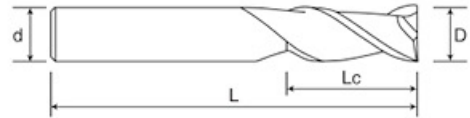
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60–350)m/min | 0.007D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 2 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 2 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 2 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 2 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 2 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 2 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 2 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 2 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 2 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 2 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 2 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 2 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 2 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 2 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 2 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 2 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 2 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 2 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |

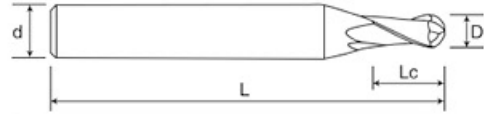
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 2 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 2 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 2 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 2 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 2 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

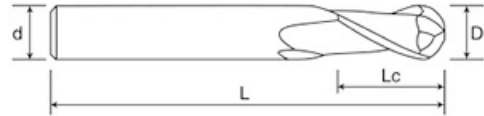
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 2.5D$ | $\leq 0.15D$ | 150(60-350)m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R0.5*2*4*75 | 0.5 | 2 | 4 | 75 | 2 |
| R0.75*3*4*75 | 0.75 | 3 | 4 | 75 | 2 |
| R1*4*4*75 | 1 | 4 | 4 | 75 | 2 |
| R1.25*5*4*75 | 1.25 | 5 | 4 | 75 | 2 |
| R1.5*6*4*75 | 1.5 | 6 | 4 | 75 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |

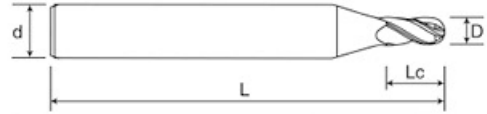
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

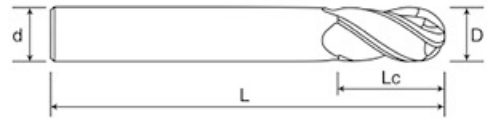
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.3D$ | 160m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 4 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 4 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 4 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 4 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 4 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 4 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 4 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 4 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 4 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 4 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 4 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 4 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 4 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 4 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 4 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 4 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 4 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 4 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 4 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 4 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 4 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 4 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 4 |

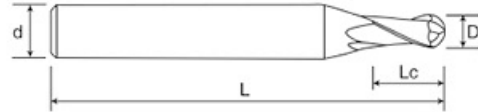
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 4 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 4 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 4 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 4 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 4 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 4 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 4 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 4 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 4 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 4 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 4 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 4 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 4 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 4 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 4 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 4 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 4 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 4 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 4 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 4 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 4 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

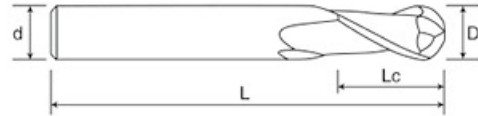
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 160m/min | 0.01D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 2 Flutes Standard Length Ball Nose End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |

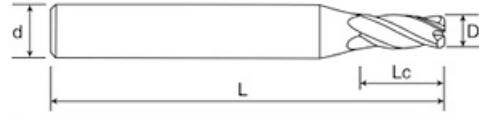
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

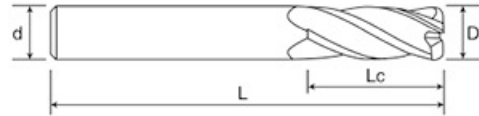
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60-350)m/min | 0.009D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 4 Flutes Standard Length Corner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

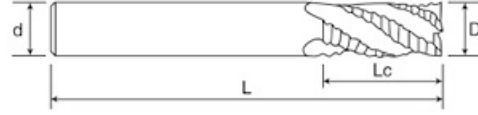
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 180m/min | 0.0085D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 4 Flutes Roughing End Mill



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |

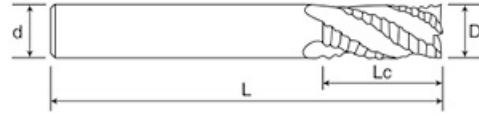
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.3D$ | 140m/min | 0.006D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 3 Flutes Roughing End Mill For Aluminum



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 3 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 3 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 3 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 3 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 3 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 8*24*8*60 | 8 | 20 | 8 | 60 | 3 |

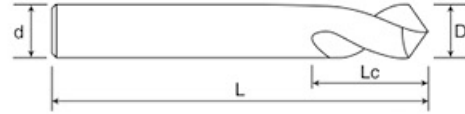
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 3 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 2D$ | $\leq 0.3D$ | 130m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide Rigid Fixed Point Drill



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

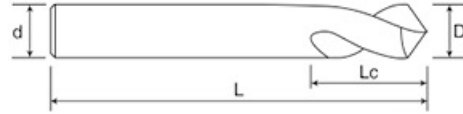
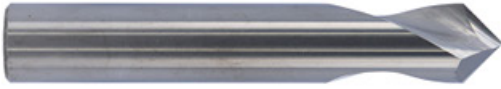
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | 130m/min | 0.005D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide Fixed Point Drill For Aluminum



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

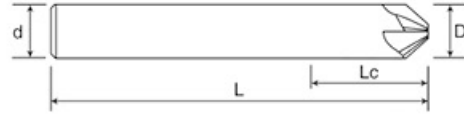
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | | | 150(60–350)m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC50 Carbide 4 Flutes Chamfer Mill



| Type | Specification | | Angle |
|----------|---------------|----|-------|
| | D | L | |
| 4*50*90° | 4 | 50 | 90° |
| 6*50*90° | 6 | 50 | 90° |
| 8*60*90° | 6 | 60 | 90° |

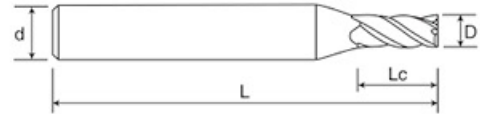
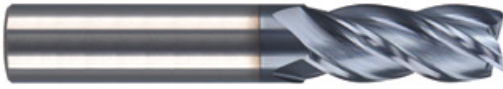
| Type | Specification | | Angle |
|-----------|---------------|----|-------|
| | D | L | |
| 10*75*90° | 10 | 75 | 90° |
| 12*75*90° | 12 | 75 | 90° |

► Table of applicable processed materials and cutting parameters.

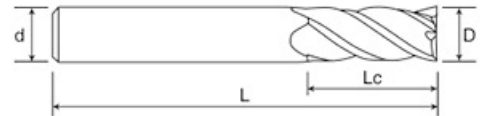
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | 130m/min | 0.003D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 4 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 4 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 4 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 1*3*4*75 | 1 | 3 | 4 | 75 | 4 |
| 1.5*4*4*75 | 1.5 | 4 | 4 | 75 | 4 |
| 2*5*4*75 | 2 | 5 | 4 | 75 | 4 |
| 2.5*7*4*75 | 2.5 | 7 | 4 | 75 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 4 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 4 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 4 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 4 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 4 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 4 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 4 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |

| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 4 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

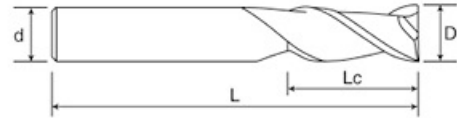
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|--------------|----------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1D$ | $\leq 0.12D$ | 160m/min | 0.0075D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 2 Flutes Standard Length End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 2 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 2 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 2 |
| 2.5*7*4*50 | 2.5 | 7 | 4 | 50 | 2 |
| 3*8*4*50 | 3 | 8 | 4 | 50 | 2 |
| 3.5*10*4*50 | 3.5 | 10 | 4 | 50 | 2 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 2 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 2 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 2 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 1*3*6*50 | 1 | 3 | 6 | 50 | 2 |
| 1.5*4*6*50 | 1.5 | 4 | 6 | 50 | 2 |
| 2*5*6*50 | 2 | 5 | 6 | 50 | 2 |
| 2.5*7*6*50 | 2.5 | 7 | 6 | 50 | 2 |
| 3*8*6*50 | 3 | 8 | 6 | 50 | 2 |
| 3.5*10*6*50 | 3.5 | 10 | 6 | 50 | 2 |
| 4*10*6*50 | 4 | 10 | 6 | 50 | 2 |
| 4.5*12*6*50 | 4.5 | 12 | 6 | 50 | 2 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 2 |
| 5.5*15*6*50 | 5.5 | 15 | 6 | 50 | 2 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 2 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 2 |

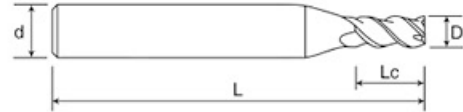
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*18*8*60 | 7 | 18 | 8 | 60 | 2 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 2 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 2 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*23*10*75 | 9 | 23 | 10 | 75 | 2 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*28*12*75 | 11 | 28 | 12 | 75 | 2 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 13*45*14*100 | 13 | 45 | 14 | 100 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 2 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

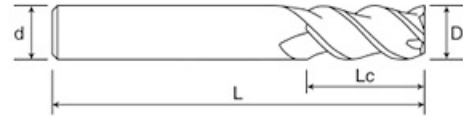
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|--------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1D$ | $\leq 0.12D$ | 160m/min | 0.008D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 3 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 3 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 3 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 3 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 3 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 3 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 3 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 3 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 3 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 3 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 3 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 3 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 3 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 3 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 3 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 3 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 3 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |

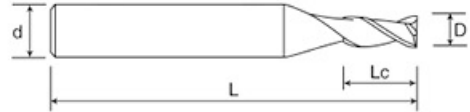
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 3 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 3 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 3 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 3 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 3 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 3 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 3 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 3 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 3 |
| 15*45*16*100 | 15 | 45 | 16 | 100 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

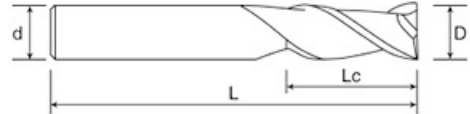
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60–350)m/min | 0.007D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 2 Flutes Standard Length End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|-------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*9*3*50 | 3 | 9 | 3 | 50 | 2 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 2 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 2 |
| 2*6*4*50 | 2 | 6 | 4 | 50 | 2 |
| 2.5*8*4*50 | 2.5 | 8 | 4 | 50 | 2 |
| 3*9*4*50 | 3 | 9 | 4 | 50 | 2 |
| 3.5*12*4*50 | 3.5 | 12 | 4 | 50 | 2 |
| 4*12*4*50 | 4 | 12 | 4 | 50 | 2 |
| 4*20*4*75 | 4 | 20 | 4 | 75 | 2 |
| 4*25*4*100 | 4 | 25 | 4 | 100 | 2 |
| 5*15*5*50 | 5 | 15 | 5 | 50 | 2 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 2 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 2 |
| 2*6*6*50 | 2 | 6 | 6 | 50 | 2 |
| 2.5*8*6*50 | 2.5 | 8 | 6 | 50 | 2 |
| 3*9*6*50 | 3 | 9 | 6 | 50 | 2 |
| 3.5*12*6*50 | 3.5 | 12 | 6 | 50 | 2 |
| 4*12*6*50 | 4 | 12 | 6 | 50 | 2 |
| 4.5*14*6*50 | 4.5 | 14 | 6 | 50 | 2 |
| 5*15*6*50 | 5 | 15 | 6 | 50 | 2 |
| 5.5*18*6*50 | 5.5 | 18 | 6 | 50 | 2 |
| 6*18*6*50 | 6 | 18 | 6 | 50 | 2 |
| 6*30*6*75 | 6 | 30 | 6 | 75 | 2 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 2 |

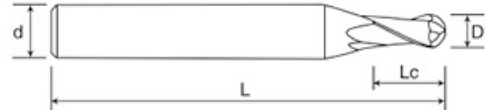
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 2 |
| 7*21*8*60 | 7 | 21 | 8 | 60 | 2 |
| 8*24*8*60 | 8 | 24 | 8 | 60 | 2 |
| 8*35*8*75 | 8 | 35 | 8 | 75 | 2 |
| 8*40*8*100 | 8 | 40 | 8 | 100 | 2 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 2 |
| 9*27*10*75 | 9 | 27 | 10 | 75 | 2 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 2 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 2 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 2 |
| 11*33*12*75 | 11 | 33 | 12 | 75 | 2 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 2 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 2 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 2 |
| 14*35*14*80 | 14 | 35 | 14 | 80 | 2 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 2 |
| 14*65*14*150 | 14 | 65 | 14 | 150 | 2 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 2 |
| 16*65*16*150 | 16 | 65 | 16 | 150 | 2 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 2 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 2 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 2 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 2 |

► Table of applicable processed materials and cutting parameters.

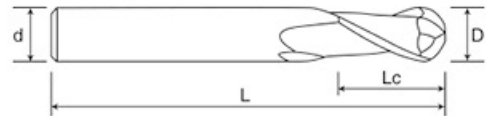
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 2.5D$ | $\leq 0.15D$ | 150(60–350)m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 2 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R0.5*2*4*75 | 0.5 | 2 | 4 | 75 | 2 |
| R0.75*3*4*75 | 0.75 | 3 | 4 | 75 | 2 |
| R1*4*4*75 | 1 | 4 | 4 | 75 | 2 |
| R1.25*5*4*75 | 1.25 | 5 | 4 | 75 | 2 |
| R1.5*6*4*75 | 1.5 | 6 | 4 | 75 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R0.5*2*6*50 | 0.5 | 2 | 6 | 50 | 2 |
| R0.75*3*6*50 | 0.75 | 3 | 6 | 50 | 2 |
| R1*4*6*50 | 1 | 4 | 6 | 50 | 2 |
| R1.25*5*6*50 | 1.25 | 5 | 6 | 50 | 2 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 2 |
| R1.75*7*6*50 | 1.75 | 7 | 6 | 50 | 2 |
| R2*8*6*50 | 2 | 8 | 6 | 50 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |

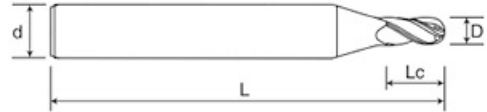
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

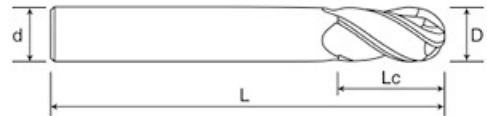
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 0.2D$ | $\leq 0.3D$ | 160m/min | 0.009D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 4 Flutes Standard Length Ball Nose End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 4 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 4 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 4 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 4 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 4 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 4 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 4 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 4 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 4 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 4 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 4 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 4 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 4 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 4 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 4 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 4 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 4 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 4 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 4 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 4 |
| R1.5*6*6*50 | 1.5 | 6 | 6 | 50 | 4 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 4 |

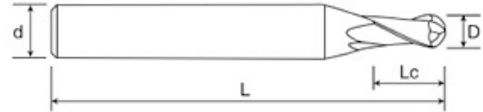
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 4 |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 4 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 4 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 4 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 4 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 4 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 4 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 4 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 4 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 4 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 4 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 4 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 4 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 4 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 4 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 4 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 4 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 4 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 4 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 4 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 4 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

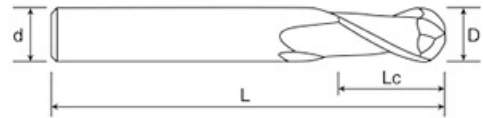
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 160m/min | 0.01D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 2 Flutes Standard Length Ball Nose End Mill For Aluminum



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|---------------|---------------|----|---|-----|--------|
| | R | Lc | d | L | |
| R1.5*6*3*50 | 1.5 | 6 | 3 | 50 | 2 |
| R1.5*6*3*75 | 1.5 | 6 | 3 | 75 | 2 |
| R1.5*6*3*100 | 1.5 | 6 | 3 | 100 | 2 |
| R0.5*2*4*50 | 0.5 | 2 | 4 | 50 | 2 |
| R0.75*3*4*50 | 0.75 | 3 | 4 | 50 | 2 |
| R1*4*4*50 | 1 | 4 | 4 | 50 | 2 |
| R1.25*5*4*50 | 1.25 | 5 | 4 | 50 | 2 |
| R1.5*6*4*50 | 1.5 | 6 | 4 | 50 | 2 |
| R1.75*7*4*50 | 1.75 | 7 | 4 | 50 | 2 |
| R2*8*4*50 | 2 | 8 | 4 | 50 | 2 |
| R2*8*4*75 | 2 | 8 | 4 | 75 | 2 |
| R2*8*4*100 | 2 | 8 | 4 | 100 | 2 |
| R2.5*10*5*50 | 2.5 | 10 | 5 | 50 | 2 |
| R2.5*10*5*75 | 2.5 | 10 | 5 | 75 | 2 |
| R2.5*10*5*100 | 2.5 | 10 | 5 | 100 | 2 |
| R2.5*10*6*50 | 2.5 | 10 | 6 | 50 | 2 |
| R3*12*6*50 | 3 | 12 | 6 | 50 | 2 |
| R3*12*6*75 | 3 | 12 | 6 | 75 | 2 |
| R3*12*6*100 | 3 | 12 | 6 | 100 | 2 |
| R3*12*6*150 | 3 | 12 | 6 | 150 | 2 |
| R3.5*14*8*60 | 3.5 | 14 | 8 | 60 | 2 |
| R4*16*8*60 | 4 | 16 | 8 | 60 | 2 |

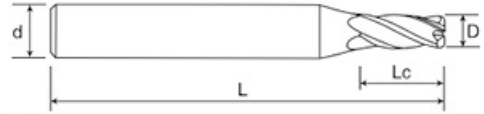
| Type | Specification | | | | Flutes |
|----------------|---------------|----|----|-----|--------|
| | R | Lc | d | L | |
| R4*16*8*75 | 4 | 16 | 8 | 75 | 2 |
| R4*16*8*100 | 4 | 16 | 8 | 100 | 2 |
| R4*16*8*150 | 4 | 16 | 8 | 150 | 2 |
| R4.5*18*10*75 | 4.5 | 18 | 10 | 75 | 2 |
| R5*20*10*75 | 5 | 20 | 10 | 75 | 2 |
| R5*20*10*100 | 5 | 20 | 10 | 100 | 2 |
| R5*20*10*150 | 5 | 20 | 10 | 150 | 2 |
| R5.5*22*12*75 | 5.5 | 22 | 12 | 75 | 2 |
| R6*24*12*75 | 6 | 24 | 12 | 75 | 2 |
| R6*24*12*100 | 6 | 24 | 12 | 100 | 2 |
| R6*24*12*150 | 6 | 24 | 12 | 150 | 2 |
| R6.5*26*14*100 | 6.5 | 26 | 14 | 100 | 2 |
| R7*28*14*80 | 7 | 28 | 14 | 80 | 2 |
| R7*28*14*100 | 7 | 28 | 14 | 100 | 2 |
| R7*28*14*150 | 7 | 28 | 14 | 150 | 2 |
| R8*32*16*100 | 8 | 32 | 16 | 100 | 2 |
| R8*32*16*150 | 8 | 32 | 16 | 150 | 2 |
| R9*36*18*100 | 9 | 36 | 18 | 100 | 2 |
| R9*36*18*150 | 9 | 36 | 18 | 150 | 2 |
| R10*40*20*100 | 10 | 40 | 20 | 100 | 2 |
| R10*40*20*150 | 10 | 40 | 20 | 150 | 2 |

Table of applicable processed materials and cutting parameters.

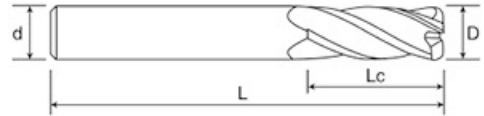
| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 1.5D$ | $\leq 0.2D$ | 150(60–350)m/min | 0.009D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 4 Flutes Standard Length Corner Radius End Mill



Picture 1



Picture 2

| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 1*3*4*50 | 1 | 3 | 4 | 50 | 4 |
| 1.5*4*4*50 | 1.5 | 4 | 4 | 50 | 4 |
| 2*5*4*50 | 2 | 5 | 4 | 50 | 4 |
| 3*8*4*75 | 3 | 8 | 4 | 75 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |

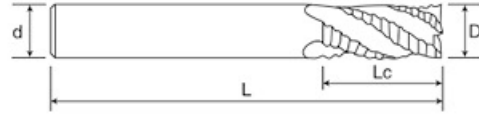
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 6*40*6*150 | 6 | 40 | 6 | 150 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 8*50*8*150 | 8 | 50 | 8 | 150 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 10*50*10*150 | 10 | 50 | 10 | 150 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 12*60*12*150 | 12 | 60 | 12 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|--------------|----------|--------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.15D$ | 180m/min | 0.0085D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 4 Flutes Roughing End Mill



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 4 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 4 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 4 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 4 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 4 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 4 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 4 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 4 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 4 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 4 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 4 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 4 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 4 |
| 8*20*8*60 | 8 | 20 | 8 | 60 | 4 |

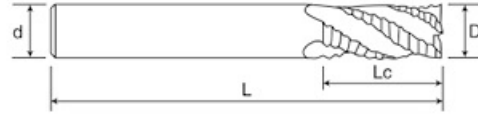
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 4 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 4 |
| 10*25*10*75 | 10 | 25 | 10 | 75 | 4 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 4 |
| 12*30*12*75 | 12 | 30 | 12 | 75 | 4 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 4 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 4 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 4 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 4 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 4 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 4 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 4 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 4 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 4 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | $\leq 1.5D$ | $\leq 0.3D$ | 140m/min | 0.006D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 3 Flutes Roughing End Mill For Aluminum



| Type | Specification | | | | Flutes |
|------------|---------------|----|---|-----|--------|
| | D | Lc | d | L | |
| 3*8*3*50 | 3 | 8 | 3 | 50 | 3 |
| 3*12*3*75 | 3 | 12 | 3 | 75 | 3 |
| 3*15*3*100 | 3 | 15 | 3 | 100 | 3 |
| 4*10*4*50 | 4 | 10 | 4 | 50 | 3 |
| 4*16*4*75 | 4 | 16 | 4 | 75 | 3 |
| 4*20*4*100 | 4 | 20 | 4 | 100 | 3 |
| 5*13*5*50 | 5 | 13 | 5 | 50 | 3 |
| 5*20*5*75 | 5 | 20 | 5 | 75 | 3 |
| 5*25*5*100 | 5 | 25 | 5 | 100 | 3 |
| 5*13*6*50 | 5 | 13 | 6 | 50 | 3 |
| 6*15*6*50 | 6 | 15 | 6 | 50 | 3 |
| 6*25*6*75 | 6 | 25 | 6 | 75 | 3 |
| 6*30*6*100 | 6 | 30 | 6 | 100 | 3 |
| 8*24*8*60 | 8 | 20 | 8 | 60 | 3 |

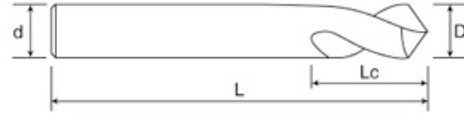
| Type | Specification | | | | Flutes |
|--------------|---------------|----|----|-----|--------|
| | D | Lc | d | L | |
| 8*28*8*75 | 8 | 28 | 8 | 75 | 3 |
| 8*35*8*100 | 8 | 35 | 8 | 100 | 3 |
| 10*30*10*75 | 10 | 30 | 10 | 75 | 3 |
| 10*40*10*100 | 10 | 40 | 10 | 100 | 3 |
| 12*36*12*75 | 12 | 36 | 12 | 75 | 3 |
| 12*45*12*100 | 12 | 45 | 12 | 100 | 3 |
| 14*45*14*100 | 14 | 45 | 14 | 100 | 3 |
| 14*60*14*150 | 14 | 60 | 14 | 150 | 3 |
| 16*45*16*100 | 16 | 45 | 16 | 100 | 3 |
| 16*60*16*150 | 16 | 60 | 16 | 150 | 3 |
| 18*45*18*100 | 18 | 45 | 18 | 100 | 3 |
| 18*70*18*150 | 18 | 70 | 18 | 150 | 3 |
| 20*45*20*100 | 20 | 45 | 20 | 100 | 3 |
| 20*70*20*150 | 20 | 70 | 20 | 150 | 3 |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-----------|-------------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | $\leq 2D$ | $\leq 0.3D$ | 130m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide Rigid Fixed Point Drill



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

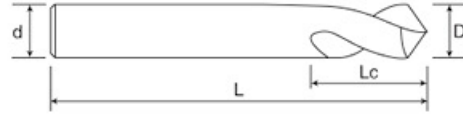
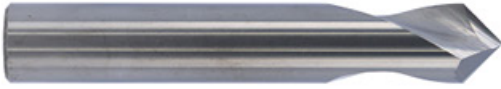
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | 130m/min | 0.003D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide Fixed Point Drill For Aluminum



| Type | Specification | | | | Angle |
|------------|---------------|----|---|-----|-------|
| | D | Lc | d | L | |
| 3*6*3*50 | 3 | 6 | 3 | 50 | 90° |
| 3*6*3*75 | 3 | 6 | 3 | 75 | 90° |
| 3*6*3*100 | 3 | 6 | 3 | 100 | 90° |
| 2*4*4*50 | 2 | 4 | 4 | 50 | 90° |
| 3*6*4*50 | 3 | 6 | 4 | 50 | 90° |
| 4*8*4*50 | 4 | 8 | 4 | 50 | 90° |
| 4*8*4*75 | 4 | 8 | 4 | 75 | 90° |
| 4*8*4*100 | 4 | 8 | 4 | 100 | 90° |
| 5*10*5*50 | 5 | 10 | 5 | 50 | 90° |
| 5*10*5*75 | 5 | 10 | 5 | 75 | 90° |
| 5*10*5*100 | 5 | 10 | 5 | 100 | 90° |
| 6*12*6*50 | 6 | 12 | 6 | 50 | 90° |
| 6*12*6*75 | 6 | 12 | 6 | 75 | 90° |
| 6*12*6*100 | 6 | 12 | 6 | 100 | 90° |
| 8*16*8*60 | 8 | 16 | 8 | 60 | 90° |

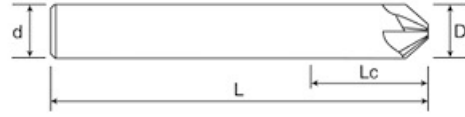
| Type | Specification | | | | Angle |
|--------------|---------------|----|----|-----|-------|
| | D | Lc | d | L | |
| 8*16*8*75 | 8 | 16 | 8 | 75 | 90° |
| 8*16*8*100 | 8 | 16 | 8 | 100 | 90° |
| 10*20*10*75 | 10 | 20 | 10 | 75 | 90° |
| 10*20*10*100 | 10 | 20 | 10 | 100 | 90° |
| 12*24*12*75 | 12 | 24 | 12 | 75 | 90° |
| 12*24*12*100 | 12 | 24 | 12 | 100 | 90° |
| 14*28*14*100 | 14 | 28 | 14 | 100 | 90° |
| 14*28*14*150 | 14 | 28 | 14 | 150 | 90° |
| 16*32*16*100 | 16 | 32 | 16 | 100 | 90° |
| 16*32*16*150 | 16 | 32 | 16 | 150 | 90° |
| 18*36*18*100 | 18 | 36 | 18 | 100 | 90° |
| 18*36*18*150 | 18 | 36 | 18 | 150 | 90° |
| 20*40*20*100 | 20 | 40 | 20 | 100 | 90° |
| 20*40*20*150 | 20 | 40 | 20 | 150 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|------------------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | | |
| N Aluminum Alloy steel | | | 150(60–350)m/min | 0.008D mm/z |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

HRC45 Carbide 4 Flutes Chamfer Mill



| Type | Specification | | Angle |
|----------|---------------|----|-------|
| | D | L | |
| 4*50°90° | 4 | 50 | 90° |
| 6*50°90° | 6 | 50 | 90° |
| 8*60°90° | 6 | 60 | 90° |

| Type | Specification | | Angle |
|-----------|---------------|----|-------|
| | D | L | |
| 10*75°90° | 10 | 75 | 90° |
| 12*75°90° | 12 | 75 | 90° |

► Table of applicable processed materials and cutting parameters.

| Applicable materials | a_p | a_e | V_c | f_z |
|------------------------------------|-------|-------|----------|-------------|
| P Carbon steel, alloy steel | | | | |
| M Stainless steel | | | | |
| K Cast Iron | | | 130m/min | 0.003D mm/z |
| N Aluminum Alloy steel | | | | |
| S Superalloy | | | | |
| H Hardened Steel | | | | |

Please adjust the parameters according to the material and hardness of workpieces.

Customized Tools

