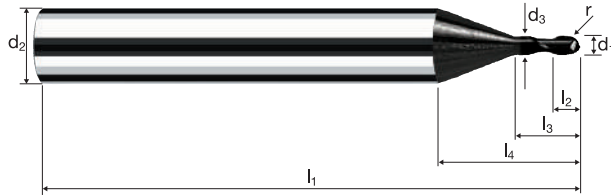
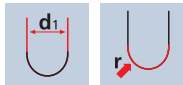


Ball nose end mills MicroX

Shank \varnothing 6mm, cylindrical neck, 3xd



HM λ 30°
XA γ 15°



C Graphite CF / GF Fiber Reinforced Plastics

IV

| Example: Order-N°. | | | | | | | | | | | DIAPLUS | |
|-----------------------|----------------|----------------------|----------------|----------------|----------------|----------------|----------------|-------------|----------|---|---------|--|
| | | | | | | | | | | | B6062 | |
| \varnothing Code | d ₁ | d ₂ h4 | d ₃ | l ₁ | l ₂ | l ₃ | l ₄ | r ±0.005 | α | z | | |
| 120 | 1.50 | 6.00 | 1.40 | 57 | 1.50 | 4.50 | 13.74 | 0.750 | 10.3° | 2 | ● | |
| 140 | 2.00 | 6.00 | 1.90 | 57 | 2.00 | 6.00 | 14.31 | 1.000 | 9.0° | 2 | ● | |
| 180 | 3.00 | 6.00 | 2.80 | 57 | 3.00 | 9.00 | 15.63 | 1.500 | 6.4° | 2 | ● | |
| 220 | 4.00 | 6.00 | 3.70 | 57 | 4.00 | 12.00 | 16.95 | 2.000 | 4.1° | 2 | ● | |
| 260 | 5.00 | 6.00 | 4.60 | 57 | 5.00 | 15.00 | 18.27 | 2.500 | 2.0° | 2 | ● | |
| 300 | 6.00 | 6.00 | 5.50 | 57 | 6.00 | 17.34 | 18.00 | 3.000 | 0.0° | 2 | ● | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Application | Material | d1 [mm] | z | f _z [mm] | a _p [mm] | a _e [mm] | n=15000 min ⁻¹ vf [mm/min] | n=25000 min ⁻¹ vf [mm/min] | n=30000 min ⁻¹ vf [mm/min] | n=45000 min ⁻¹ vf [mm/min] |
|-------------|----------------------------------|------------|---|------------------------|------------------------|------------------------|--|--|--|--|
| | Graphite B B | 1.50 | 2 | 0.018 | 0.750 | 0.900 | 540 | 900 | 1080 | 1620 |
| | | 2.00 | 2 | 0.024 | 1.000 | 1.200 | 720 | 1200 | 1440 | 2160 |
| | | 3.00 | 2 | 0.035 | 1.500 | 1.800 | 1050 | 1750 | 2100 | 3150 |
| | | 4.00 | 2 | 0.047 | 2.000 | 2.400 | 1410 | 2350 | 2820 | 4230 |
| | | 5.00 | 2 | 0.059 | 2.500 | 3.000 | 1770 | 2950 | 3540 | 5310 |
| | | 6.00 | 2 | 0.071 | 3.000 | 3.600 | 2130 | 3550 | 4260 | 6390 |
| | Graphite B B | 1.50 | 2 | 0.014 | 0.750 | 1.500 | 420 | 700 | 840 | 1260 |
| | | 2.00 | 2 | 0.018 | 1.000 | 2.000 | 540 | 900 | 1080 | 1620 |
| | | 3.00 | 2 | 0.027 | 1.500 | 3.000 | 810 | 1350 | 1620 | 2430 |
| | | 4.00 | 2 | 0.036 | 2.000 | 4.000 | 1080 | 1800 | 2160 | 3240 |
| | | 5.00 | 2 | 0.045 | 2.500 | 5.000 | 1350 | 2250 | 2700 | 4050 |
| | | 6.00 | 2 | 0.055 | 3.000 | 6.000 | 1650 | 2750 | 3300 | 4950 |
| | Graphite B B | 1.50 | 2 | 0.020 | 0.230 | 0.300 | 600 | 1000 | 1200 | 1800 |
| | | 2.00 | 2 | 0.027 | 0.300 | 0.400 | 810 | 1350 | 1620 | 2430 |
| | | 3.00 | 2 | 0.040 | 0.450 | 0.600 | 1200 | 2000 | 2400 | 3600 |
| | | 4.00 | 2 | 0.053 | 0.600 | 0.800 | 1590 | 2650 | 3180 | 4770 |
| | | 5.00 | 2 | 0.067 | 0.750 | 1.000 | 2010 | 3350 | 4020 | 6030 |
| | | 6.00 | 2 | 0.080 | 0.900 | 1.200 | 2400 | 4000 | 4800 | 7200 |
| | Graphite B B | 1.50 | 2 | 0.020 | 0.300 | 0.300 | 600 | 1000 | 1200 | 1800 |
| | | 2.00 | 2 | 0.027 | 0.400 | 0.400 | 810 | 1350 | 1620 | 2430 |
| | | 3.00 | 2 | 0.040 | 0.600 | 0.600 | 1200 | 2000 | 2400 | 3600 |
| | | 4.00 | 2 | 0.053 | 0.800 | 0.800 | 1590 | 2650 | 3180 | 4770 |
| | | 5.00 | 2 | 0.067 | 1.000 | 1.000 | 2010 | 3350 | 4020 | 6030 |
| | | 6.00 | 2 | 0.080 | 1.200 | 1.200 | 2400 | 4000 | 4800 | 7200 |