

MS2XLB

Ball nose, Short cut length, 2 flute, Long neck

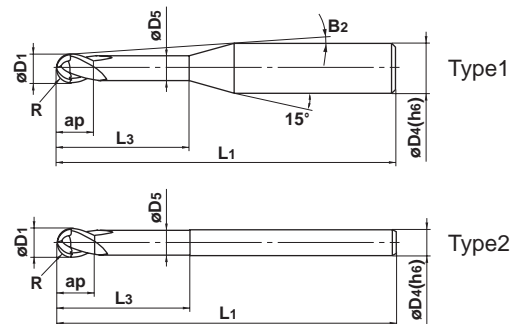
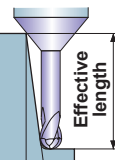


CARBIDE

| Carbon Steel, Alloy Steel, Cast Iron (≤30HRC) | Tool Steel, Pre-Hardened Steel, Hardened Steel (≤45HRC) | Hardened Steel (≤55HRC) | Hardened Steel (>55HRC) | Austenitic Stainless Steel | Titanium Alloy, Heat Resistant Alloy | Copper Alloy | Aluminium Alloy |
|--|--|----------------------------|----------------------------|-------------------------------|---|--------------|-----------------|
| ○ | ○ | ○ | | ○ | ○ | | |

Effective length
for inclined angle

Inclined angle



| | | | |
|-----------|--------------|--|--|
| R | 0.1 ≤ R ≤ 3 | | |
| | ±0.005 | | |
| D1 | 0.2 ≤ D1 ≤ 6 | | |
| | 0 - 0.020 | | |
| h6 | 4 ≤ D4 ≤ 6 | | |
| | 0 - 0.005 | | |

● 2 flute long neck ball nose end mill.

Unit : mm

| Order Number | R | D1 | ap | L3 | D5 | B2 | L1 | D4 | Flutes | Stock | Type | Effective length for inclined angle | | | |
|----------------|------|-----|-----|------|------|-------|----|----|--------|-------|------|--|-----|-----|-----|
| | | | | | | | | | | | | 30° | 1° | 2° | 3° |
| MS2XLB0010N005 | 0.1 | 0.2 | 0.2 | 0.5 | 0.17 | 14.1° | 50 | 4 | 2 | ● | 1 | 0.5 | 0.5 | 0.6 | 0.6 |
| R0010N005S06 | 0.1 | 0.2 | 0.2 | 0.5 | 0.17 | 14.4° | 50 | 6 | 2 | ● | 1 | 0.5 | 0.5 | 0.6 | 0.6 |
| R0010N008S06 | 0.1 | 0.2 | 0.2 | 0.8 | 0.17 | 14.1° | 50 | 6 | 2 | ● | 1 | 0.8 | 0.8 | 0.9 | 1 |
| R0010N010 | 0.1 | 0.2 | 0.2 | 1 | 0.17 | 13.3° | 50 | 4 | 2 | ● | 1 | 1 | 1.1 | 1.2 | 1.3 |
| R0010N010S06 | 0.1 | 0.2 | 0.2 | 1 | 0.17 | 13.8° | 50 | 6 | 2 | ● | 1 | 1 | 1.1 | 1.2 | 1.3 |
| R0010N013 | 0.1 | 0.2 | 0.2 | 1.25 | 0.17 | 12.9° | 50 | 4 | 2 | ● | 1 | 1.3 | 1.3 | 1.5 | 1.6 |
| R0010N013S06 | 0.1 | 0.2 | 0.2 | 1.25 | 0.17 | 13.6° | 50 | 6 | 2 | ● | 1 | 1.3 | 1.3 | 1.5 | 1.6 |
| R0010N015 | 0.1 | 0.2 | 0.2 | 1.5 | 0.17 | 12.5° | 50 | 4 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.9 |
| R0010N015S06 | 0.1 | 0.2 | 0.2 | 1.5 | 0.17 | 13.3° | 50 | 6 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.9 |
| R0010N018 | 0.1 | 0.2 | 0.2 | 1.75 | 0.17 | 12.2° | 50 | 4 | 2 | ● | 1 | 1.8 | 1.9 | 2 | 2.2 |
| R0010N018S06 | 0.1 | 0.2 | 0.2 | 1.75 | 0.17 | 13.1° | 50 | 6 | 2 | ● | 1 | 1.8 | 1.9 | 2 | 2.2 |
| R0010N020 | 0.1 | 0.2 | 0.2 | 2 | 0.17 | 11.9° | 50 | 4 | 2 | ● | 1 | 2.1 | 2.2 | 2.3 | 2.5 |
| R0010N020S06 | 0.1 | 0.2 | 0.2 | 2 | 0.17 | 12.8° | 50 | 6 | 2 | ● | 1 | 2.1 | 2.2 | 2.3 | 2.5 |
| R0010N025 | 0.1 | 0.2 | 0.2 | 2.5 | 0.17 | 11.3° | 50 | 4 | 2 | ● | 1 | 2.6 | 2.7 | 2.9 | 3.1 |
| R0010N030 | 0.1 | 0.2 | 0.2 | 3 | 0.17 | 10.7° | 50 | 4 | 2 | ● | 1 | 3.1 | 3.2 | 3.5 | 3.7 |
| R0015N008S06 | 0.15 | 0.3 | 0.3 | 0.8 | 0.27 | 14.1° | 50 | 6 | 2 | ● | 1 | 0.8 | 0.8 | 0.9 | 1 |
| R0015N010 | 0.15 | 0.3 | 0.3 | 1 | 0.27 | 13.3° | 50 | 4 | 2 | ● | 1 | 1 | 1.1 | 1.2 | 1.3 |
| R0015N010S06 | 0.15 | 0.3 | 0.3 | 1 | 0.27 | 13.9° | 50 | 6 | 2 | ● | 1 | 1 | 1.1 | 1.2 | 1.3 |
| R0015N012S06 | 0.15 | 0.3 | 0.3 | 1.2 | 0.27 | 13.7° | 50 | 6 | 2 | ● | 1 | 1.2 | 1.3 | 1.4 | 1.5 |
| R0015N015 | 0.15 | 0.3 | 0.3 | 1.5 | 0.27 | 12.5° | 50 | 4 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.9 |
| R0015N015S06 | 0.15 | 0.3 | 0.3 | 1.5 | 0.27 | 13.3° | 50 | 6 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.9 |
| R0015N020 | 0.15 | 0.3 | 0.3 | 2 | 0.27 | 11.9° | 50 | 4 | 2 | ● | 1 | 2.1 | 2.2 | 2.3 | 2.5 |
| R0015N020S06 | 0.15 | 0.3 | 0.3 | 2 | 0.27 | 12.8° | 50 | 6 | 2 | ● | 1 | 2.1 | 2.2 | 2.3 | 2.5 |
| R0015N025 | 0.15 | 0.3 | 0.3 | 2.5 | 0.27 | 11.2° | 50 | 4 | 2 | ● | 1 | 2.6 | 2.7 | 2.9 | 3.1 |
| R0015N030 | 0.15 | 0.3 | 0.3 | 3 | 0.27 | 10.7° | 50 | 4 | 2 | ● | 1 | 3.1 | 3.2 | 3.5 | 3.7 |
| R0015N040 | 0.15 | 0.3 | 0.3 | 4 | 0.27 | 9.7° | 50 | 4 | 2 | ● | 1 | 4.2 | 4.3 | 4.6 | 5 |
| R0020N010 | 0.2 | 0.4 | 0.4 | 1 | 0.36 | 13.4° | 50 | 4 | 2 | ● | 1 | 1 | 1 | 1.1 | 1.2 |
| R0020N010S06 | 0.2 | 0.4 | 0.4 | 1 | 0.36 | 13.9° | 50 | 6 | 2 | ● | 1 | 1 | 1 | 1.1 | 1.2 |
| R0020N012S06 | 0.2 | 0.4 | 0.4 | 1.2 | 0.36 | 13.7° | 50 | 6 | 2 | ● | 1 | 1.2 | 1.3 | 1.4 | 1.5 |
| R0020N015 | 0.2 | 0.4 | 0.4 | 1.5 | 0.36 | 12.6° | 50 | 4 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.8 |
| R0020N015S06 | 0.2 | 0.4 | 0.4 | 1.5 | 0.36 | 13.4° | 50 | 6 | 2 | ● | 1 | 1.5 | 1.6 | 1.7 | 1.8 |
| R0020N020 | 0.2 | 0.4 | 0.4 | 2 | 0.36 | 11.9° | 50 | 4 | 2 | ● | 1 | 2 | 2.1 | 2.3 | 2.5 |
| R0020N020S06 | 0.2 | 0.4 | 0.4 | 2 | 0.36 | 12.8° | 50 | 6 | 2 | ● | 1 | 2 | 2.1 | 2.3 | 2.5 |
| R0020N025 | 0.2 | 0.4 | 0.4 | 2.5 | 0.36 | 11.2° | 50 | 4 | 2 | ● | 1 | 2.6 | 2.7 | 2.9 | 3.1 |

● : Inventory maintained.

SQUARE

BALL

RADIUS

TAPER

SOLID END MILLS