**Carbide Inserts for Small Parts**

**Standing standard stock**

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| **Carbide Inserts for Miniature** |
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| **No.** | **Reference Photo** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCMT060202-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 2 | CCMT060204-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 3 |  | CCMT09T302-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 4 | CCMT09T304-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 5 | CCMT09T308-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 6 |  | DCMT070202-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 7 | DCMT070204-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 8 | DCMT070208-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 9 |  | DCMT070204-MV | MS3050 | Carbide | PVD | Steel, S.S |
| 10 |  | SCMT09T304-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 11 | SCMT09T308-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 12 |  | TBMT060102-DP | MS3050 | Carbide | PVD | Steel, S.S |
| 13 | TBMT060104-DP | MS3050 | Carbide | PVD | Steel, S.S |
| 14 |  | TCMT090204-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 15 | TCMT090208-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 16 |  | TCMT110202-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 17 | TCMT110204-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 18 | TCMT110208-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 19 |  | TPMT110304-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 20 | TPMT110308-Q1 | MS3050 | Carbide | PVD | Steel, S.S |
| 21 |  | TCMT110202-69 | MS3050 | Carbide | PVD | Steel, S.S |
| 22 | TCMT110204-69 | MS3050 | Carbide | PVD | Steel, S.S |
| 23 | TCMT110208-69 | MS3050 | Carbide | PVD | Steel, S.S |
| 24 |  | VCMT080202-VF | MS3050 | Carbide | PVD | Steel, S.S |
| 25 | VCMT080204-VF | MS3050 | Carbide | PVD | Steel, S.S |
| 26 | VBMT110302-VF | MS3050 | Carbide | PVD | Steel, S.S |
| 27 | VBMT110304-VF | MS3050 | Carbide | PVD | Steel, S.S |
| 28 |  | WBMT060102L-DP | MS3050 | Carbide | PVD | Steel, S.S |
| 29 | WBMT060104L-DP | MS3050 | Carbide | PVD | Steel, S.S |

**Grade: MS3050**

**High Co content and fine WC grain substrate, combine with good thermal stability silicon coating, it has low friction coefficient and good hardness，very suitable for miniatures of steel and stainless steel that has high requirement for surface finish.**

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| **Carbide Inserts for Automatic Lathe Machine** |
| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-pieceMaterials** |
| 1 |  | CCGT060201-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 2 | CCGT060202-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 3 | CCGT060204-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 4 |  | CCGT09T301-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 5 | CCGT09T302-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 6 | CCGT09T304-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 7 |  | DCGT070201-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 8 | DCGT070202-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 9 | DCGT070204-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 10 | DCGT11T301-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 11 | DCGT11T302-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 12 | DCGT11T304-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 13 |  | VBGT110301-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 14 | VBGT110302-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 15 | VBGT110304-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 16 | VCGT110301-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 17 | VCGT110302-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 18 | VCGT110304-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 19 | VBGT160402-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 20 | VBGT160404-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 21 | VCGT160402-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 22 | VCGT160404-YL | MS3015 | Carbide | PVD | Steel, S.S |
| 23 |  | TNGG160401-UL | MS3015 | Carbide | PVD | Steel, S.S |
| 24 | TNGG160402-UL | MS3015 | Carbide | PVD | Steel, S.S |
| 25 | TNGG160404-UL | MS3015 | Carbide | PVD | Steel, S.S |
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**Our company mainly promotes -YL groove type and -UL groove type for steel and stainless steel processing.**

**Grade: MS3015**

**PVD (TiN+TiCN) is suitable for high-precision processing of stainless steel and low carbon steel, with excellent sharpness and solubility.**

**Chip-breaker YL & UL**

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| **Recommended Cutting Parameters** |
| **Chip-breaker** | **Ap** | **F** | **Vc** |
| **YL** | **0.3-2.5** | **0.07-0.25** | **70-150** |
| **UL** | **0.25-2.5** | **0.05-0.15** | **70-15** |