**Carbide Turning Inserts for Steel**

**The following is the standard stock turning tool of our company, which is suitable for roughing, finishing and semi-finishing steel parts.**

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| **Carbide Inserts-JC Series** |
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| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCMT060202-Q1 | TBC2005 | Carbide | CVD | Steel |
| 2 | CCMT060204-Q1 | TBC2005 | Carbide | CVD | Steel |
| 3 | CCMT09T302-Q1 | TBC2005 | Carbide | CVD | Steel |
| 4 | CCMT09T304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 5 | CCMT09T308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 6 |  | DCMT070202-Q1 | TBC2005 | Carbide | CVD | Steel |
| 7 | DCMT070204-Q1 | TBC2005 | Carbide | CVD | Steel |
| 8 | DCMT070208-Q1 | TBC2005 | Carbide | CVD | Steel |
| 9 | DCMT11T302-Q1 | TBC2005 | Carbide | CVD | Steel |
| 10 | DCMT11T304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 11 | DCMT11T308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 12 |  | SCMT09T304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 13 | SCMT09T308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 14 |  | TCMT090204-Q1 | TBC2005 | Carbide | CVD | Steel |
| 15 | TCMT090208-Q1 | TBC2005 | Carbide | CVD | Steel |
| 16 | TCMT110202-Q1 | TBC2005 | Carbide | CVD | Steel |
| 17 | TCMT110204-Q1 | TBC2005 | Carbide | CVD | Steel |
| 18 | TCMT110208-Q1 | TBC2005 | Carbide | CVD | Steel |
| 19 |  | TCMT16T304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 20 | TCMT16T308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 21 |  | TPMT090204-Q1 | TBC2005 | Carbide | CVD | Steel |
| 22 | TPMT110304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 23 | TPMT110308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 24 |  | VBMT110304-Q1 | TBC2005 | Carbide | CVD | Steel |
| 25 | VBMT110308-Q1 | TBC2005 | Carbide | CVD | Steel |
| 26 | VBMT160404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 27 | VBMT160408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 28 |  | CNMG120404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 29 | CNMG120408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 30 | CNMG120412-Q1 | TBC2005 | Carbide | CVD | Steel |
| 31 |  | DNMG150404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 32 | DNMG150408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 33 | DNMG150608-Q1 | TBC2005 | Carbide | CVD | Steel |
| 34 |  | SNMG120404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 35 | SNMG120408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 36 |  | TNMG160404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 37 | TNMG160408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 38 | TNMG160412-Q1 | TBC2005 | Carbide | CVD | Steel |
| 39 |  | VNMG160404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 40 | VNMG160408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 41 |  | WNMG080404-Q1 | TBC2005 | Carbide | CVD | Steel |
| 42 | WNMG080408-Q1 | TBC2005 | Carbide | CVD | Steel |
| 43 | WNMG080412-Q1 | TBC2005 | Carbide | CVD | Steel |
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| **Carbide Inserts-DZ Series** |
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| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-pieceMaterials** |
| 1 |  | CNMG120404-MM | TBC2005 | Carbide | CVD | Steel |
| 2 | CNMG120408-MM | TBC2005 | Carbide | CVD | Steel |
| 3 | CNMG120412-MM | TBC2005 | Carbide | CVD | Steel |
| 4 |  | DNMG150404-MM | TBC2005 | Carbide | CVD | Steel |
| 5 | DNMG150408-MM | TBC2005 | Carbide | CVD | Steel |
| 6 |  | SNMG120404-MM | TBC2005 | Carbide | CVD | Steel |
| 7 | SNMG120408-MM | TBC2005 | Carbide | CVD | Steel |
| 8 |  | TNMG160404-MM | TBC2005 | Carbide | CVD | Steel |
| 9 | TNMG160408-MM | TBC2005 | Carbide | CVD | Steel |
| 10 | TNMG160412-MM | TBC2005 | Carbide | CVD | Steel |
| 11 |  | VNMG160404-MM | TBC2005 | Carbide | CVD | Steel |
| 12 | VNMG160408-MM | TBC2005 | Carbide | CVD | Steel |
| 13 |  | WNMG080404-MM | TBC2005 | Carbide | CVD | Steel |
| 14 | WNMG080408-MM | TBC2005 | Carbide | CVD | Steel |
| 15 | WNMG080412-MM | TBC2005 | Carbide | CVD | Steel |
| 16 |  | TNMG160404R-S | TBC2005 | Carbide | CVD | Steel |
| 17 | TNMG160404L-S | TBC2005 | Carbide | CVD | Steel |
| 18 | TNMG160408R-S | TBC2005 | Carbide | CVD | Steel |
| 19 | TNMG160408L-S | TBC2005 | Carbide | CVD | Steel |
| 20 |  | WNMG080404R-S | TBC2005 | Carbide | CVD | Steel |
| 21 | WNMG080404L-S | TBC2005 | Carbide | CVD | Steel |
| 22 | WNMG080408R-S | TBC2005 | Carbide | CVD | Steel |
| 23 | WNMG080408L-S | TBC2005 | Carbide | CVD | Steel |
| 24 |  | SNMG120404R-S | TBC2005 | Carbide | CVD | Steel |
| 25 | SNMG120404L-S | TBC2005 | Carbide | CVD | Steel |
| 26 | SNMG120408R-S | TBC2005 | Carbide | CVD | Steel |
| 27 | SNMG120408L-S | TBC2005 | Carbide | CVD | Steel |
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**Grade: TBC2005****CVD(MT-TiCN+Al2O3+TiN)****The combination of high strength and high toughness substrate plus MT-TiCN, thick Al2O3 and TiN coating is suitable for semi-finishing of steel parts.** **Carbide Inserts-ST Series** |
| **No.** | **Reference Photo** | **Grade** | **Type** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | TBC2015 | CCMT09T308-PM | Carbide | CVD | Steel |
| 2 | TBC2015 | CCMT09T308-PM | Carbide | CVD | Steel |
| 3 |  | TBC2015 | DCMT11T304-PM | Carbide | CVD | Steel |
| 4 | TBC2015 | DCMT11T308-PM | Carbide | CVD | Steel |
| 5 |  | TBC2015 | DCMT11T304-PF | Carbide | CVD | Steel |
| 6 |  | TBC2015 | VBMT160404-PF | Carbide | CVD | Steel |
| 7 |  | TBC2015 | VBMT160404-PM | Carbide | CVD | Steel |
| 8 | TBC2015 | VBMT160408-PM | Carbide | CVD | Steel |
| 9 |  | TBC2015 | CNMG120404-PF | Carbide | CVD | Steel |
| 10 | TBC2015 | CNMG120408-PF | Carbide | CVD | Steel |
| 11 |  | TBC2015 | CNMG120404-PM | Carbide | CVD | Steel |
| 12 | TBC2015 | CNMG120408-PM | Carbide | CVD | Steel |
| 13 |  | TBC2015 | CNMG160608-PM | Carbide | CVD | Steel |
| 14 | TBC2015 | CNMG160612-PM | Carbide | CVD | Steel |
| 15 | TBC2015 | CNMG190608-PM | Carbide | CVD | Steel |
| 16 |  | TBC2015 | CNMG190612-PR | Carbide | CVD | Steel |
| 17 | TBC2015 | CNMG190616-PR | Carbide | CVD | Steel |
| 18 | TBC2015 | CNMG250924-PR | Carbide | CVD | Steel |
| 19 | TBC2015 | CNMM250924-PR | Carbide | CVD | Steel |
| 20 |  | TBC2015 | CNMG190616-M5 | Carbide | CVD | Steel |
| 21 |  | TBC2015 | CNMG160604-QM | Carbide | CVD | Steel |
| 22 |  | TBC2015 | DNMG150404-PM | Carbide | CVD | Steel |
| 23 | TBC2015 | DNMG150408-PM | Carbide | CVD | Steel |
| 24 | TBC2015 | DNMG150604-PM | Carbide | CVD | Steel |
| 25 | TBC2015 | DNMG150608-PM | Carbide | CVD | Steel |
| 26 | TBC2015 | DNMG150612-PM | Carbide | CVD | Steel |
| 27 |  | TBC2015 | SNMG190612-PR | Carbide | CVD | Steel |
| 28 | TBC2015 | SNMG190616-PR | Carbide | CVD | Steel |
| 29 | TBC2015 | SNMM190612-PR | Carbide | CVD | Steel |
| 30 |  | TBC2015 | SNMG250724-PR | Carbide | CVD | Steel |
| 31 | TBC2015 | SNMG250924-PR | Carbide | CVD | Steel |
| 32 |  | TBC2015 | TNMG160404-PM | Carbide | CVD | Steel |
| 33 | TBC2015 | TNMG160408-PM | Carbide | CVD | Steel |
| 34 | TBC2016 | TNMG220404-PM | Carbide | CVD | Steel |
| 35 | TBC2015 | TNMG220408-PM | Carbide | CVD | Steel |
| 36 |  | TBC2015 | TNMM270612-PR | Carbide | CVD | Steel |
| 37 |  | TBC2015 | VNMG160408-PM | Carbide | CVD | Steel |
| 38 |  | TBC2015 | WNMG080404-PM | Carbide | CVD | Steel |
| 39 | TBC2015 | WNMG080408-PM | Carbide | CVD | Steel |

**Grade TBC2005 is a combination of high strength and high toughness substrate plus MT-TiCN, thick Al2O3 and TiN coating is suitable for semi-finishing of steel parts.**

**Grade TBC2015 is a combination of high wear resistance substrate and CVD coating has strong plastic deformation resistance and edge strength. It is suitable for finishing to semi-finish machining for steel and it is easy to recognize wear.**