1. **Cermet Turning Inserts**

**Standard stock:**

**Turning-SL，Turning-TGK，Turning-JC，Turning-DZ**

**Cermet is uncoated and used for processing steel parts.**

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| **Cermet Inserts-SL Series** |
|
| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCMT060202-TF | T45A | Cermet | Uncoated | Steel |
| 2 | CCMT060204-TF | T45A | Cermet | Uncoated | Steel |
| 3 | CCMT060208-TF | T45A | Cermet | Uncoated | Steel |
| 4 | CCMT09T302-TF | T45A | Cermet | Uncoated | Steel |
| 5 | CCMT09T304-TF | T45A | Cermet | Uncoated | Steel |
| 6 | CCMT09T308-TF | T45A | Cermet | Uncoated | Steel |
| 7 | CCMT120404-TF | T45A | Cermet | Uncoated | Steel |
| 8 | CCMT120408-TF | T45A | Cermet | Uncoated | Steel |
| 9 |  | DCMT070202-TF | T45A | Cermet | Uncoated | Steel |
| 10 | DCMT070204-TF | T45A | Cermet | Uncoated | Steel |
| 11 | DCMT11T304-TF | T45A | Cermet | Uncoated | Steel |
| 12 |  | DCMT11T304-MV | T45A | Cermet | Uncoated | Steel |
| 13 | DCMT11T308-MV | T45A | Cermet | Uncoated | Steel |
| 14 |  | TCMT110202-TF | T45A | Cermet | Uncoated | Steel |
| 15 | TCMT110204-TF | T45A | Cermet | Uncoated | Steel |
| 16 | TCMT110208-TF | T45A | Cermet | Uncoated | Steel |
| 17 | TCMT16T304-TF | T45A | Cermet | Uncoated | Steel |
| 18 | TCMT16T308-TF | T45A | Cermet | Uncoated | Steel |
| 19 |  | VBMT110304-MV | T45A | Cermet | Uncoated | Steel |
| 20 | VBMT160404-MV | T45A | Cermet | Uncoated | Steel |
| 21 | VBMT160408-MV | T45A | Cermet | Uncoated | Steel |
| 22 |  | VCMT110304-GV | T45A | Cermet | Uncoated | Steel |
| 23 | VCMT160404-GV | T45A | Cermet | Uncoated | Steel |
| 24 |  | TNMG160404-TV | T45A | Cermet | Uncoated | Steel |
| 25 | TNMG160408-TV | T45A | Cermet | Uncoated | Steel |
| 26 |  | VNMG160404-GV | T45A | Cermet | Uncoated | Steel |
| 27 | VNMG160408-GV | T45A | Cermet | Uncoated | Steel |
| 28 |  | WNMG080404-TV | T45A | Cermet | Uncoated | Steel |
| 29 | WNMG080408-TV | T45A | Cermet | Uncoated | Steel |
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| **Cermet Inserts-JC Series** |
|
| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCMT060202-Q1 | T45A | Cermet | Uncoated | Steel |
| 2 | CCMT060204-Q1 | T45A | Cermet | Uncoated | Steel |
| 3 |  | CCMT09T302-Q1 | T45A | Cermet | Uncoated | Steel |
| 4 | CCMT09T304-Q1 | T45A | Cermet | Uncoated | Steel |
| 5 | CCMT09T308-Q1 | T45A | Cermet | Uncoated | Steel |
| 9 |  | DCMT070202-Q1 | T45A | Cermet | Uncoated | Steel |
| 10 | DCMT070204-Q1 | T45A | Cermet | Uncoated | Steel |
| 11 | DCMT070208-Q1 | T45A | Cermet | Uncoated | Steel |
| 12 | DCMT11T302-Q1 | T45A | Cermet | Uncoated | Steel |
| 13 | DCMT11T304-Q1 | T45A | Cermet | Uncoated | Steel |
| 14 | DCMT11T308-Q1 | T45A | Cermet | Uncoated | Steel |
| 19 |  | SCMT09T304-Q1 | T45A | Cermet | Uncoated | Steel |
| 20 | SCMT09T308-Q1 | T45A | Cermet | Uncoated | Steel |
| 23 |  | TBMT060102-DP | T45A | Cermet | Uncoated | Steel |
| 24 | TBMT060104-DP | T45A | Cermet | Uncoated | Steel |
| 25 |  | TCMT090204-Q1 | T45A | Cermet | Uncoated | Steel |
| 26 | TCMT090208-Q1 | T45A | Cermet | Uncoated | Steel |
| 27 |  | TCMT110202-Q1 | T45A | Cermet | Uncoated | Steel |
| 28 | TCMT110204-Q1 | T45A | Cermet | Uncoated | Steel |
| 29 | TCMT110208-Q1 | T45A | Cermet | Uncoated | Steel |
| 30 |  | TCMT16T304-Q1 | T45A | Cermet | Uncoated | Steel |
| 31 | TCMT16T308-Q1 | T45A | Cermet | Uncoated | Steel |
| 35 |  | TPMT090204-Q1 | T45A | Cermet | Uncoated | Steel |
| 36 | TPMT110304-Q1 | T45A | Cermet | Uncoated | Steel |
| 37 | TPMT110308-Q1 | T45A | Cermet | Uncoated | Steel |
| 38 |  | VBMT110304-Q1 | T45A | Cermet | Uncoated | Steel |
| 39 | VBMT110308-Q1 | T45A | Cermet | Uncoated | Steel |
| 40 | VBMT160404-Q1 | T45A | Cermet | Uncoated | Steel |
| 41 | VBMT160408-Q1 | T45A | Cermet | Uncoated | Steel |
| 42 |  | VBMT110302-VF | T45A | Cermet | Uncoated | Steel |
| 43 | VBMT110304-VF | T45A | Cermet | Uncoated | Steel |
| 44 | VBMT160402-VF | T45A | Cermet | Uncoated | Steel |
| 45 | VBMT160404-VF | T45A | Cermet | Uncoated | Steel |
| 46 |  | VCMT080202-VF | T45A | Cermet | Uncoated | Steel |
| 47 | VCMT080204-VF | T45A | Cermet | Uncoated | Steel |
| 48 |  | WBMT060102L-DP | T45A | Cermet | Uncoated | Steel |
| 49 | WBMT060104L-DP | T45A | Cermet | Uncoated | Steel |
| 50 |  | CNMG120404-Q1 | T45A | Cermet | Uncoated | Steel |
| 51 | CNMG120408-Q1 | T45A | Cermet | Uncoated | Steel |
| 52 | CNMG120412-Q1 | T45A | Cermet | Uncoated | Steel |
| 53 |  | DNMG150404-Q1 | T45A | Cermet | Uncoated | Steel |
| 54 | 　 | DNMG150408-Q1 | T45A | Cermet | Uncoated | Steel |
| 55 | 　 | DNMG150604-Q1 | T45A | Cermet | Uncoated | Steel |
| 56 | 　 | DNMG150608-Q1 | T45A | Cermet | Uncoated | Steel |
| 57 |  | SNMG120404-Q1 | T45A | Cermet | Uncoated | Steel |
| 58 | 　 | SNMG120408-Q1 | T45A | Cermet | Uncoated | Steel |
| 59 |  | TNMG160404-Q1 | T45A | Cermet | Uncoated | Steel |
| 60 | 　 | TNMG160408-Q1 | T45A | Cermet | Uncoated | Steel |
| 61 | 　 | TNMG160412-Q1 | T45A | Cermet | Uncoated | Steel |
| 62 |  | VNMG160404-Q1 | T45A | Cermet | Uncoated | Steel |
| 63 | 　 | VNMG160408-Q1 | T45A | Cermet | Uncoated | Steel |
| 64 |  | WNMG080404-Q1 | T45A | Cermet | Uncoated | Steel |
| 65 | WNMG080408-Q1 | T45A | Cermet | Uncoated | Steel |
| 66 | WNMG080412-Q1 | T45A | Cermet | Uncoated | Steel |
| **Cermet Inserts-DZ Series** |
|
| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-pieceMaterials** |
| 1 |  | CCMT060202-24 | T45A | Cermet | Uncoated | Steel |
| 2 | CCMT060204-24 | T45A | Cermet | Uncoated | Steel |
| 3 | CCMT060208-24 | T45A | Cermet | Uncoated | Steel |
| 4 | CCMT09T302-24 | T45A | Cermet | Uncoated | Steel |
| 5 | CCMT09T304-24 | T45A | Cermet | Uncoated | Steel |
| 6 | CCMT09T308-24 | T45A | Cermet | Uncoated | Steel |
| 7 |  | CCMT060202-PS | T45A | Cermet | Uncoated | Steel |
| 8 | CCMT060204-PS | T45A | Cermet | Uncoated | Steel |
| 9 | CCMT060208-PS | T45A | Cermet | Uncoated | Steel |
| 10 | CCMT09T302-PS | T45A | Cermet | Uncoated | Steel |
| 11 | CCMT09T304-PS | T45A | Cermet | Uncoated | Steel |
| 12 | CCMT09T308-PS | T45A | Cermet | Uncoated | Steel |
| 13 |  | DCMT070204-24 | T45A | Cermet | Uncoated | Steel |
| 14 |  | DCMT070204-PS | T45A | Cermet | Uncoated | Steel |
| 15 | DCMT070208-PS | T45A | Cermet | Uncoated | Steel |
| 16 | DCMT11T302-PS | T45A | Cermet | Uncoated | Steel |
| 17 | DCMT11T304-PS | T45A | Cermet | Uncoated | Steel |
| 18 | DCMT11T308-PS | T45A | Cermet | Uncoated | Steel |
| 19 |  | SCMT09T304-24 | T45A | Cermet | Uncoated | Steel |
| 20 |  | SCMT090308-PS | T45A | Cermet | Uncoated | Steel |
| 21 | SCMT09T304-PS | T45A | Cermet | Uncoated | Steel |
| 22 |  | TCMT090204-24 | T45A | Cermet | Uncoated | Steel |
| 23 | TCMT110204-24 | T45A | Cermet | Uncoated | Steel |
| 24 | TCMT110202-24 | T45A | Cermet | Uncoated | Steel |
| 25 |  | TCMT110202-PS | T45A | Cermet | Uncoated | Steel |
| 26 | TCMT110204-PS | T45A | Cermet | Uncoated | Steel |
| 27 | TCMT110208-PS | T45A | Cermet | Uncoated | Steel |
| 28 |  | TCMT16T304-PS | T45A | Cermet | Uncoated | Steel |
| 29 | TCMT16T308-PS | T45A | Cermet | Uncoated | Steel |
| 30 |  | TPMT090204-PS | T45A | Cermet | Uncoated | Steel |
| 31 | TPMT110304-PS | T45A | Cermet | Uncoated | Steel |
| 32 | TPMT110308-PS | T45A | Cermet | Uncoated | Steel |
| 33 |  | XVBMT110302-PS | T45A | Cermet | Uncoated | Steel |
| 34 | XVBMT110304-PS | T45A | Cermet | Uncoated | Steel |
| 35 | XVCMT110302-PS | T45A | Cermet | Uncoated | Steel |
| 36 |  | CNMG120404-TS | T45A | Cermet | Uncoated | Steel |
| 37 | CNMG120408-TS | T45A | Cermet | Uncoated | Steel |
| 38 |  | DNMG150404-TS | T45A | Cermet | Uncoated | Steel |
| 39 |  | TNMG160404-TS | T45A | Cermet | Uncoated | Steel |
| 40 | TNMG160408-TS | T45A | Cermet | Uncoated | Steel |
| 41 |  | VNMG160404-TS | T45A | Cermet | Uncoated | Steel |
| 42 | VNMG160408-TS | T45A | Cermet | Uncoated | Steel |
| 43 |  | WNMG080404-TS | T45A | Cermet | Uncoated | Steel |
| 44 | WNMG080408-TS | T45A | Cermet | Uncoated | Steel |
| 45 |  | DNMG150604R-S | T45A | Cermet | Uncoated | Steel |
| 46 | DNMG150608R-S | T45A | Cermet | Uncoated | Steel |
| 47 |  | TNMG160404L-S | T45A | Cermet | Uncoated | Steel |
| 48 | TNMG160404R-S | T45A | Cermet | Uncoated | Steel |
| 49 | TNMG160408L-S | T45A | Cermet | Uncoated | Steel |
| 50 | TNMG160408R-S | T45A | Cermet | Uncoated | Steel |
| 51 |  | WNMG080404L-S | T45A | Cermet | Uncoated | Steel |
| 52 | WNMG080404R-S | T45A | Cermet | Uncoated | Steel |
| 53 | WNMG080408L-S | T45A | Cermet | Uncoated | Steel |
| 54 | WNMG080408R-S | T45A | Cermet | Uncoated | Steel |
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**Grade:**

**T45A (TiCN) based cermet material, with strong crater wear resistance and can withstand certain impact loads, suitable for semi-finish of low-carbon steel, low-alloy steel, gray cast iron, silicon-aluminum alloy and stainless steel.**

**Application: cermet tool is suitable for processing all kinds of steel and cast iron parts of semi-finishing and finishing, when the cutting depth is below 2.5mm, the feed rate per revolution is below 0.25mm/r, the feed rate per tooth is below 0.2mm/tooth, cermet tool has excellent cutting performance.**