1. **Cermet Turning Inserts**

**Standard stock:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cermet Inserts-SL Series** | | | | | | | | | | | | | | | | |
|
| **No.** | | | **Reference Photo** | | | **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 | |
|  | | |  | | |  | |  | | | |  |  | |  | |
| **Cermet Inserts-JC Series** | | | | | | | | | | | | | | | | |
|
| **No.** | | **Reference Photo** | | **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.** | | **Reference Photo** | | | **Type** | | | **Grade** | | **Material** | **Coating** | **Work-piece Materials** | |
| 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 | |
|  | |  | | |  | | |  | |  |  |  | |

**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.**