1. **Cermet Full Ground Inserts**

**All-ground Cermet Inserts, Fine Boring & Fine Turning**

**Turning & boring-SL, Turning & boring-JC, Turning & boring-DZ**

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| **Full-grinded Cermet Inserts-SL Series** | | | | | | |
|
| **No.** | **Reference Photo** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | TPGH080202L-FE | T25A | Cermet | Uncoated | Steel |
| 2 | TPGH080204L-FE | T25A | Cermet | Uncoated | Steel |
| 3 | TPGH090202L-FE | T25A | Cermet | Uncoated | Steel |
| 4 | TPGH090204L-FE | T25A | Cermet | Uncoated | Steel |
| 5 | TPGH110302L-FE | T25A | Cermet | Uncoated | Steel |
| 6 | TPGH110304L-FE | T25A | Cermet | Uncoated | Steel |
| 7 |  | TNGG160402L-FE | T25A | Cermet | Uncoated | Steel |
| 8 | TNGG160402R-FE | T25A | Cermet | Uncoated | Steel |
| 9 | TNGG160404L-FE | T25A | Cermet | Uncoated | Steel |
| 10 | TNGG160404R-FE | T25A | Cermet | Uncoated | Steel |
| 11 |  | TNGG160404R-2G | T25A | Cermet | Uncoated | Steel |
| 12 | TNMG160404R-2G | T25A | Cermet | Uncoated | Steel |
|  |  |  |  |  |  |  |
| **Full-grinded Cermet Inserts-JC Series** | | | | | | |
|
| **No.** | **Reference Photo** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCGT030101L-F | T25A | Cermet | Uncoated | Steel |
| 2 | CCGT030102L-F | T25A | Cermet | Uncoated | Steel |
| 3 | CCGT030104L-F | T25A | Cermet | Uncoated | Steel |
| 4 | CCGT040101L-F | T25A | Cermet | Uncoated | Steel |
| 5 | CCGT040102L-F | T25A | Cermet | Uncoated | Steel |
| 6 | CCGT040104L-F | T25A | Cermet | Uncoated | Steel |
| 7 | CCGT060202L-F | T25A | Cermet | Uncoated | Steel |
| 8 | CCGT060204L-F | T25A | Cermet | Uncoated | Steel |
| 9 |  | CCGT060201EL-U | T25A | Cermet | Uncoated | Steel |
| 10 | CCGT060202EL-U | T25A | Cermet | Uncoated | Steel |
| 11 | CCGT060202ER-U | T25A | Cermet | Uncoated | Steel |
| 12 | CCGT060204EL-U | T25A | Cermet | Uncoated | Steel |
| 13 | CCGT060204ER-U | T25A | Cermet | Uncoated | Steel |
| 14 | CCGT09T301EL-U | T25A | Cermet | Uncoated | Steel |
| 15 | CCGT09T302EL-U | T25A | Cermet | Uncoated | Steel |
| 16 | CCGT09T302ER-U | T25A | Cermet | Uncoated | Steel |
| 17 | CCGT09T304EL-U | T25A | Cermet | Uncoated | Steel |
| 18 | CCGT09T304ER-U | T25A | Cermet | Uncoated | Steel |
| 19 |  | CCGT060202L-H | T25A | Cermet | Uncoated | Steel |
| 20 | CCGT060204L-H | T25A | Cermet | Uncoated | Steel |
| 21 | CCGT09T302L-H | T25A | Cermet | Uncoated | Steel |
| 22 | CCGT09T304L-H | T25A | Cermet | Uncoated | Steel |
| 23 |  | DCGT070202EL-U | T25A | Cermet | Uncoated | Steel |
| 24 | DCGT070202ER-U | T25A | Cermet | Uncoated | Steel |
| 25 | DCGT070204EL-U | T25A | Cermet | Uncoated | Steel |
| 26 | DCGT070204ER-U | T25A | Cermet | Uncoated | Steel |
| 27 | DCGT11T301EL-U | T25A | Cermet | Uncoated | Steel |
| 28 | DCGT11T301ER-U | T25A | Cermet | Uncoated | Steel |
| 29 | DCGT11T302ER-U | T25A | Cermet | Uncoated | Steel |
| 30 | DCGT11T302EL-U | T25A | Cermet | Uncoated | Steel |
| 31 | DCGT11T304EL-U | T25A | Cermet | Uncoated | Steel |
| 32 | DCGT11T304ER-U | T25A | Cermet | Uncoated | Steel |
| 33 | DCGT11T302FL-U | T25A | Cermet | Uncoated | Steel |
| 34 | DCGT11T304FR-U | T25A | Cermet | Uncoated | Steel |
| 35 |  | DCGT11T302R-F | T25A | Cermet | Uncoated | Steel |
| 36 | DCGT11T304R-F | T25A | Cermet | Uncoated | Steel |
| 37 |  | TBGT060101L | T25A | Cermet | Uncoated | Steel |
| 38 | TBGT060102L | T25A | Cermet | Uncoated | Steel |
| 39 | TBGT060104L | T25A | Cermet | Uncoated | Steel |
| 40 | TCGT060102L | T25A | Cermet | Uncoated | Steel |
| 41 | TCGT060104L | T25A | Cermet | Uncoated | Steel |
| 42 | TCGT110202L | T25A | Cermet | Uncoated | Steel |
| 43 | TCGT110204L | T25A | Cermet | Uncoated | Steel |
| 44 | TCGT110202L-L2 | T25A | Cermet | Uncoated | Steel |
| 45 | TCGT110204L-L2 | T25A | Cermet | Uncoated | Steel |
| 46 | TPGH080201L | T25A | Cermet | Uncoated | Steel |
| 47 | TPGH080202L | T25A | Cermet | Uncoated | Steel |
| 48 | TPGH080204L | T25A | Cermet | Uncoated | Steel |
| 49 | TPGH090201L | T25A | Cermet | Uncoated | Steel |
| 50 | TPGH090202L | T25A | Cermet | Uncoated | Steel |
| 51 | TPGH090204L | T25A | Cermet | Uncoated | Steel |
| 52 | TPGH110301L | T25A | Cermet | Uncoated | Steel |
| 53 | TPGH110302L | T25A | Cermet | Uncoated | Steel |
| 54 | TPGH110304L | T25A | Cermet | Uncoated | Steel |
| 55 |  | VBGT110301L-Y | T25A | Cermet | Uncoated | Steel |
| 56 | VBGT110301R-Y | T25A | Cermet | Uncoated | Steel |
| 57 | VBGT110302L-Y | T25A | Cermet | Uncoated | Steel |
| 58 | VBGT110302R-Y | T25A | Cermet | Uncoated | Steel |
| 59 | VBGT110304L-Y | T25A | Cermet | Uncoated | Steel |
| 60 | VBGT110304R-Y | T25A | Cermet | Uncoated | Steel |
| 61 | VBGT160402L-Y | T25A | Cermet | Uncoated | Steel |
| 62 | VBGT160402R-Y | T25A | Cermet | Uncoated | Steel |
| 63 | VBGT160404L-Y | T25A | Cermet | Uncoated | Steel |
| 64 | VBGT160404R-Y | T25A | Cermet | Uncoated | Steel |
| 65 |  | VBGT110302L-H | T25A | Cermet | Uncoated | Steel |
| 66 | VBGT110302R-H | T25A | Cermet | Uncoated | Steel |
| 67 | VBGT110304L-H | T25A | Cermet | Uncoated | Steel |
| 68 | VBGT110304R-H | T25A | Cermet | Uncoated | Steel |
| 69 |  | VBGT110302R-F | T25A | Cermet | Uncoated | Steel |
| 70 | VBGT110304R-F | T25A | Cermet | Uncoated | Steel |
| 71 |  | WBGT060102L-F | T25A | Cermet | Uncoated | Steel |
| 72 | WBGT060104L-F | T25A | Cermet | Uncoated | Steel |
| 73 |  | TNMG160404L-C | T25A | Cermet | Uncoated | Steel |
| 74 | TNMG160404R-C | T25A | Cermet | Uncoated | Steel |
| 75 | TNMG160408L-C | T25A | Cermet | Uncoated | Steel |
| 76 | TNMG160408R-C | T25A | Cermet | Uncoated | Steel |
| 77 |  | TNGG160402L-C | T25A | Cermet | Uncoated | Steel |
| 78 | TNGG160402R-C | T25A | Cermet | Uncoated | Steel |
| 79 | TNGG160404L-C | T25A | Cermet | Uncoated | Steel |
| 80 | TNGG160404R-C | T25A | Cermet | Uncoated | Steel |
| 81 |  | TNGG160402L-S | T25A | Cermet | Uncoated | Steel |
| 82 | TNGG160402R-S | T25A | Cermet | Uncoated | Steel |
| 83 | TNGG160404L-S | T25A | Cermet | Uncoated | Steel |
| 84 | TNGG160404R-S | T25A | Cermet | Uncoated | Steel |
| 85 | TNGG160408L-S | T25A | Cermet | Uncoated | Steel |
| 86 | TNGG160408R-S | T25A | Cermet | Uncoated | Steel |
| 87 |  | TNGG160402L-W | T25A | Cermet | Uncoated | Steel |
| 88 | TNGG160402R-W | T25A | Cermet | Uncoated | Steel |
| 89 | TNGG160404L-W | T25A | Cermet | Uncoated | Steel |
| 90 | TNGG160404R-W | T25A | Cermet | Uncoated | Steel |
| 91 | TNGG160408L-W | T25A | Cermet | Uncoated | Steel |
| 92 | TNGG160408R-W | T25A | Cermet | Uncoated | Steel |

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| **Full-grinded Cermet Inserts-DZ Series** | | | | | | |
|
| **No.** | **Reference Photo** | **Type** | **Grade** | **Material** | **Coating** | **Work-piece Materials** |
| 1 |  | CCGT060202L-W15 | T25A | Cermet | Uncoated | Steel |
| 2 | CCGT060202R-W15 | T25A | Cermet | Uncoated | Steel |
| 3 | CCGT060204L-W15 | T25A | Cermet | Uncoated | Steel |
| 4 | CCGT060204R-W15 | T25A | Cermet | Uncoated | Steel |
| 5 | CCGT09T302L-W20 | T25A | Cermet | Uncoated | Steel |
| 6 | CCGT09T304L-W20 | T25A | Cermet | Uncoated | Steel |
| 7 | CCGT09T308L-W20 | T25A | Cermet | Uncoated | Steel |
| 8 |  | DCGT070202L-W10 | T25A | Cermet | Uncoated | Steel |
| 9 | DCGT070202R-W10 | T25A | Cermet | Uncoated | Steel |
| 10 | DCGT070204L-W10 | T25A | Cermet | Uncoated | Steel |
| 11 | DCGT070204R-W10 | T25A | Cermet | Uncoated | Steel |
| 12 | DCGT11T302L-W15 | T25A | Cermet | Uncoated | Steel |
| 13 | DCGT11T302R-W15 | T25A | Cermet | Uncoated | Steel |
| 14 | DCGT11T304L-W15 | T25A | Cermet | Uncoated | Steel |
| 15 | DCGT11T304R-W15 | T25A | Cermet | Uncoated | Steel |
| 16 |  | DCGT11T301FR-J10 | T25A | Cermet | Uncoated | Steel |
| 17 | DCGT11T302FR-J10 | T25A | Cermet | Uncoated | Steel |
| 18 | DCGT11T304FR-J10 | T25A | Cermet | Uncoated | Steel |
| 19 |  | TCGT110202L-W15 | T25A | Cermet | Uncoated | Steel |
| 20 | TCGT110204L-W15 | T25A | Cermet | Uncoated | Steel |
| 21 | TPGT080204L-W08 | T25A | Cermet | Uncoated | Steel |
| 22 | TPGT090202L-W15 | T25A | Cermet | Uncoated | Steel |
| 23 | TPGT090204L-W15 | T25A | Cermet | Uncoated | Steel |
| 24 | TPGT110202L-W15 | T25A | Cermet | Uncoated | Steel |
| 25 | TPGT110204L-W15 | T25A | Cermet | Uncoated | Steel |
| 26 | TPGT110304L-W15 | T25A | Cermet | Uncoated | Steel |
| 27 |  | WBGT030102L-W08 | T25A | Cermet | Uncoated | Steel |
| 28 | WBGT030104L-W08 | T25A | Cermet | Uncoated | Steel |
| 29 | WBGT060102L-W11 | T25A | Cermet | Uncoated | Steel |
| 30 | WBGT060104L-W11 | T25A | Cermet | Uncoated | Steel |
| 31 | WBGT080202L-W11 | T25A | Cermet | Uncoated | Steel |
| 32 | WBGT080204L-W11 | T25A | Cermet | Uncoated | Steel |
| 33 |  | TNGG160402L-P | T25A | Cermet | Uncoated | Steel |
| 34 | TNGG160402R-P | T25A | Cermet | Uncoated | Steel |
| 35 | TNGG160404L-P | T25A | Cermet | Uncoated | Steel |
| 36 | TNGG160404R-P | T25A | Cermet | Uncoated | Steel |
| 37 | TNGG160408L-P | T25A | Cermet | Uncoated | Steel |
| 38 | TNGG160408R-P | T25A | Cermet | Uncoated | Steel |
| 39 |  | TNGG160402L-W | T25A | Cermet | Uncoated | Steel |
| 40 | TNGG160402R-W | T25A | Cermet | Uncoated | Steel |
| 41 | TNGG160404L-W | T25A | Cermet | Uncoated | Steel |
| 42 | TNGG160404R-W | T25A | Cermet | Uncoated | Steel |
| 43 | TNGG160408L-W | T25A | Cermet | Uncoated | Steel |
| 44 |  | WNMG080404L-CG | T25A | Cermet | Uncoated | Steel |
| 45 | WNMG080404R-CG | T25A | Cermet | Uncoated | Steel |

**Grade: T25A**

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