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| **Carbide Threading Inserts****Standing standard stock**

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| **Carbide Threading Inserts** |
|
| **No.** | **ReferencePhoto** | **Type** | **Grade** | **Material** | **Coating** | **Work-pieceMaterials** |
| 1 |  | 16ER100ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 2 | 16ER125ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 3 | 16ER150ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 4 | 16ER175ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 5 | 16ER200ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 6 | 16ER250ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 7 | 16ER300ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 8 |  | 16IR100ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 9 | 16IR125ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 10 | 16IR150ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 11 | 16IR175ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 12 | 16IR200ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 13 | 16IR250ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 14 | 16IR300ISO-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 15 |  | 16ERA55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 16 |  | 16ERA60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 17 |  | 16ERAG55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 18 | 16ERAG60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 19 |  | 16ERG55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 20 | 16ERG60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 21 |  | 16IRA55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 22 |  | 16IRA60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 23 |  | 16IRAG55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 24 | 16IRAG60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 25 |  | 16IRG55-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 26 | 16IRG60-TLZ | MS3015 | Carbide | PVD | Steel, S.S |
| 27 |  | 16ER100-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 28 | 16ER125-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 29 | 16ER150-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 30 | 16ER175-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 31 | 16ER200-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 32 | 16ER250-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 33 | 16ER300-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 34 |  | 16NR100-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 35 | 16NR125-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 36 | 16NR150-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 37 | 16NR175-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 38 | 16NR200-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 39 | 16NR250-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 40 | 16NR300-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 41 |  | 16ERAG55-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 42 | 16ERAG60-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 43 |  | 16NRAG55-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 44 | 16NRAG60-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 45 |  | 16ER11W-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 46 | 16ER14W-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 47 |  | 16NR11W-69 | MS3030 | Carbide | PVD | Steel, S.S |
| 48 | 16NR14W-69 | MS3030 | Carbide | PVD | Steel, S.S |

**Grade: MS3015** **PVD (TiAlSiN), The versatile substrate combined with the nano -composite multi-layer silicon-containing coating, high hardness, high oxidation resistance, and low friction coefficient, making the cutting smoother. It is suitable for finishing to semi-finishing of various steels and stainless steel.****Grade: MS3030****PVD (AlTiN), High Co content and fine WC grain substrate, combine with PVD AlTiN coating, which has outstanding wear resistance. Suitable for steel and stainless steel drilling.****-TLZ groove type****Grade: MS3015****A PVD material with good stability can reflect the optimal impact resistance and wear resistance when processing steel parts and stainless steel.**

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| **Recommended Cutting Parameters** |
| **Insert Type** | **Ap** | **NAP** | **Vc** |
| **16IR-TLZ** | **0.58-1.73** | **5-12** | **100-150** |
| **16ER-TLZ** | **0.61-1.84** | **5-12** | **100-150** |

**-69 groove type****Grade : MS3030****A PVD (Al TiSiN) composite coating which is suitable for processing stainless steel,** **Un-alloyed steel, hardened steel, cast iron and other materials.**

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| **Recommended Cutting Parameters** |
| **Insert Type** | **Ap** | **NAP** | **Vc** |
| **16IR-69** | **0.29-1.73** | **4-12** | **120-170** |
| **16ER-69** | **0.31-1.84** | **4-12** | **120-170** |

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