

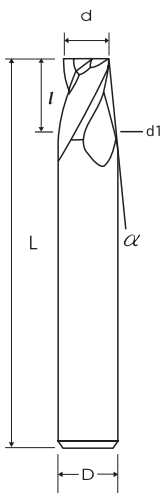
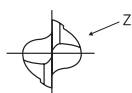


Taper Square - 2 flutes



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



| MODE | Diameter | Flute Length | Full Length | Shank Diameter | α | d1 | Flutes |
|-----------------|----------|--------------|-------------|----------------|-------|------|--------|
| | d | l | L | D | | | Z |
| TTA005005 AlTiN | 0.5 | 2 | 50 | 4 | 30° | 0.53 | 2 |
| TTA005010 AlTiN | 0.5 | 2 | 50 | 4 | 1° | 0.57 | 2 |
| TTA005015 AlTiN | 0.5 | 2 | 50 | 4 | 1°30' | 0.6 | 2 |
| TTA005020 AlTiN | 0.5 | 2 | 50 | 4 | 2° | 0.64 | 2 |
| TTA005025 AlTiN | 0.5 | 2 | 50 | 4 | 2°30' | 0.67 | 2 |
| TTA005030 AlTiN | 0.5 | 2 | 50 | 4 | 3° | 0.71 | 2 |
| TTA005050 AlTiN | 0.5 | 2 | 50 | 4 | 5° | 0.85 | 2 |
| TTA005070 AlTiN | 0.5 | 2 | 50 | 4 | 7° | 0.99 | 2 |
| TTA005100 AlTiN | 0.5 | 2 | 50 | 4 | 10° | 1.21 | 2 |
| TTA010005 AlTiN | 1 | 4 | 50 | 4 | 30° | 1.07 | 2 |
| TTA010010 AlTiN | 1 | 4 | 50 | 4 | 1° | 1.14 | 2 |
| TTA010015 AlTiN | 1 | 4 | 50 | 4 | 1°30' | 1.21 | 2 |
| TTA010020 AlTiN | 1 | 4 | 50 | 4 | 2° | 1.28 | 2 |
| TTA010025 AlTiN | 1 | 4 | 50 | 4 | 2°30' | 1.35 | 2 |
| TTA010030 AlTiN | 1 | 4 | 50 | 4 | 3° | 1.42 | 2 |
| TTA010050 AlTiN | 1 | 4 | 50 | 4 | 5° | 1.7 | 2 |
| TTA010070 AlTiN | 1 | 4 | 50 | 4 | 7° | 1.98 | 2 |
| TTA010100 AlTiN | 1 | 4 | 50 | 4 | 10° | 2.41 | 2 |
| TTA015005 AlTiN | 1.5 | 5 | 50 | 4 | 30° | 1.59 | 2 |
| TTA015010 AlTiN | 1.5 | 5 | 50 | 4 | 1° | 1.67 | 2 |
| TTA015015 AlTiN | 1.5 | 5 | 50 | 4 | 1°30' | 1.76 | 2 |
| TTA015020 AlTiN | 1.5 | 5 | 50 | 4 | 2° | 1.85 | 2 |

Application :

⊙ Recommend

○ Suitable

X Not Recommend

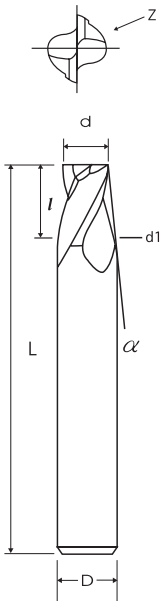
| carbon steel, Alloy steel | Pre-harden steel | High-hardened | | | | | Stainless steel | Copper alloy | Aluminun alloy |
|------------------------------|------------------|---------------|--------|--------|--------|---|-----------------|--------------|----------------|
| | -45HRC | -50HRC | -55HRC | -60HRC | -65HRC | | | | |
| ○ | ⊙ | ⊙ | ○ | | | ○ | | | |

Taper Square - 2 flutes



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



| MODE | Diameter | Flute Length | Full Length | Shank Diameter | α | d1 | Flutes |
|-----------------|----------|--------------|-------------|----------------|-------|------|--------|
| | d | l | L | D | | | Z |
| TTA015025 AITiN | 1.5 | 5 | 50 | 4 | 2°30" | 1.93 | 2 |
| TTA015030 AITiN | 1.5 | 5 | 50 | 4 | 3° | 2.02 | 2 |
| TTA015050 AITiN | 1.5 | 5 | 50 | 4 | 5° | 2.37 | 2 |
| TTA015070 AITiN | 1.5 | 5 | 50 | 4 | 7° | 2.73 | 2 |
| TTA015100 AITiN | 1.5 | 5 | 50 | 4 | 10° | 3.26 | 2 |
| TTA020005 AITiN | 2 | 6 | 50 | 4 | 30" | 2.1 | 2 |
| TTA020010 AITiN | 2 | 6 | 50 | 4 | 1° | 2.21 | 2 |
| TTA020015 AITiN | 2 | 6 | 50 | 4 | 1°30" | 2.31 | 2 |
| TTA020020 AITiN | 2 | 6 | 50 | 4 | 2° | 2.41 | 2 |
| TTA020025 AITiN | 2 | 6 | 50 | 4 | 2°30" | 2.52 | 2 |
| TTA020030 AITiN | 2 | 6 | 50 | 4 | 3° | 2.62 | 2 |
| TTA020050 AITiN | 2 | 6 | 50 | 4 | 5° | 3.05 | 2 |
| TTA020070 AITiN | 2 | 6 | 50 | 4 | 7° | 3.47 | 2 |
| TTA020100 AITiN | 2 | 6 | 50 | 4 | 10° | 4.11 | 2 |
| TTA025005 AITiN | 2.5 | 8 | 50 | 4 | 30" | 2.64 | 2 |
| TTA025010 AITiN | 2.5 | 8 | 50 | 4 | 1° | 2.78 | 2 |
| TTA025015 AITiN | 2.5 | 8 | 50 | 4 | 1°30" | 2.91 | 2 |
| TTA025020 AITiN | 2.5 | 8 | 50 | 4 | 2° | 3.05 | 2 |
| TTA025025 AITiN | 2.5 | 8 | 50 | 4 | 2°30" | 3.2 | 2 |
| TTA025030 AITiN | 2.5 | 8 | 50 | 4 | 3° | 3.33 | 2 |
| TTA025050 AITiN | 2.5 | 8 | 50 | 4 | 5° | 3.9 | 2 |
| TTA025070 AITiN | 2.5 | 8 | 50 | 6 | 7° | 4.46 | 2 |

Application :

◎ Recommend ○ Suitable X Not Recommend

| carbon steel, Alloy steel | Pre-harden steel | High-hardened | | | | | Stainless steel | Copper alloy | Aluminun alloy |
|------------------------------|------------------|---------------|--------|--------|--------|---|-----------------|--------------|----------------|
| | ~45HRC | ~50HRC | ~55HRC | ~60HRC | ~65HRC | | | | |
| ○ | ◎ | ◎ | ○ | | | ○ | | | |