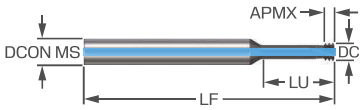
# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

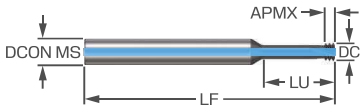
| | | P | M | K | N | S | O | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | X1AH | X1AH | X1AH | X1AH | X1AH | X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
| NEW | T500-XM20AA-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 11.20 | 0.80 | 4.00 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AA-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 13.50 | 1.00 | 4.80 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AA-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 17.90 | 1.25 | 6.40 | 63.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AA-M10 | ● | ● | ● | ● | ● | ● | 10.00 | M 10 | 4.5 | 22.30 | 1.50 | 8.20 | 72.00 | 5 | M (Metric 60°) |
| NEW | T500-XM20AA-M12 | ● | ● | ● | ● | ● | ● | 10.00 | M 12 | 5.3 | 26.70 | 1.75 | 9.75 | 72.00 | 5 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC | ZEFP |
|---|---|---|---|
| h6 | 15.00 | 1 | 4 |

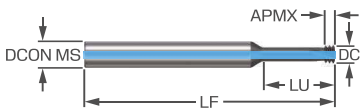
Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM20AA-UNC1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNC 1/4-20 | 3.8 | 14.70 | 20 | 4.85 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AA-UNC5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNC 5/16-18 | 4.2 | 18.10 | 18 | 6.20 | 63.00 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

Nominal threading depth 2xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

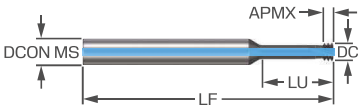
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM20AA-UNF1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNF 1/4-28 | 2.7 | 14.10 | 28 | 5.25 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AA-UNF3/8 | ● | ● | ● | ● | ● | ● | 8.00 | UNF 3/8-24 | 3.2 | 20.70 | 24 | 8.00 | 63.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AA-UNF5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNF 5/16-24 | 3.2 | 17.50 | 24 | 6.55 | 63.00 | 4 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC | ZEFP |
|---|---|---|---|
| h6 | 15.00 | 1 | 4 |

Metric (mm)

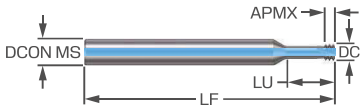
| | | P | M | K | N | S | O | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | X1AH | X1AH | X1AH | X1AH | X1AH | X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
| NEW | T500-XM30AA-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 16.20 | 0.80 | 4.00 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AA-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 19.50 | 1.00 | 4.80 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AA-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 25.88 | 1.25 | 6.40 | 63.00 | M (Metric 60°) |

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# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

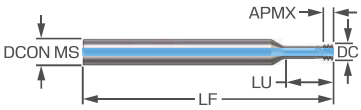
| | | P | M | K | N | S | O | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | XOAH | XOAH | XOAH | XOAH | XOAH | XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
| NEW | T500-XM30AA-MJ4 | ● | ● | ● | ● | ● | ● | 6.00 | MJ 4 | 2.1 | 12.35 | 0.70 | 3.10 | 57.00 | 4 | MJ 60° |
| NEW | T500-XM30AA-MJ5 | ● | ● | ● | ● | ● | ● | 6.00 | MJ 5 | 2.4 | 15.40 | 0.80 | 4.00 | 57.00 | 4 | MJ 60° |
| NEW | T500-XM30AA-MJ6 | ● | ● | ● | ● | ● | ● | 6.00 | MJ 6 | 3.0 | 18.50 | 1.00 | 4.80 | 57.00 | 4 | MJ 60° |
| NEW | T500-XM30AA-MJ8 | ● | ● | ● | ● | ● | ● | 8.00 | MJ 8 | 3.8 | 24.63 | 1.25 | 6.40 | 63.00 | 4 | MJ 60° |
| NEW | T500-XM30AA-MJ10 | ● | ● | ● | ● | ● | ● | 10.00 | MJ 10 | 4.5 | 30.75 | 1.50 | 8.20 | 72.00 | 5 | MJ 60° |

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# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

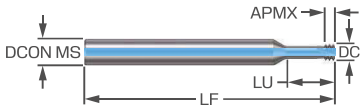
| | | P | M | K | N | S | O | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | X0AH | X0AH | X0AH | X0AH | X0AH | X0AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
| NEW | T500-XM30AA-UNJC1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNJC 1/4-20 | 3.8 | 19.68 | 20 | 4.85 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJC10 | ● | ● | ● | ● | ● | ● | 6.00 | UNJC #10-24 | 3.2 | 15.01 | 24 | 3.55 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJC8 | ● | ● | ● | ● | ● | ● | 6.00 | UNJC #8-32 | 2.4 | 12.89 | 32 | 3.25 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJC3/8 | ● | ● | ● | ● | ● | ● | 8.00 | UNJC 3/8-16 | 4.8 | 29.37 | 16 | 7.55 | 68.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJC5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNJC 5/16-18 | 4.2 | 24.52 | 18 | 6.20 | 63.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJC7/16 | ● | ● | ● | ● | ● | ● | 10.00 | UNJC 7/16-14 | 5.4 | 34.24 | 14 | 8.90 | 79.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJC1/2 | ● | ● | ● | ● | ● | ● | 12.00 | UNJC 1/2-13 | 5.9 | 39.08 | 13 | 10.25 | 90.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJC9/16 | ● | ● | ● | ● | ● | ● | 12.00 | UNJC 9/16-12 | 6.4 | 43.92 | 12 | 11.60 | 92.00 | 5 | UNJ 60° |

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# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

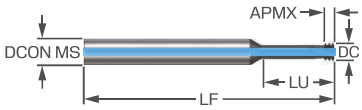
| | Ordering code | XOAH | XOAH | XOAH | XOAH | XOAH | XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P | M | K | N | S | O | | | | | | | | | |
| NEW | T500-XM30AA-UNJF1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNJF 1/4-28 | 2.7 | 19.50 | 28 | 5.25 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJF10 | ● | ● | ● | ● | ● | ● | 6.00 | UNJF #10-32 | 2.4 | 14.88 | 32 | 3.85 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJF8 | ● | ● | ● | ● | ● | ● | 6.00 | UNJF #8-36 | 2.1 | 12.85 | 36 | 3.25 | 57.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJF5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNJF 5/16-24 | 3.2 | 24.34 | 24 | 6.55 | 63.00 | 4 | UNJ 60° |
| NEW | T500-XM30AA-UNJF3/8 | ● | ● | ● | ● | ● | ● | 10.00 | UNJF 3/8-24 | 3.2 | 29.10 | 24 | 8.20 | 72.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJF7/16 | ● | ● | ● | ● | ● | ● | 10.00 | UNJF 7/16-20 | 3.8 | 33.97 | 20 | 9.40 | 77.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJF1/2 | ● | ● | ● | ● | ● | ● | 12.00 | UNJF 1/2-20 | 3.8 | 38.74 | 20 | 11.00 | 87.00 | 5 | UNJ 60° |
| NEW | T500-XM30AA-UNJF9/16 | ● | ● | ● | ● | ● | ● | 12.00 | UNJF 9/16-18 | 4.2 | 43.57 | 18 | 12.00 | 91.00 | 5 | UNJ 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 4xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC | ZEFP |
|---|---|---|---|
| h6 | 15.00 | 1 | 4 |

Metric (mm)

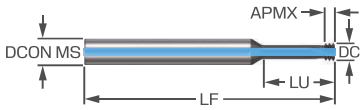
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM40AA-M3 | ● | ● | ● | ● | ● | ● | 4.00 | M 3 | 1.0 | 12.25 | 0.50 | 2.30 | 44.00 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

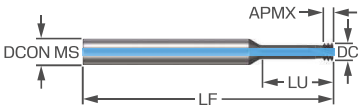
| | | P | M | K | N | S | O | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | X1AH | X1AH | X1AH | X1AH | X1AH | X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
| NEW | T500-XD30AA-M4 | ● | ● | ● | ● | ● | ● | 6.00 | M 4 | 2.1 | 13.05 | 0.70 | 3.10 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XD30AA-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 16.20 | 0.80 | 4.00 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XD30AA-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 19.50 | 1.00 | 4.80 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XD30AA-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 25.88 | 1.25 | 6.40 | 63.00 | 4 | M (Metric 60°) |
| NEW | T500-XD30AA-M10 | ● | ● | ● | ● | ● | ● | 10.00 | M 10 | 4.5 | 30.75 | 1.50 | 8.20 | 72.00 | 5 | M (Metric 60°) |
| NEW | T500-XD30AA-M12 | ● | ● | ● | ● | ● | ● | 10.00 | M 12 | 5.25 | 36.88 | 1.75 | 9.75 | 80.00 | 5 | M (Metric 60°) |
| NEW | T500-XD30AA-M14 | ● | ● | ● | ● | ● | ● | 12.00 | M 14 | 6.0 | 43.00 | 2.00 | 11.40 | 92.00 | 5 | M (Metric 60°) |
| NEW | T500-XD30AA-M16 | ● | ● | ● | ● | ● | ● | 16.00 | M 16 | 6.0 | 49.00 | 2.00 | 13.30 | 102.00 | 6 | M (Metric 60°) |
| NEW | T500-XD30AA-M18 | ● | ● | ● | ● | ● | ● | 16.00 | M 18 | 7.5 | 55.25 | 2.50 | 14.75 | 108.00 | 6 | M (Metric 60°) |

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# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

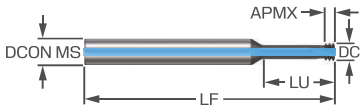
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XD30AA-UNC1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNC 1/4-20 | 3.8 | 20.95 | 20 | 4.85 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC10 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #10-24 | 3.2 | 16.07 | 24 | 3.55 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC8 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #8-32 | 2.4 | 13.69 | 32 | 3.25 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC3/8 | ● | ● | ● | ● | ● | ● | 8.00 | UNC 3/8-16 | 4.8 | 29.37 | 16 | 7.55 | 68.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNC 5/16-18 | 4.2 | 25.95 | 18 | 6.20 | 63.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC1/2 | ● | ● | ● | ● | ● | ● | 12.00 | UNC 1/2-13 | 5.9 | 39.08 | 13 | 10.25 | 89.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC3/4 | ● | ● | ● | ● | ● | ● | 16.00 | UNC 3/4-10 | 7.6 | 58.42 | 10 | 15.70 | 110.00 | 6 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNC5/8 | ● | ● | ● | ● | ● | ● | 16.00 | UNC 5/8-11 | 6.9 | 48.78 | 11 | 12.90 | 103.00 | 5 | UN 60°, UNC 60°, UNF 60° |

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# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

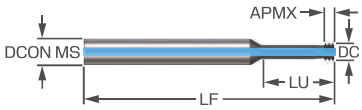
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XD30AA-UNF1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNF 1/4-28 | 2.7 | 20.41 | 28 | 5.25 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF10 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #10-32 | 2.4 | 15.67 | 32 | 3.85 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF8 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #8-36 | 2.1 | 12.85 | 36 | 3.25 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNF 5/16-24 | 3.2 | 25.40 | 24 | 6.55 | 63.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF7/16 | ● | ● | ● | ● | ● | ● | 10.00 | UNF 7/16-20 | 3.8 | 33.98 | 20 | 9.40 | 77.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF9/16 | ● | ● | ● | ● | ● | ● | 12.00 | UNF 9/16-18 | 4.2 | 43.57 | 18 | 12.00 | 91.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XD30AA-UNF3/4 | ● | ● | ● | ● | ● | ● | 18.00 | UNF 3/4-16 | 4.8 | 57.95 | 16 | 16.60 | 110.00 | 6 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 4xD. Internal coolant supply






Common data values

| TCDCON | FHA [deg] | CNSC |
|---|---|---|
| h6 | 15.00 | 1 |

Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XD40AA-M4 | ● | ● | ● | ● | ● | ● | 6.00 | M 4 | 2.1 | 16.35 | 0.70 | 3.10 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XD40AA-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 20.40 | 0.80 | 4.00 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XD40AA-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 24.50 | 1.00 | 4.80 | 65.00 | 4 | M (Metric 60°) |
| NEW | T500-XD40AA-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 32.63 | 1.25 | 6.40 | 72.00 | 4 | M (Metric 60°) |
| NEW | T500-XD40AA-M10 | ● | ● | ● | ● | ● | ● | 10.00 | M 10 | 4.5 | 40.75 | 1.50 | 8.20 | 85.00 | 5 | M (Metric 60°) |
| NEW | T500-XD40AA-M12 | ● | ● | ● | ● | ● | ● | 10.00 | M 12 | 5.3 | 48.88 | 1.75 | 9.75 | 92.00 | 5 | M (Metric 60°) |
| NEW | T500-XD40AA-M16 | ● | ● | ● | ● | ● | ● | 16.00 | M 16 | 6.0 | 65.00 | 2.00 | 13.30 | 115.00 | 6 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. External coolant supply






Common data values

| TCDCON | FHA [deg] |
|---|---|
| h6 | 15.00 |

Metric (mm)

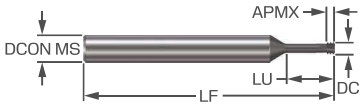
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM20AE-M1.2 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.2 | 0.3 | 2.53 | 0.25 | 0.90 | 38.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M1.4 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.4 | 0.3 | 2.95 | 0.30 | 1.05 | 38.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M1.6 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.6 | 0.7 | 3.73 | 0.35 | 1.20 | 38.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M1.8 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.8 | 0.7 | 3.78 | 0.35 | 1.35 | 38.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M2 | ● | ● | ● | ● | ● | ● | 6.00 | M 2 | 1.2 | 4.60 | 0.40 | 1.55 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M2.2 | ● | ● | ● | ● | ● | ● | 6.00 | M 2.2 | 1.4 | 4.63 | 0.45 | 1.65 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M2.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 2.5 | 1.4 | 5.68 | 0.45 | 1.95 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M3 | ● | ● | ● | ● | ● | ● | 6.00 | M 3 | 1.5 | 6.75 | 0.50 | 2.30 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M3.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 3.5 | 1.8 | 7.30 | 0.60 | 2.70 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M4 | ● | ● | ● | ● | ● | ● | 6.00 | M 4 | 2.1 | 9.05 | 0.70 | 3.10 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M4.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 4.5 | 2.3 | 9.38 | 0.75 | 3.50 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 11.20 | 0.80 | 4.00 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 13.50 | 1.00 | 4.80 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 17.90 | 1.25 | 6.40 | 63.00 | 4 | M (Metric 60°) |
| NEW | T500-XM20AE-M10 | ● | ● | ● | ● | ● | ● | 10.00 | M 10 | 4.5 | 22.30 | 1.50 | 8.20 | 72.00 | 5 | M (Metric 60°) |
| NEW | T500-XM20AE-M12 | ● | ● | ● | ● | ● | ● | 10.00 | M 12 | 5.3 | 26.70 | 1.75 | 9.75 | 72.00 | 5 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM20AE-UNC1 | ● | ● | ● | ● | ● | ● | 3.00 | UNC #1-64 | 0.8 | 3.91 | 64 | 1.40 | 38.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-UNC10 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #10-24 | 3.2 | 11.30 | 24 | 3.55 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-UNC2 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #2-56 | 1.4 | 4.59 | 56 | 1.60 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-UNC4 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #4-40 | 1.9 | 6.70 | 40 | 2.10 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-UNC6 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #6-32 | 2.4 | 8.30 | 32 | 2.60 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-UNC8 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #8-32 | 2.4 | 8.73 | 32 | 3.25 | 57.00 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM20AE-UNF10 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #10-32 | 2.4 | 10.90 | 32 | 3.85 | 57.00 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2xD. External coolant supply






Common data values

| TCDCON |
|---|
| h6 |

Metric (mm)

| | | P | M | K | N | S | O | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ordering code | XOAH | XOAH | XOAH | XOAH | XOAH | XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
| NEW | T500-XM20AE-EGUNF10 | ● | ● | ● | ● | ● | ● | 6.00 | STIUNF #10-32 | 2.4 | 12.12 | 32 | 4.85 | 57.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-EGUNF1/4 | ● | ● | ● | ● | ● | ● | 8.00 | STIUNF 1/4-28 | 2.7 | 15.52 | 28 | 6.30 | 63.00 | 4 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-EGUNF516 | ● | ● | ● | ● | ● | ● | 8.00 | STIUNF 5/16-24 | 3.2 | 19.16 | 24 | 7.85 | 63.00 | 5 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM20AE-EGUNF3/8 | ● | ● | ● | ● | ● | ● | 10.00 | STIUNF 3/8-24 | 3.2 | 22.33 | 24 | 9.35 | 72.00 | 5 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 2.5xD. External coolant supply






Common data values

| TCDCON | FHA [deg] |
|---|---|
| h6 | 15.00 |

Metric (mm)

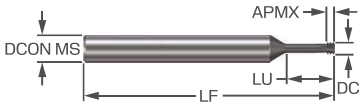
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | ZEFP | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM25AE-MF5X050 | ● | ● | ● | ● | ● | ● | 6.00 | MF 5X0.5 | 1.5 | 12.75 | 0.50 | 4.30 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM25AE-MF6X075 | ● | ● | ● | ● | ● | ● | 6.00 | MF 6X0.75 | 2.3 | 15.38 | 0.75 | 5.00 | 57.00 | 4 | M (Metric 60°) |
| NEW | T500-XM25AE-MF10X100 | ● | ● | ● | ● | ● | ● | 10.00 | MF 10X1 | 3.0 | 25.50 | 1.00 | 8.55 | 72.00 | 5 | M (Metric 60°) |
| NEW | T500-XM25AE-MF10X125 | ● | ● | ● | ● | ● | ● | 10.00 | MF 10X1.25 | 3.8 | 25.63 | 1.25 | 8.35 | 72.00 | 5 | M (Metric 60°) |
| NEW | T500-XM25AE-MF14X100 | ● | ● | ● | ● | ● | ● | 12.00 | MF 14X1 | 3.0 | 35.50 | 1.00 | 12.00 | 83.00 | 5 | M (Metric 60°) |
| NEW | T500-XM25AE-MF14X150 | ● | ● | ● | ● | ● | ● | 12.00 | MF 14X1.5 | 4.5 | 35.75 | 1.50 | 11.90 | 83.00 | 5 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM30AE-M1.2 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.2 | 0.3 | 3.72 | 0.25 | 0.90 | 38.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M1.4 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.4 | 0.3 | 4.35 | 0.30 | 1.05 | 38.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M1.6 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.6 | 0.7 | 5.33 | 0.35 | 1.20 | 38.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M1.8 | ● | ● | ● | ● | ● | ● | 3.00 | M 1.8 | 0.7 | 5.58 | 0.35 | 1.35 | 38.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M2 | ● | ● | ● | ● | ● | ● | 6.00 | M 2 | 1.2 | 6.60 | 0.40 | 1.55 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M2.2 | ● | ● | ● | ● | ● | ● | 6.00 | M 2.2 | 1.4 | 6.83 | 0.45 | 1.65 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M2.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 2.5 | 1.4 | 8.18 | 0.45 | 1.95 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M3 | ● | ● | ● | ● | ● | ● | 6.00 | M 3 | 1.5 | 9.75 | 0.50 | 2.30 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M3.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 3.5 | 1.8 | 10.80 | 0.60 | 2.70 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M4 | ● | ● | ● | ● | ● | ● | 6.00 | M 4 | 2.1 | 13.05 | 0.70 | 3.10 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M4.5 | ● | ● | ● | ● | ● | ● | 6.00 | M 4.5 | 2.3 | 13.88 | 0.75 | 3.50 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M5 | ● | ● | ● | ● | ● | ● | 6.00 | M 5 | 2.4 | 16.20 | 0.80 | 4.00 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M6 | ● | ● | ● | ● | ● | ● | 6.00 | M 6 | 3.0 | 19.50 | 1.00 | 4.80 | 57.00 | M (Metric 60°) |
| NEW | T500-XM30AE-M8 | ● | ● | ● | ● | ● | ● | 8.00 | M 8 | 3.8 | 25.88 | 1.25 | 6.40 | 63.00 | M (Metric 60°) |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

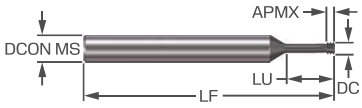
| | Ordering code | P XOAH | M XOAH | K XOAH | N XOAH | S XOAH | O XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TP [mm] | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM30AE-MJ3 | ● | ● | ● | ● | ● | ● | 6.00 | MJ 3 | 1.5 | 9.25 | 0.50 | 2.30 | 57.00 | MJ 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM30AE-UNC1 | ● | ● | ● | ● | ● | ● | 3.00 | UNC #1-64 | 0.8 | 5.76 | 64 | 1.40 | 38.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNC 1/4-20 | 3.8 | 21.00 | 20 | 4.85 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC10 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #10-24 | 3.2 | 16.10 | 24 | 3.55 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC2 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #2-56 | 1.4 | 7.25 | 56 | 1.60 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC3 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #3-48 | 1.6 | 7.81 | 48 | 1.85 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC4 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #4-40 | 1.9 | 9.50 | 40 | 2.10 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC6 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #6-32 | 2.4 | 11.75 | 32 | 2.60 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC8 | ● | ● | ● | ● | ● | ● | 6.00 | UNC #8-32 | 2.4 | 13.70 | 32 | 3.25 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNC5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNC 5/16-18 | 4.2 | 25.95 | 18 | 6.20 | 63.00 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

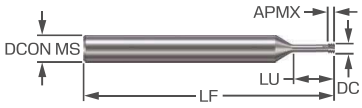
| | Ordering code | P X1AH | M X1AH | K X1AH | N X1AH | S X1AH | O X1AH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW | T500-XM30AE-UNF0 | ● | ● | ● | ● | ● | ● | 3.00 | UNF #0-80 | 0.3 | 4.74 | 80 | 1.15 | 38.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF1 | ● | ● | ● | ● | ● | ● | 3.00 | UNF #1-72 | 0.7 | 5.74 | 72 | 1.40 | 38.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF1/4 | ● | ● | ● | ● | ● | ● | 6.00 | UNF 1/4-28 | 2.7 | 20.45 | 28 | 5.25 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF10 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #10-32 | 2.4 | 15.70 | 32 | 3.85 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF5 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #5-44 | 1.7 | 9.82 | 44 | 2.45 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF6 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #6-40 | 1.9 | 11.50 | 40 | 2.75 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF8 | ● | ● | ● | ● | ● | ● | 6.00 | UNF #8-36 | 2.1 | 12.85 | 36 | 3.25 | 57.00 | UN 60°, UNC 60°, UNF 60° |
| NEW | T500-XM30AE-UNF5/16 | ● | ● | ● | ● | ● | ● | 8.00 | UNF 5/16-24 | 3.2 | 25.40 | 24 | 6.55 | 63.00 | UN 60°, UNC 60°, UNF 60° |

● = First choice ○ = Good choice

# CoroThread® Mill 500, solid carbide end mill for orbital threading

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | XOAH | XOAH | XOAH | XOAH | XOAH | XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P | M | K | N | S | O | | | | | | | | |
| NEW | T500-XM30AE-UNJC4 | ● | ● | ● | ● | ● | ● | 6.00 | UNJC #4-40 | 1.9 | 8.85 | 40 | 2.10 | 57.00 | UNJ 60° |
| NEW | T500-XM30AE-UNJC6 | ● | ● | ● | ● | ● | ● | 6.00 | UNJC #6-32 | 2.4 | 10.91 | 32 | 2.60 | 57.00 | UNJ 60° |

● = First choice ○ = Good choice

Nominal threading depth 3xD. External coolant supply






Common data values

| TCDCON | FHA [deg] | ZEFP |
|---|---|---|
| h6 | 15.00 | 4 |

Metric (mm)

| | Ordering code | XOAH | XOAH | XOAH | XOAH | XOAH | XOAH | $DCON_{MS}$ [mm] | FTDZ | APMX [mm] | LU [mm] | TPI | $DC_1$ [mm] | $LF_1$ [mm] | THFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P | M | K | N | S | O | | | | | | | | |
| NEW | T500-XM30AE-UNJF4 | ● | ● | ● | ● | ● | ● | 6.00 | UNJF #4-48 | 1.6 | 8.80 | 48 | 2.20 | 57.00 | UNJ 60° |
| NEW | T500-XM30AE-UNJF6 | ● | ● | ● | ● | ● | ● | 6.00 | UNJF #6-40 | 1.9 | 10.83 | 40 | 2.75 | 57.00 | UNJ 60° |

● = First choice ○ = Good choice