

Intro

N-RS STI

GP General Purpose Series

Thread Forming Taps for Helical Coil Wire Screw Thread Inserts



FEATURES

Forming tap for blind and through hole application. Specific design for non-ferrous materials. Ni treatment improves tool life.



Recommended Tapping Speeds Depending On Materials

ISO Vc (m/min)

N1 5÷15 H

N2 5÷15 H

N3 5÷15 H

H 1st choice I suitable

ROLL

CARBIDE

LONG

HAND TAPS

EG (STI)

JIS

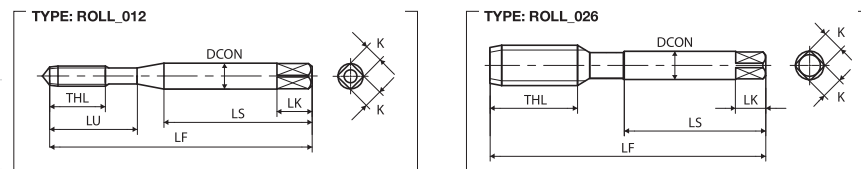
SPECIAL THREADS, GAUGES

THREAD MILLS

DIES

CENTER DRILLS

Technical info



| EG(STI) M | TCTR (tolerance) | Bored Hole Ø (mm) | | Code | THCHT (chamfer) | LF (mm) | THL (mm) | LU (mm) | LS (mm) | DCON (mm) | K (mm) | LK (mm) | NOF (Lobes) | Type | Stock |
|--------------|------------------|-------------------|-------|--------------|-----------------|---------|----------|---------|---------|-----------|--------|---------|-------------|------|-------|
| JIS | | | | | | | | | | | | | | | |
| STI M3X0.5 | G3 | 3.45 | 3.42 | RW3.0G3LENP | 4P | 52 | 7.5 | 17 | 29 | 5 | 4 | 7 | 1(4) | 012 | ○ |
| | G3 | 3.45 | 3.42 | RW3.0G3LENB | 2P | 52 | 7.5 | 17 | 29 | 5 | 4 | 7 | 1(4) | 012 | ○ |
| STI M4X0.7 | G4 | 4.61 | 4.58 | RW4.0I4LENP | 4P | 60 | 13 | 22 | 33 | 5.5 | 4.5 | 7 | 1(4) | 012 | ○ |
| | G4 | 4.61 | 4.58 | RW4.0I4LENB | 2P | 60 | 13 | 22 | 33 | 5.5 | 4.5 | 7 | 1(4) | 012 | ○ |
| STI M5X0.8 | G4 | 5.7 | 5.66 | RW5.0K4LENP | 4P | 62 | 15 | 26 | 33 | 6 | 4.5 | 7 | 1(4) | 012 | ○ |
| | G4 | 5.7 | 5.66 | RW5.0K4LENB | 2P | 62 | 15 | 26 | 33 | 6 | 4.5 | 7 | 1(4) | 012 | ○ |
| STI M6X1 | G4 | 6.9 | 6.85 | RW6.0M4LENP | 4P | 70 | 19 | - | 36 | 6.2 | 5 | 8 | 1(4) | 026 | ○ |
| | G4 | 6.9 | 6.85 | RW6.0M4LENB | 2P | 70 | 19 | - | 36 | 6.2 | 5 | 8 | 1(4) | 026 | ○ |
| STI M8X1.25 | G4 | 9.11 | 9.06 | RW8.0N4LENP | 2P | 75 | 23 | - | 38 | 7 | 5.5 | 8 | 1(6) | 026 | ○ |
| | G4 | 9.11 | 9.06 | RW8.0N4LENB | 4P | 75 | 23 | - | 38 | 7 | 5.5 | 8 | 1(6) | 026 | ○ |
| STI M10X1.5 | G5 | 11.3 | 11.25 | RW10.0SLENP | 2P | 82 | 26 | - | 42 | 8.5 | 6.5 | 9 | 1(6) | 026 | ○ |
| | G5 | 11.3 | 11.25 | RW10.0SLENB | 4P | 82 | 26 | - | 42 | 8.5 | 6.5 | 9 | 1(6) | 026 | ○ |
| STI M12X1.75 | G6 | 13.57 | 13.5 | RW12.0P6LENP | 2P | 95 | 26 | - | 48 | 12.5 | 10 | 13 | 1(6) | 026 | ○ |
| | G6 | 13.57 | 13.5 | RW12.0P6LENB | 4P | 95 | 26 | - | 48 | 12.5 | 10 | 13 | 1(6) | 026 | ○ |

| EG(STI) MF | TCTR (tolerance) | Bored Hole Ø (mm) | | Code | THCHT (chamfer) | LF (mm) | THL (mm) | LU (mm) | LS (mm) | DCON (mm) | K (mm) | LK (mm) | NOF (Lobes) | Type | Stock |
|--------------|------------------|-------------------|-------|--------------|-----------------|---------|----------|---------|---------|-----------|--------|---------|-------------|------|-------|
| JIS | | | | | | | | | | | | | | | |
| STI M10X1.25 | G5 | 11.1 | 11.05 | RW10.0NSLENP | 4P | 82 | 26 | - | 42 | 8.5 | 6.5 | 9 | 1(6) | 026 | ○ |
| | G5 | 11.1 | 11.05 | RW10.0NSLENB | 2P | 82 | 26 | - | 42 | 8.5 | 6.5 | 9 | 1(6) | 026 | ○ |
| STI M12X1.25 | G6 | 13.1 | 13.05 | RW12.0N6LENP | 4P | 88 | 26 | - | 45 | 10.5 | 8 | 11 | 1(6) | 026 | ○ |
| | G6 | 13.1 | 13.05 | RW12.0N6LENB | 2P | 88 | 26 | - | 45 | 10.5 | 8 | 11 | 1(6) | 026 | ○ |
| STI M12X1.5 | G6 | 13.3 | 13.25 | RW12.0G6LENP | 4P | 88 | 26 | - | 45 | 10.5 | 8 | 11 | 1(6) | 026 | ○ |
| | G6 | 13.3 | 13.25 | RW12.0G6LENB | 2P | 88 | 26 | - | 45 | 10.5 | 8 | 11 | 1(6) | 026 | ○ |

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