

# Boring Bar Selection Guide



KENLOC  
KENDEX  
TURNING INSERTS  
SCREW-ON  
TOOL HOLDERS  
BORING BARS  
TURNING HOLDERS  
BORING HEADS  
CARTRIDGES

| Tool Path             | Lead Angle | Clamping Style and Insert Shape | Boring | Back Boring | Profiling | Page       |
|-----------------------|------------|---------------------------------|--------|-------------|-----------|------------|
| <b>0° Lead Angle</b>  |            |                                 |        |             |           |            |
|                       | 0°         | C                               |        |             |           |            |
|                       |            | KENLOC                          | ●      |             |           | A206       |
|                       |            | SCREW-ON                        | ●      | ●           |           | A216, A217 |
|                       |            | SCREW-ON                        | ●      | ●           |           | A218       |
|                       |            | KENCLAMP                        | ●      |             |           | A204       |
|                       |            | T                               |        |             |           |            |
|                       |            | KENLOC                          | ●      |             |           | A208       |
|                       |            | KENCLAMP                        | ●      |             |           | A205       |
|                       |            | KENDEX                          | ●      | ●           |           | A214, A215 |
|                       |            | SCREW-ON                        | ●      | ●           |           | A226, A227 |
|                       |            |                                 | ●      | ●           |           | A228, A229 |
| <b>-3° Lead Angle</b> |            |                                 |        |             |           |            |
|                       | -3°        | D                               |        |             |           |            |
|                       |            | KENLOC                          | ●      | ●           |           | A207       |
|                       |            | KENCLAMP                        | ●      | ●           |           | A205       |
|                       |            | SCREW-ON                        | ●      | ●           |           | A224, A225 |
|                       |            | TNT                             | ●      | ●           |           | A210       |
|                       |            | V                               |        |             |           |            |
|                       |            | KENLOC                          | ●      | ●           |           | A208       |
|                       |            | SCREW-ON                        | ●      | ●           |           | A234       |
|                       |            | T                               |        |             |           |            |
|                       |            | KENLOC                          | ●      |             |           | A208       |
|                       |            | SCREW-ON                        | ●      |             |           | A233       |
|                       |            | W                               |        |             |           |            |
|                       |            | SCREW-ON                        | ●      | ●           |           | A235       |
| <b>-5° Lead Angle</b> |            |                                 |        |             |           |            |
|                       | -5°        | C                               |        |             |           |            |
|                       |            | KENLOC                          | ●      |             |           | A206, A207 |
|                       |            | KENCLAMP                        | ●      | ●           |           | A204       |
|                       |            | KENDEX                          | ●      | ●           |           | A212, A214 |
|                       |            | SCREW-ON                        | ●      | ●           |           | A218, A219 |
|                       |            |                                 | ●      | ●           |           | A220, A221 |
|                       |            |                                 | ●      | ●           |           | A222, A223 |
|                       |            |                                 | ●      | ●           |           | A234       |
|                       |            | TNT                             | ●      | ●           |           | A210       |

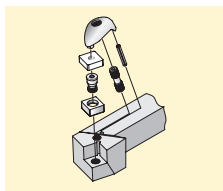
| Tool Path                      | Lead Angle | Clamping Style and Insert Shape | Boring | Back Boring | Profiling | Page       |
|--------------------------------|------------|---------------------------------|--------|-------------|-----------|------------|
|                                | -5°        | T                               |        |             |           |            |
|                                |            | KENDEX                          | ●      |             | ●         | A213, A215 |
|                                |            | SCREW-ON                        | ●      |             | ●         | A229, A230 |
|                                |            |                                 | ●      |             | ●         | A231, A232 |
|                                |            | D                               |        |             |           |            |
|                                |            | SCREW-ON                        |        | ●           |           | A225       |
|                                |            | V                               |        |             |           |            |
|                                |            | SCREW-ON                        | ●      |             | ●         | A233       |
|                                |            | W                               |        |             |           |            |
|                                |            | KENLOC                          | ●      |             |           | A209       |
|                                |            | SCREW-ON                        | ●      |             | ●         | A234, A235 |
|                                |            | TNT                             | ●      |             | ●         | A211       |
| <b>7° Lead Angle</b>           |            |                                 |        |             |           |            |
|                                | 7°         | C                               |        |             |           |            |
|                                |            | SCREW-ON                        | ●      |             | ●         | A219       |
| <b>-10 Degree Lead Angle</b>   |            |                                 |        |             |           |            |
|                                | -10°       | V                               |        |             |           |            |
|                                |            | SCREW-ON                        | ●      |             | ●         | A234       |
| <b>15° and -15° Lead Angle</b> |            |                                 |        |             |           |            |
|                                | 15°        | C                               |        |             |           |            |
|                                |            | KENLOC                          | ●      |             |           | A206       |
|                                |            | KENCLAMP                        | ●      |             |           | A204       |
|                                |            | S                               |        |             |           |            |
|                                |            | KENLOC                          | ●      |             |           | A208       |
|                                |            | KENCLAMP                        | ●      |             |           | A205       |
|                                |            | KENDEX                          | ●      |             |           | A213, A214 |
|                                |            | TNT                             | ●      |             |           | A211       |
|                                | -15°       | F                               |        |             |           |            |
|                                |            | SCREW-ON                        | ●      |             | ●         | A225       |



| Tool Path                | Lead Angle | Clamping Style and Insert Shape | Boring | Back Boring | Profiling | Page |
|--------------------------|------------|---------------------------------|--------|-------------|-----------|------|
| <b>-17.5° Lead Angle</b> |            |                                 |        |             |           |      |
|                          | -17.5°     | D                               |        |             |           |      |
|                          |            | KENLOC                          | ●      |             | ●         | A207 |
|                          |            | KENCLAMP                        | ●      |             | ●         | A205 |
|                          |            | V                               |        |             |           |      |
|                          |            | SCREW-ON                        | ●      |             | ●         | A233 |
| <b>27.5° Lead Angle</b>  |            |                                 |        |             |           |      |
|                          | 27.5°      | D                               |        |             |           |      |
|                          |            | KENLOC                          | ●      |             | ●         | A207 |
|                          |            | KENCLAMP                        | ●      |             | ●         | A204 |
|                          |            |                                 |        |             |           |      |
| <b>45° Lead Angle</b>    |            |                                 |        |             |           |      |
|                          | 45°        | S                               |        |             |           |      |
|                          |            | TNT                             | ●      |             |           | A211 |

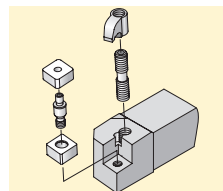
| Tool Path | Lead Angle | Clamping Style and Insert Shape | Boring | Back Boring | Profiling | Page |
|-----------|------------|---------------------------------|--------|-------------|-----------|------|
|           |            | R                               |        |             |           |      |
|           |            | KENDEX                          | ●      |             | ●         | A212 |
|           |            | TNT                             | ●      |             | ●         | A210 |

## Clamping Styles



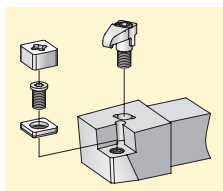
### KENCLAMP Style

- Industry's quickest insert indexing system
- Ensures insert repeatability and seating
- Reduced chatter and improved tool life



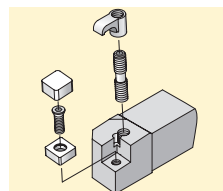
### KENLOC Style

- Suitable for KENLOC inserts
- Lock pin and top clamp provide rigid clamping
- Wide variety of insert styles can be used
- Tools can be used with or without clamp



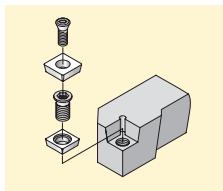
### TOP NOTCH Turning Style

- Proven superior system in holding ceramic inserts rigidly in turning and profiling operations
- Uses standard insert sizes: 80°, 55°, square, and trigon
- This system offers added versatility of using optional hardware to hold standard KENDEX and KENLOC inserts



### KENDEX Style

- Suitable for KENDEX inserts
- Chipbreaker option available for ceramic inserts
- Wide variety of insert styles can be used



### SCREW-ON Style

- Top clamping by screw for SCREW-ON inserts