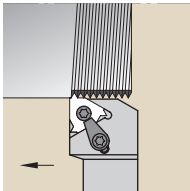
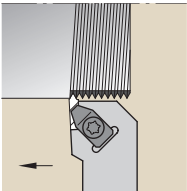
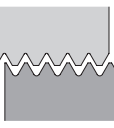
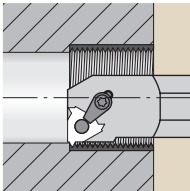
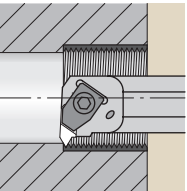
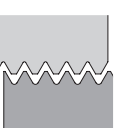


| Application                                                                                                           | LT Laydown Triangle Threading                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TOP NOTCH Threading                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>External Threading</b>                                                                                             | <p>Square Shank Toolholder Sizes:</p> <ul style="list-style-type: none"> <li>inch – .500 - 1.25 inch available</li> <li>metric – 12 mm - 32 mm available</li> </ul> <p>also available in KM and KM Micro quick-change tooling</p>                                                                                                                                                                                                     | <p>Square Shank Toolholder Sizes:</p> <ul style="list-style-type: none"> <li>inch – .375 - 1.5 inch available</li> <li>metric – 10 mm - 32 mm available</li> </ul> <p>also available in KM and KM Micro quick-change tooling</p>                                                                                                                                                                                                                                           |
| <b>Fine Pitch</b><br>                 | <p>Cresting (Full Profile) and Partial Profile<br/>UN maximum TPI of 48<br/>ISO minimum pitch of 0,5 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>chip control in full profile cresting inserts (available to 32 TPI and 0,5 mm pitch)</li> <li>shims allow adjustment of insert inclination for left-handed and small-diameter threads</li> </ul>                                                                                                                                                 | <p>Cresting (Full Profile):<br/>UN maximum TPI of 32<br/>ISO minimum pitch of 1,5 mm</p> <p>Partial Profile – Flat Top (NTF and NTK):<br/>UN maximum TPI of 44<br/>ISO minimum pitch of 0,6 mm</p> <p>Partial Profile – Chip Control (NT-K):<br/>UN maximum TPI of 36<br/>ISO minimum pitch of 0,7 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>simple system does not require shim selection</li> <li>rigid clamping allows fewer passes and ensures reliable performance even on difficult-to-machine materials</li> </ul>              |
| <b>Coarse Pitch/ Heavy Duty</b><br>  | <p>Cresting (Full Profile):<br/>UN minimum TPI of 8<br/>ISO maximum pitch of 5,0 mm</p> <p>Partial Profile:<br/>UN minimum TPI of 5<br/>ISO maximum pitch of 5,0 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>chip control in full profile cresting inserts (available to 8 TPI and 3,0 mm pitch)</li> <li>shims allow adjustment of insert inclination for left-handed and coarse-pitch or multi-start threads</li> </ul>                                                                         | <p>Cresting (Full Profile):<br/>UN minimum TPI of 7<br/>ISO maximum pitch of 3,0 mm</p> <p>Partial Profile – Flat Top and Chip Control (NT-C and NT-CK):<br/>UN minimum TPI of 4.5<br/>ISO maximum pitch of 5,5 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>simple system does not require shim selection</li> <li>rigid clamping allows fewer passes and ensures reliable performance even on difficult-to-machine materials</li> <li>ideal for heavy-duty forms like Acme, American Buttress, API, and multitooth threading</li> </ul> |
| <b>Internal Threading</b>                                                                                             | <p>Boring Bar Diameters:</p> <ul style="list-style-type: none"> <li>inch – .375 - 1.25 inch</li> <li>metric – 12 mm - 32 mm</li> <li>steel and carbide</li> <li>min. bore – .500 inch (13 mm)</li> </ul> <p>Boring Head Sizes:</p> <ul style="list-style-type: none"> <li>inch – 1.0 - 2.0 inch</li> <li>metric – 40 mm - 50 mm</li> <li>min. bore – 1.20 inch (45 mm)</li> </ul>  <p>also available in KM quick-change tooling</p> | <p>Boring Bar Diameters:</p> <ul style="list-style-type: none"> <li>inch – .312 - 2.5 inch</li> <li>metric – 7,9 mm - 50 mm</li> <li>steel, carbide, and heavy metal (inch only)</li> <li>min. bore – .440 inch (11,5 mm)</li> </ul> <p>Boring Head Sizes:</p> <ul style="list-style-type: none"> <li>inch – 1.25 - 2.5 inch</li> <li>metric – 32 mm - 60 mm</li> <li>min. bore – 1.75 inch (44 mm)</li> </ul>  <p>also available in KM quick-change tooling</p>         |
| <b>Fine Pitch</b><br>               | <p>Cresting (Full Profile) and Partial Profile<br/>UN maximum TPI of 48<br/>ISO minimum pitch of 0,5 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>chip control in full profile cresting inserts (available to 36 TPI and 0,5 mm pitch)</li> <li>shims allow adjustment of insert inclination for left-handed and small-diameter threads on boring bars larger than .625 inch (16 mm)</li> </ul>                                                                                                    | <p>Cresting (Full Profile):<br/>UN maximum TPI of 16<br/>ISO minimum pitch of 1,5 mm</p> <p>Partial Profile – Flat Top (NT-1L, NTF and NTK):<br/>UN maximum TPI of 24<br/>ISO minimum pitch of 1,0 mm</p> <p>Partial Profile – Chip Control (NT-K):<br/>UN maximum TPI of 20<br/>ISO minimum pitch of 1,25 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>simple system does not require shim selection</li> <li>rigid clamping allows fewer passes and ensures reliable performance even on difficult-to-machine materials</li> </ul>      |
| <b>Coarse Pitch/ Heavy Duty</b><br> | <p>Cresting (Full Profile):<br/>UN minimum TPI of 8<br/>ISO maximum pitch of 5,0 mm</p> <p>Partial Profile:<br/>UN minimum TPI of 5<br/>ISO maximum pitch of 5,0 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>chip control in full profile cresting inserts (available to 8 TPI and 2,5 mm pitch)</li> <li>shims allow adjustment of insert inclination for left-handed and coarse-pitch or multi-start threads on boring bars larger than .625 inch (16 mm)</li> </ul>                            | <p>Cresting (Full Profile):<br/>UN minimum TPI of 8<br/>ISO maximum pitch of 3,0 mm</p> <p>Partial Profile – Flat Top and Chip Control (NT-C and NT-CK):<br/>UN minimum TPI of 4.5<br/>ISO maximum pitch of 5,5 mm</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>simple system does not require shim selection</li> <li>rigid clamping allows fewer passes and ensures reliable performance even on difficult-to-machine materials</li> <li>ideal for heavy duty forms like Acme, American Buttress, API, and multitooth threading</li> </ul> |