# Sealing Rings Tolerance Table

## Single Wound

<table>
<thead>
<tr>
<th>Bore/Shaft Dimension (mm)</th>
<th>ISO Shaft</th>
<th>ISO Bore</th>
<th>RB</th>
<th>RD</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 - 104.9</td>
<td>h6 - h7</td>
<td>H6 - H7</td>
<td>+0.1 / -0.1</td>
<td>+0.04 / -0.02</td>
</tr>
<tr>
<td>105 - 149.9</td>
<td>h7 - h8</td>
<td>H7 - H8</td>
<td>+0.1 / -0.2</td>
<td>+0.05 / -0.03</td>
</tr>
<tr>
<td>150 - 439.9</td>
<td>h8 - h9</td>
<td>H8 - H9</td>
<td>+0.15 / -0.3</td>
<td>+0.06 / -0.04</td>
</tr>
<tr>
<td>440 - 1300</td>
<td>h9 - h10</td>
<td>H9 - H10</td>
<td>+0.2 / -0.4</td>
<td>+0.07 / -0.05</td>
</tr>
</tbody>
</table>

## Double Wound

<table>
<thead>
<tr>
<th>Bore/Shaft Dimension (mm)</th>
<th>ISO Shaft</th>
<th>ISO Bore</th>
<th>RB</th>
<th>RD</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 - 104.9</td>
<td>h6 - h7</td>
<td>H6 - H7</td>
<td>+0.1 / -0.1</td>
<td>+0.08 / -0.04</td>
</tr>
<tr>
<td>105 - 149.9</td>
<td>h7 - h8</td>
<td>H7 - H8</td>
<td>+0.1 / -0.2</td>
<td>+0.1 / -0.06</td>
</tr>
<tr>
<td>150 - 439.9</td>
<td>h8 - h9</td>
<td>H8 - H9</td>
<td>+0.15 / -0.3</td>
<td>+0.12 / -0.08</td>
</tr>
<tr>
<td>440 - 1300</td>
<td>h9 - h10</td>
<td>H9 - H10</td>
<td>+0.2 / -0.4</td>
<td>+0.14 / -0.1</td>
</tr>
</tbody>
</table>

## Axial Movement Considerations

The groove width A* or B* must be widened by twice the axial play if play occurs in the area of the rings. Damage to the rings and the surrounding components may occur if this is not adhered to. It is recommended to use the full groove width tolerances, especially in cases involving thermal expansion.

*See Style Web page for A and B locations.
How to Specify FK3/FK6/FK5 laminar rings

FEY part numbers are a combination of the Series, Style, Bore/Shaft diameter (D), Radial section (RB), Ring thickness (RD), and Ring material. A special part number is assigned to ring sizes that have special features like coatings or surface finishes.

```
Series    Style  Bore/Shaft  Radial  Ring
          AS     Diameter  Section  Thickness
FK3-      [     ]  D / RB x RD
  ASK     D / RB x RD
  ISK     D / RB x RD
```

The following is an example of a FEY Part Number:

```
Style = AS
D = 50
RB = 2.4
RD = 1.45
FEY Part Number: FK3-AS 50/2.4X1.45
```

FEY part numbers are a combination of the Series, Style, Bore/Shaft diameter (D), Radial section (RB), Ring thickness (RD), and Ring material. A special part number is assigned to ring sizes that have special features like coatings or surface finishes.

```
Series    Style  Bore/Shaft  Radial  Ring
          ASD    Diameter  Section  Thickness
FK6-      [     ]  D / RB x RD
  ASKD    D / RB x RD
  ISD     D / RB x RD
  ISKD    D / RB x RD
```

The following is an example of a FEY Part Number:

```
Style = ASD
D = 50
RB = 2.4
RD = 1.45
FEY Part Number: FK6-ASD 50/2.4X1.45
```

FEY FK5 part numbers are a combination of the Series, Style, Bore/Shaft diameter (D), Opposing dimension, Set thickness, and Ring material. A special part number is assigned to ring sizes that have special features like coatings or surface finishes.

```
Sized to the Bore
Series    Style  Bore  Opposing  Set
          AS     D / D-(2xRB) X
          ASK    D / D-(2xRB) X
          ISK    D / D-(2xRB) X
FK5-      [     ]  D / D-(2xRB) X
```

The following is an example of a FEY Part Number:

```
Style = ASKD
D = 150
RB = 6.0
RD = 2.0
FEY Part Number: FK5-ASKD 150/138X6
```

For orders or questions, please call our experts.