

Sealing Rings Tolerance Table

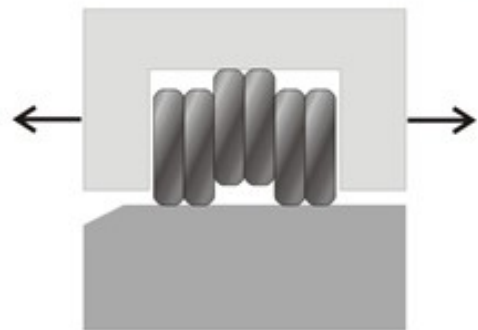
SEALING RINGS					
Single Wound					
FK 3 / FK5	Bore/Shaft Dimension (mm)	Tolerances			
		ISO Shaft	ISO Bore	RB	RD
	15 - 104.9	h6 - h7	H6 - H7	+0.1 / -0.1	+0.04 / -0.02
	105 - 149.9	h7 - h8	H7 - H8	+0.1 / -0.2	+0.05 / -0.03
	150 - 439.9	h8 - h9	H8 - H9	+0.15 / -0.3	+0.06 / -0.04
440 - 1300	h9 - h10	H9 - H10	+0.2 / -0.4	+0.07 / -0.05	
Double Wound					
FK 6 / FK5	Bore/Shaft Dimension (mm)	Tolerances			
		ISO Shaft	ISO Bore	RB	RD
	15 - 104.9	h6 - h7	H6 - H7	+0.1 / -0.1	+0.08 / -0.04
	105 - 149.9	h7 - h8	H7 - H8	+0.1 / -0.2	+0.1/-0.06
	150 - 439.9	h8 - h9	H8 - H9	+0.15 / -0.3	+0.12/-0.08
440 - 1300	h9 - h10	H9 - H10	+0.2 / -0.4	+0.14/-0.1	

Axial Movement Considerations

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 Diameter	Radial Section	Ring Thickness
FK3-	[AS ASK IS 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 Diameter	Radial Section	Ring Thickness
FK6-	[ASD ASKD ISD 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					Sized to the Shaft				
Series	Style	Bore	Opposing Diameter	Set Thickness	Series	Style	Shaft	Opposing Diameter	Set Thickness
FK5-	[AS ASK ASD ASKD]	D	/ D-(2xRB)	X [RDx3 RDx5 RDx2 RDx3]	FK5-	[IS ISK ISD ISKD]	D	/ D+(2xRB)	X [RDx3 RDx5 RDx2 RDx3]

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.