



Inner Ring Tolerance - Metric							
Nominal ID [mm]	Above	2.5	10	18	30	50	80
	Including	10	18	30	50	80	120
$\Delta_{dmp}$ [ $\mu$ m]	Max	0	0	0	0	0	
Average ID tolerance	Min	-3.0	-3.0	-3.0	-5.0	-5.0	
$\Delta_{dis}$ (Bearing Series 60 & 62) [ $\mu$ m]	Max	0	0	0	0	0	
Single ID tolerance	Min	-3.0	-3.0	-3.0	-5.0	-5.0	
$V_{dp\ max}$ (Bearing Series 618 & 619) [ $\mu$ m]	Max	3.0	3.0	3.0	5.0	5.0	
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 60) [ $\mu$ m]	Max	3.0	3.0	3.0	5.0	5.0	
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 62) [ $\mu$ m]	Max	3.0	3.0	3.0	5.0	5.0	
Difference between largest and smallest ID							
$V_{dmp\ max}$ [ $\mu$ m]	Max	2.0	2.0	2.0	3.0	3.0	
Difference between largest average ID and smallest average ID in different planes							
$K_{ia\ max}$ [ $\mu$ m]	Max	2.0	2.0	2.0	2.0	3.0	
Assembled bearing inner ring radial runout							
$S_{d\ max}$ [ $\mu$ m]	Max	3.0	3.0	3.0	4.0	4.0	
Inner ring face runout							
$S_{ia\ max}$ [ $\mu$ m]	Max	3.0	3.0	4.0	4.0	4.0	
Assembled bearing inner ring axial runout							
$\Delta_{BS}$ Single Bearing [ $\mu$ m]	Max	0	0	0	0	0	
Single inner ring width tolerance	Min	-40	-80	-120	-120	-150	
$\Delta_{BS}$ Bearing Pair [ $\mu$ m]	Max	0	0	0	0	0	
Inner ring pair width tolerance	Min	-250	-250	-250	-250	-250	
$V_{BS\ max}$ [ $\mu$ m]	Max	2.0	2.0	2.0	2.0	2.0	
Difference between largest and smallest width							

Inner Ring Tolerance - Imperial							
Nominal ID [inch]	Above	0.0984	0.3937	0.7087	1.1811	1.9685	3.1496
	Including	0.3937	0.7087	1.1811	1.9685	3.1496	4.7244
$\Delta_{dmp}$ [0.0001"]	Max	0	0	0	0	0	
Average ID tolerance	Min	-1.2	-1.2	-1.2	-2.0	-2.0	
$\Delta_{dis}$ (Bearing Series 60 & 62) [0.0001"]	Max	0	0	0	0	0	
Single ID tolerance	Min	-1.2	-1.2	-1.2	-2.0	-2.0	
$V_{dp\ max}$ (Bearing Series 618 & 619) [0.0001"]	Max	1.2	1.2	1.2	2.0	2.0	
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 60) [0.0001"]	Max	1.2	1.2	1.2	2.0	2.0	
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 62) [0.0001"]	Max	1.2	1.2	1.2	2.0	2.0	
Difference between largest and smallest ID							
$V_{dmp\ max}$ [0.0001"]	Max	0.8	0.8	0.8	1.2	1.2	
Difference between largest average ID and smallest average ID in different planes							
$K_{ia\ max}$ [0.0001"]	Max	0.8	0.8	0.8	0.8	1.2	
Assembled bearing inner ring radial runout							
$S_{d\ max}$ [0.0001"]	Max	1.2	1.2	1.2	1.6	1.6	
Inner ring face runout							
$S_{ia\ max}$ [0.0001"]	Max	1.2	1.2	1.6	1.6	1.6	
Assembled bearing inner ring axial runout							
$\Delta_{BS}$ Single Bearing [0.0001"]	Max	0	0	0	0	0	
Single inner ring width tolerance	Min	-15.7	-31.5	-47.2	-47.2	-59.1	
$\Delta_{BS}$ Bearing Pair [0.0001"]	Max	0	0	0	0	0	
Inner ring pair width tolerance	Min	-98.4	-98.4	-98.4	-98.4	-98.4	
$V_{BS\ max}$ [0.0001"]	Max	0.8	0.8	0.8	0.8	0.8	
Difference between largest and smallest width							

Outer Ring Tolerance - Metric								
Nominal OD [mm]	Above	6	18	30	50	80	120	150
	Including	18	30	50	80	120	150	180
$\Delta_{Dmp}$ [ $\mu$ m]	Max	0	0	0	0	0		
Average OD tolerance	Min	-3.0	-3.0	-3.0	-4.0	-4.0		
$\Delta_{Ds}$ (Bearing Series 60 & 62) [ $\mu$ m]	Max	0	0	0	0	0		
Single OD tolerance	Min	-3.0	-3.0	-3.0	-4.0	-4.0		
$V_{Dp\ max}$ (Bearing Series 618 & 619) [ $\mu$ m]	Max	2.0	2.0	2.0	4.0	4.0		
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 60) [ $\mu$ m]	Max	2.0	2.0	2.0	4.0	4.0		
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 62) [ $\mu$ m]	Max	2.0	2.0	2.0	4.0	4.0		
Difference between largest and smallest OD								
$V_{Dmp\ max}$ [ $\mu$ m]	Max	1.0	1.0	1.0	2.0	2.0		
Difference between largest average OD and smallest average OD in different planes								
$K_{ea\ max}$ [ $\mu$ m]	Max	2.0	2.0	2.0	3.0	3.0		
Assembled bearing outer ring radial runout								
$S_{D\ max}$ [ $\mu$ m]	Max	4.0	4.0	4.0	4.0	5.0		
Outer ring face runout								
$S_{ea\ max}$ [ $\mu$ m]	Max	5.0	5.0	5.0	5.0	5.0		
Assembled bearing outer ring axial runout								
$\Delta_{CS}$ Single Bearing [ $\mu$ m]	Max	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
Single outer ring width tolerance	Min	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
$\Delta_{CS}$ Bearing Pair [ $\mu$ m]	Max	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
Outer ring pair width tolerance	Min	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
$V_{CS\ max}$ [ $\mu$ m]	Max	2.0	2.0	2.0	2.0	2.0		
Difference between largest and smallest width								

Outer Ring Tolerance - Imperial								
Nominal OD [Inch]	Above	0.2362	0.7087	1.1811	1.9685	3.1496	4.7244	5.9055
	Including	0.7087	1.1811	1.9685	3.1496	4.7244	5.9055	7.0866
$\Delta_{Dmp}$ [0.0001"]	Max	0	0	0	0	0		
Average OD tolerance	Min	-1.2	-1.2	-1.2	-1.6	-1.6		
$\Delta_{Ds}$ (Bearing Series 60 & 62) [0.0001"]	Max	0	0	0	0	0		
Single OD tolerance	Min	-1.2	-1.2	-1.2	-1.6	-1.6		
$V_{Dp\ max}$ (Bearing Series 618 & 619) [0.0001"]	Max	0.8	0.8	0.8	1.6	1.6		
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 60) [0.0001"]	Max	0.8	0.8	0.8	1.6	1.6		
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 62) [0.0001"]	Max	0.8	0.8	0.8	1.6	1.6		
Difference between largest and smallest OD								
$V_{Dmp\ max}$ [0.0001"]	Max	0.4	0.4	0.4	0.8	0.8		
Difference between largest average OD and smallest average OD in different planes								
$K_{ea\ max}$ [0.0001"]	Max	0.8	0.8	0.8	1.2	1.2		
Assembled bearing outer ring radial runout								
$S_{D\ max}$ [0.0001"]	Max	1.6	1.6	1.6	1.6	2.0		
Outer ring face runout								
$S_{ea\ max}$ [0.0001"]	Max	2.0	2.0	2.0	2.0	2.0		
Assembled bearing outer ring axial runout								
$\Delta_{CS}$ Single Bearing [0.0001"]	Max	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
Single outer ring width tolerance	Min	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
$\Delta_{CS}$ Bearing Pair [0.0001"]	Max	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
Outer ring pair width tolerance	Min	Identical to the $\Delta_{BS}$ of the inner ring of the same bearing						
$V_{CS\ max}$ [0.0001"]	Max	0.8	0.8	0.8	0.8	0.8		
Difference between largest and smallest width								