



Inner Ring Tolerance - Metric							
Nominal ID [mm]	Above	2.5	10	18	30	50	80
	Including	10	18	30	50	80	120
Δ_{dmp} [μm]	Max	0	0	0	0	0	0
Average ID tolerance	Min	-2.5	-2.5	-2.5	-2.5	-4.0	-5.0
Δ_{ds} (Bearing Series 60 & 62) [μm]	Max	0	0	0	0	0	0
Single ID tolerance	Min	-2.5	-2.5	-2.5	-2.5	-4.0	-5.0
$V_{dp \max}$ (Bearing Series 618 & 619) [μm]	Max	2.5	2.5	2.5	2.5	2.5	5.0
Difference between largest and smallest ID							
$V_{dp \max}$ (Bearing Series 60) [μm]	Max	2.5	2.5	2.5	2.5	4.0	5.0
Difference between largest and smallest ID							
$V_{dp \max}$ (Bearing Series 62) [μm]	Max	2.5	2.5	2.5	2.5	4.0	5.0
Difference between largest and smallest ID							
$V_{dmp \max}$ [μm]	Max	1.5	1.5	1.5	1.5	2.0	2.5
Difference between largest average ID and smallest average ID in different planes							
$K_{ia \max}$ [μm]	Max	1.5	1.5	2.5	2.5	2.5	2.5
Assembled bearing inner ring radial runout							
$S_d \max$ [μm]	Max	1.5	1.5	1.5	1.5	1.5	2.5
Inner ring face runout							
$S_{ia \max}$ [μm]	Max	1.5	1.5	2.5	2.5	2.5	2.0
Assembled bearing inner ring axial runout							
Δ_{BS} Single Bearing [μm]	Max	0	0	0	0	0	0
Single inner ring width tolerance	Min	-40	-80	-120	-120	-150	-200
Δ_{BS} Bearing Pair [μm]	Max	0	0	0	0	0	0
Inner ring pair width tolerance	Min	-250	-250	-250	-250	-250	-380
$V_{BS \max}$ [μm]	Max	1.5	1.5	1.5	1.5	1.5	2.5
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
Δ_{dmp} [0.0001"]	Max	0	0	0	0	0	0
Average ID tolerance	Min	-1.0	-1.0	-1.0	-1.0	-1.6	-2.0
Δ_{ds} (Bearing Series 60 & 62) [0.0001"]	Max	0	0	0	0	0	0
Single ID tolerance	Min	-1.0	-1.0	-1.0	-1.0	-1.6	-2.0
$V_{dp \max}$ (Bearing Series 618 & 619) [0.0001"]	Max	1.0	1.0	1.0	1.0	1.0	2.0
Difference between largest and smallest ID							
$V_{dp \max}$ (Bearing Series 60) [0.0001"]	Max	1.0	1.0	1.0	1.0	1.6	2.0
Difference between largest and smallest ID							
$V_{dp \max}$ (Bearing Series 62) [0.0001"]	Max	1.0	1.0	1.0	1.0	1.6	2.0
Difference between largest and smallest ID							
$V_{dmp \max}$ [0.0001"]	Max	0.6	0.6	0.6	0.6	0.8	1.0
Difference between largest average ID and smallest average ID in different planes							
$K_{ia \max}$ [0.0001"]	Max	0.6	0.6	1.0	1.0	1.0	1.0
Assembled bearing inner ring radial runout							
$S_d \max$ [0.0001"]	Max	0.6	0.6	0.6	0.6	0.6	1.0
Inner ring face runout							
$S_{ia \max}$ [0.0001"]	Max	0.6	0.6	1.0	1.0	1.0	0.8
Assembled bearing inner ring axial runout							
Δ_{BS} Single Bearing [0.0001"]	Max	0	0	0	0	0	0
Single inner ring width tolerance	Min	-15.7	-31.5	-47.2	-47.2	-59.1	-78.7
Δ_{BS} Bearing Pair [0.0001"]	Max	0	0	0	0	0	0
Inner ring pair width tolerance	Min	-98.4	-98.4	-98.4	-98.4	-98.4	-149.6
$V_{BS \max}$ [0.0001"]	Max	0.6	0.6	0.6	0.6	0.6	1.0
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
Δ_{dmp} [μm]	Max	0	0	0	0	0	0	0
Average OD tolerance	Min	-2.5	-4.0	-4.0	-4.0	-5.0	-5.0	-7.0
Δ_{Ds} (Bearing Series 60 & 62) [μm]	Max	0	0	0	0	0	0	0
Single OD tolerance	Min	-2.5	-4.0	-4.0	-4.0	-5.0	-5.0	-7.0
$V_{Dp \max}$ (Bearing Series 618 & 619) [μm]	Max	2.5	4.0	4.0	4.0	5.0	5.0	7.0
Difference between largest and smallest OD								
$V_{Dp \max}$ (Bearing Series 60) [μm]	Max	2.5	4.0	4.0	4.0	5.0	5.0	7.0
Difference between largest and smallest OD								
$V_{Dp \max}$ (Bearing Series 62) [μm]	Max	2.5	4.0	4.0	4.0	5.0	5.0	7.0
Difference between largest and smallest OD								
$V_{Dmp \max}$ [μm]	Max	1.5	2.0	2.0	2.0	2.5	2.5	3.5
Difference between largest average OD and smallest average OD in different planes								
$K_{ea \max}$ [μm]	Max	1.5	2.5	2.5	4.0	5.0	5.0	5.0
Assembled bearing outer ring radial runout								
$S_D \max$ [μm]	Max	1.5	1.5	1.5	1.5	2.5	2.5	2.5
Outer ring face runout								
$S_{ea \max}$ [μm]	Max	1.5	2.5	2.5	4.0	5.0	5.0	5.0
Assembled bearing outer ring axial runout								
Δ_{CS} Single Bearing [μm]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Single outer ring width tolerance	Min							
Δ_{CS} Bearing Pair [μm]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Outer ring pair width tolerance	Min							
$V_{CS \max}$ [μm]	Max	1.5	1.5	1.5	1.5	1.5	2.5	2.5
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
Δ_{dmp} [0.0001"]	Max	0	0	0	0	0	0	0
Average OD tolerance	Min	-1.0	-1.6	-1.6	-1.6	-2.0	-2.0	-2.8
Δ_{Ds} (Bearing Series 60 & 62) [0.0001"]	Max	0	0	0	0	0	0	0
Single OD tolerance	Min	-1.0	-1.6	-1.6	-1.6	-2.0	-2.0	-2.8
$V_{Dp \max}$ (Bearing Series 618 & 619) [0.0001"]	Max	1.0	1.6	1.6	1.6	2.0	2.0	2.8
Difference between largest and smallest OD								
$V_{Dp \max}$ (Bearing Series 60) [0.0001"]	Max	1.0	1.6	1.6	1.6	2.0	2.0	2.8
Difference between largest and smallest OD								
$V_{Dp \max}$ (Bearing Series 62) [0.0001"]	Max	1.0	1.6	1.6	1.6	2.0	2.0	2.8
Difference between largest and smallest OD								
$V_{Dmp \max}$ [0.0001"]	Max	0.6	0.8	0.8	0.8	1.0	1.0	1.4
Difference between largest average OD and smallest average OD in different planes								
$K_{ea \max}$ [0.0001"]	Max	0.6	1.0	1.0	1.6	2.0	2.0	2.0
Assembled bearing outer ring radial runout								
$S_D \max$ [0.0001"]	Max	0.6	0.6	0.6	0.6	1.0	1.0	1.0
Outer ring face runout								
$S_{ea \max}$ [0.0001"]	Max	0.6	1.0	1.0	1.6	2.0	2.0	2.0
Assembled bearing outer ring axial runout								
Δ_{CS} Single Bearing [0.0001"]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Single outer ring width tolerance	Min							
Δ_{CS} Bearing Pair [0.0001"]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Outer ring pair width tolerance	Min							
$V_{CS \max}$ [0.0001"]	Max	0.6	0.6	0.6	0.6	0.6	1.0	1.0
Difference between largest and smallest width								