



Inner Ring Tolerance - Metric							
Nominal ID [mm]	Above	2.5	10	18	30	50	80
	Including	10	18	30	50	80	120
Δ_{dmp} [μ m]	Max	0	0	0	0	0	0
Average ID tolerance	Min	-7.0	-7.0	-8.0	-10.0	-12.0	-15.0
Δ_{dis} (Bearing Series 60 & 62) [μ m]	Max						
Single ID tolerance	Min						
$V_{dp\ max}$ (Bearing Series 618 & 619) [μ m]	Max	9.0	9.0	10.0	13.0	15.0	19.0
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 60) [μ m]	Max	7.0	7.0	8.0	10.0	15.0	19.0
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 62) [μ m]	Max	5.0	5.0	6.0	8.0	9.0	11.0
Difference between largest and smallest ID							
$V_{dmp\ max}$ [μ m]	Max	5.0	5.0	6.0	8.0	9.0	11.0
Difference between largest average ID and smallest average ID in different planes							
$K_{ia\ max}$ [μ m]	Max	6.0	7.0	8.0	10.0	10.0	13.0
Assembled bearing inner ring radial runout							
$S_d\ max$ [μ m]	Max						
Inner ring face runout							
$S_{ia\ max}$ [μ m]	Max						
Assembled bearing inner ring axial runout							
Δ_{BS} Single Bearing [μ m]	Max	0	0	0	0	0	0
Single inner ring width tolerance	Min	-120	-120	-120	-120	-150	-200
Δ_{BS} Bearing Pair [μ m]	Max	0	0	0	0	0	0
Inner ring pair width tolerance	Min	-250	-250	-250	-250	-380	-380
$V_{BS\ max}$ [μ m]	Max	15.0	20.0	20.0	20.0	25.0	25.0
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
Δ_{dmp} [0.0001"]	Max	0	0	0	0	0	0
Average ID tolerance	Min	-2.8	-2.8	-3.1	-3.9	-4.7	-5.9
Δ_{dis} (Bearing Series 60 & 62) [0.0001"]	Max						
Single ID tolerance	Min						
$V_{dp\ max}$ (Bearing Series 618 & 619) [0.0001"]	Max	3.5	3.5	3.9	5.1	5.9	7.5
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 60) [0.0001"]	Max	2.8	2.8	3.1	3.9	5.9	7.5
Difference between largest and smallest ID							
$V_{dp\ max}$ (Bearing Series 62) [0.0001"]	Max	2.0	2.0	2.4	3.1	3.5	4.3
Difference between largest and smallest ID							
$V_{dmp\ max}$ [0.0001"]	Max	2.0	2.0	2.4	3.1	3.5	4.3
Difference between largest average ID and smallest average ID in different planes							
$K_{ia\ max}$ [0.0001"]	Max	2.4	2.8	3.1	3.9	3.9	5.1
Assembled bearing inner ring radial runout							
$S_d\ max$ [0.0001"]	Max						
Inner ring face runout							
$S_{ia\ max}$ [0.0001"]	Max						
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	-47.2	-47.2	-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	-149.6	-149.6
$V_{BS\ max}$ [0.0001"]	Max	5.9	7.9	7.9	7.9	9.8	9.8
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
Δ_{Dmp} [μ m]	Max	0	0	0	0	0	0	0
Average OD tolerance	Min	-7.0	-8.0	-9.0	-11.0	-13.0	-15.0	-18.0
Δ_{Ds} (Bearing Series 60 & 62) [μ m]	Max							
Single OD tolerance	Min							
$V_{Dp\ max}$ (Bearing Series 618 & 619) [μ m]	Max	9.0	10.0	11.0	14.0	16.0	19.0	23.0
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 60) [μ m]	Max	7.0	8.0	9.0	11.0	16.0	19.0	23.0
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 62) [μ m]	Max	5.0	6.0	7.0	8.0	10.0	11.0	14.0
Difference between largest and smallest OD								
$V_{Dmp\ max}$ [μ m]	Max	5.0	6.0	7.0	8.0	10.0	11.0	14.0
Difference between largest average OD and smallest average OD in different planes								
$K_{ea\ max}$ [μ m]	Max	8.0	9.0	10.0	13.0	18.0	20.0	23.0
Assembled bearing outer ring radial runout								
$S_D\ max$ [μ m]	Max							
Outer ring face runout								
$S_{ea\ max}$ [μ m]	Max							
Assembled bearing outer ring axial runout								
Δ_{CS} Single Bearing [μ m]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Single outer ring width tolerance	Min	Identical to the Δ_{BS} of the inner ring of the same bearing						
Δ_{CS} Bearing Pair [μ m]	Max	Identical to the Δ_{BS} of the inner ring of the same bearing						
Outer ring pair width tolerance	Min	Identical to the Δ_{BS} of the inner ring of the same bearing						
$V_{CS\ max}$ [μ m]	Max	Identical to the V_{BS} of the inner ring of the same bearing						
Difference between largest and smallest width		Identical to the V_{BS} of the inner ring of the same bearing						

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	-2.8	-3.1	-3.5	-4.3	-5.1	-5.9	-7.1
Δ_{Ds} (Bearing Series 60 & 62) [0.0001"]	Max							
Single OD tolerance	Min							
$V_{Dp\ max}$ (Bearing Series 618 & 619) [0.0001"]	Max	3.5	3.9	4.3	5.5	6.3	7.5	9.1
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 60) [0.0001"]	Max	2.8	3.1	3.5	4.3	6.3	7.5	9.1
Difference between largest and smallest OD								
$V_{Dp\ max}$ (Bearing Series 62) [0.0001"]	Max	2.0	2.4	2.8	3.1	3.9	4.3	5.5
Difference between largest and smallest OD								
$V_{Dmp\ max}$ [0.0001"]	Max	2.0	2.4	2.8	3.1	3.9	4.3	5.5
Difference between largest average OD and smallest average OD in different planes								
$K_{ea\ max}$ [0.0001"]	Max	3.1	3.5	3.9	5.1	7.1	7.9	9.1
Assembled bearing outer ring radial runout								
$S_D\ max$ [0.0001"]	Max							
Outer ring face runout								
$S_{ea\ max}$ [0.0001"]	Max							
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	Identical to the Δ_{BS} of the inner ring of the same bearing						
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	Identical to the Δ_{BS} of the inner ring of the same bearing						
$V_{CS\ max}$ [0.0001"]	Max	Identical to the V_{BS} of the inner ring of the same bearing						
Difference between largest and smallest width		Identical to the V_{BS} of the inner ring of the same bearing						