

# Bishop

## 19" Step

Big Brake Caliper													
High Disk 114.3 / redbill only													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
19x8	13	0	-12	-25									
19x8.5	19	7	-6	-19	-31								
19x9	26	13	0	-12	-25	-38							
19x9.5	32	19	7	-6	-19	-31	-44						
19x10	39	26	13	0	-12	-25	-38	-50					
19x10.5	45	32	19	7	-6	-19	-31	-44	-57				
19x11	51	39	26	13	0	-12	-25	-38	-50	-63			
19x11.5	58	45	32	19	7	-6	-19	-31	-44	-57	-69		
19x12	51	39	26	13	0	-12	-25	-38	-50	-63	-76		
19x12.5													
19x13					13	0	-12	-25	-38	-50	-63	-76	

Small Brake Caliper													
Medium Low Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
19x8	38	25	13	0									
19x8.5	44	32	19	6	-6								
19x9	51	38	25	13	0	-13							
19x9.5	57	44	32	19	6	-6	-19						
19x10	64	51	38	25	13	0	-13	-25					
19x10.5	70	57	44	32	19	6	-6	-19	-32				
19x11	76	64	51	38	25	13	0	-13	-25	-38			
19x11.5	83	70	57	44	32	19	6	-6	-19	-32	-44		
19x12	76	64	51	38	25	13	0	-13	-25	-38	-51		
19x12.5													
19x13													

Normal Brake Caliper													
Medium Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
19x8	26	13	1	-12									
19x8.5	32	20	7	-6	-18								
19x9	39	26	13	1	-12	-25							
19x9.5	45	32	20	7	-6	-18	-31						
19x10	52	39	26	13	1	-12	-25	-37					
19x10.5	58	45	32	20	7	-6	-18	-31	-44				
19x11	64	52	39	26	13	1	-12	-25	-37	-50			
19x11.5	71	58	45	32	20	7	-6	-18	-31	-44	-56		
19x12	64	52	39	26	13	1	-12	-25	-37	-50	-63		
19x12.5													
19x13													

Small Brake Caliper													
Low Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
19x8	48	35	23	10									
19x8.5	54	42	29	16	4								
19x9	61	48	35	23	10	-2							
19x9.5	67	54	42	29	16	4	-9						
19x10	74	61	48	35	23	10	-2	-15					
19x10.5	80	67	54	42	29	16	4	-9	-22				
19x11	86	74	61	48	35	23	10	-2	-15	-28			
19x11.5	93	80	67	54	42	29	16	4	-9	-22	-34		
19x12	86	74	61	48	35	23	10	-2	-15	-28	-41		
19x12.5													
19x13													

## 18" Reverse

Big Brake Caliper													
High Disk 114.3 / redbill only													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	13	0	-12	-25									
18x8.5	19	7	-6	-19	-31								
18x9	26	13	0	-12	-25	-38							
18x9.5	32	19	7	-6	-19	-31	-44						
18x10	39	26	13	0	-12	-25	-38	-50					
18x10.5	45	32	19	7	-6	-19	-31	-44	-57				
18x11	51	39	26	13	0	-12	-25	-38	-50	-63			
18x11.5	58	45	32	19	7	-6	-19	-31	-44	-57	-69		
18x12	51	39	26	13	0	-12	-25	-38	-50	-63	-76		
18x12.5													
18x13													

Small Brake Caliper													
Medium Low Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	38	25	13	0									
18x8.5	44	32	19	6	-6								
18x9	51	38	25	13	0	-13							
18x9.5	57	44	32	19	6	-6	-19						
18x10	64	51	38	25	13	0	-13	-25					
18x10.5	70	57	44	32	19	6	-6	-19	-32				
18x11	76	64	51	38	25	13	0	-13	-25	-38			
18x11.5	83	70	57	44	32	19	6	-6	-19	-32	-44		
18x12	76	64	51	38	25	13	0	-13	-25	-38	-51		
18x12.5													
18x13													

Normal Brake Caliper													
Medium Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	26	13	1	-12									
18x8.5	32	20	7	-6	-18								
18x9	39	26	13	1	-12	-25							
18x9.5	45	32	20	7	-6	-18	-31						
18x10	52	39	26	13	1	-12	-25	-37					
18x10.5	58	45	32	20	7	-6	-18	-31	-44				
18x11	64	52	39	26	13	1	-12	-25	-37	-50			
18x11.5	71	58	45	32	20	7	-6	-18	-31	-44	-56		
18x12	64	52	39	26	13	1	-12	-25	-37	-50	-63		
18x12.5													
18x13													

Small Brake Caliper													
Low Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	48	35	23	10									
18x8.5	54	42	29	16	4								
18x9	61	48	35	23	10	-2							
18x9.5	67	54	42	29	16	4	-9						
18x10	74	61	48	35	23	10	-2	-15					
18x10.5	80	67	54	42	29	16	4	-9	-22				
18x11	86	74	61	48	35	23	10	-2	-15	-28			
18x11.5	93	80	67	54	42	29	16	4	-9	-22	-34		
18x12	86	74	61	48	35	23	10	-2	-15	-28	-41		
18x12.5													
18x13													

## 18" Step

Big Brake Caliper													
High Disk 114.3 / redbill only													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	26	13	1	-12									
18x8.5	32	20	7	-6	-18								
18x9	39	26	13	1	-12	-25							
18x9.5	45	32	20	7	-6	-18	-31						
18x10	52	39	26	13	1	-12	-25	-37					
18x10.5	58	45	32	20	7	-6	-18	-31	-44				
18x11	64	51	38	25	13	1	-12	-25	-37	-50			
18x11.5	71	58	45	32	20	7	-6	-18	-31	-44	-56		
18x12	64	51	38	25	13	1	-12	-25	-37	-50	-63		
18x12.5													
18x13													

Small Brake Caliper													
Low Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	58	45	33	20									
18x8.5	64	52	39	26	14								
18x9	71	58	45	33	20	7							
18x9.5	77	65	52	39	26	14	1						
18x10	84	71	58	45	33	20	7	-5					
18x10.5	77	64	52	39	26	14	1	-12					
18x11	71	58	45	33	20	7	-5	-18					
18x11.5	77	64	52	39	26	14	1	-12	-24				
18x12	71	58	45	33	20	7	-5	-18	-31				
18x12.5													
18x13													

Normal Brake Caliper													
Medium Disk													
Size	2" Lip	2.5" Lip	3" Lip	3.5" Lip	4" Lip	4.5" Lip	5" Lip	5.5" Lip	6" Lip	6.5" Lip	7" Lip	7.5" Lip	8" Lip
18x8	48	35	23	10									
18x8.5	54	42	29	16	4								
18x9	61	48	35	23	10	-3							
18x9.5	67	54	42	29	16	4	-9						
18x10	74	61	48	35	23	10	-3	-15					
18x10.5	67	54	42	29	16	4	-9	-22					
18x11	74	61	48	35	23	10	-3	-15	-28				
18x11.5	67	54	42	29	16	4	-9						