

Dynamic Bicycles vs. Chain Bicycles

Gear Ratios and Gear Inches

Gear Ratios					
Gear	24-speed chain bike* 700C	Runabout 8 700C (2.07 SDS)	Tempo 8 700C (2.07 SDS)	Sprint 8 700C (2.38 SDS)	Sidekick 8 20" Folding (2.38 SDS)
1	0.9				
2	1.1	1.1	1.1		
3	1.3				1.3
4	1.3	1.3	1.3	1.3	
5	1.5				1.5
6	1.6				
7	1.6	1.6	1.6	1.6	
8	1.8				
9	1.8	1.8	1.8	1.8	1.8
10	1.8				
11	2.0				2.0
12	2.1	2.1	2.1	2.1	
13	2.3				
14	2.3				
15	2.4				2.4
16	2.5	2.5	2.5	2.5	
17	2.7				
18	2.7				
19	3.0	2.9	2.9	2.9	2.9
20	3.2				
21	3.4	3.4	3.4	3.4	3.4
22	3.5				
23	4.0			3.9	3.8
24	4.4				

Gear Inches					
Gear	24-speed chain bike* 700C	Runabout 8 700C (2.07 SDS)	Tempo 8 700C (2.07 SDS)	Sprint 8 700C (2.38 SDS)	Sidekick 8 20" Folding (2.38 SDS)
1	25				26
2	31	31	31		30
3	36				
4	36	36	36	36	36
5	42				40
6	45				
7	45	45	45	45	
8	50				
9	50	50	50	50	48
10	50				
11	56				
12	59	59	59	59	58
13	64				
14	64				
15	67				68
16	70	70	70	70	
17	76				
18	76				76
19	84	81	81	81	
20	90				
21	95	95	95	95	
22	98				
23	112			109	
24	123				

* Chain bike gear ratios calculated using 28/38/48 front and 11-30 rear cassette on a 700C bicycle. Gear inches calculated as gear ratio *times* wheel diameter (700C=28").