


Effective Wheelsize: 27.0000 inches

Diameter in millimeters: 700
 Diameter in inches: 27.55905512
 Circumference in millimeters: 2124
 Diameter in inches: 26.61772434

		BACK COG (TEETH)								
		12	13	14	15	16	17	18	19	20
FRONT CHAIN RING (TEETH)	44	99.0	91.4	84.9	79.2	74.3	69.9	66.0	62.5	59.4
	45	101.3	93.5	86.8	81.0	75.9	71.5	67.5	63.9	60.8
	46	103.5	95.5	88.7	82.8	77.6	73.1	69.0	65.4	62.1
	47	105.8	97.6	90.6	84.6	79.3	74.6	70.5	66.8	63.5
	48	108.0	99.7	92.6	86.4	81.0	76.2	72.0	68.2	64.8
	49	110.3	101.8	94.5	88.2	82.7	77.8	73.5	69.6	66.2
	50	112.5	103.8	96.4	90.0	84.4	79.4	75.0	71.1	67.5
	51	114.8	105.9	98.4	91.8	86.1	81.0	76.5	72.5	68.9
	52	117.0	108.0	100.3	93.6	87.8	82.6	78.0	73.9	70.2
	53	119.3	110.1	102.2	95.4	89.4	84.2	79.5	75.3	71.6
	54	121.5	112.2	104.1	97.2	91.1	85.8	81.0	76.7	72.9
	55	123.8	114.2	106.1	99.0	92.8	87.4	82.5	78.2	74.3
56	126.0	116.3	108.0	100.8	94.5	88.9	84.0	79.6	75.6	

SPECIAL NOTES for Juniors:

The maximum chaingear ratio for Junior riders is based on age and discipline. All tests for compliance shall be done using the “roll-out method.”

For track, the limits are:

Ages 17-18:	Unrestricted	
Ages 15-16:	6.78 meters (22' 3")	(48 x 15)
Ages 13-14:	6.36 meters (20' 10.5")	(48 x 16)
Ages 10-12:	6.00 meters (19' 8")	(48 x 17)

Th□
 – even when other entrants may not have the same (or any) limit. Note that the gear ratios listed are merely suggestions
 – the distance rolled out is the governing standard.

MPH	KPH	200m Lap	250m Lap	333m Lap	400m Lap
18.0	29	24.8	31.03	41.38	49.66
18.6	30	24.0	30.00	40.00	48.00
19.3	31	23.2	29.03	38.71	46.45
19.9	32	20.5	28.13	37.50	45.00
20.5	33	21.8	27.27	36.36	43.64
21.1	34	21.3	26.47	35.29	42.35
21.7	35	20.6	25.71	34.29	41.14
22.4	36	20.0	25.00	33.33	40.00
23.0	37	19.5	24.32	32.43	38.92
23.6	38	19.0	23.68	31.58	37.89
24.2	39	18.5	23.08	30.77	36.92
24.9	40	18.0	22.50	30.00	36.00
25.5	41	17.5	21.95	29.27	35.12
26.1	42	17.1	21.43	28.57	34.29
26.7	43	16.7	20.93	27.91	33.49
27.3	44	16.4	20.45	27.27	32.73
28.0	45	16.0	20.00	26.67	32.00
28.6	46	15.6	19.57	26.09	31.30
29.2	47	15.3	19.15	25.53	30.64
29.8	48	15.0	18.75	25.00	30.00
30.4	49	14.7	18.37	24.49	29.39
31.1	50	14.4	18.00	24.00	28.80
31.7	51	14.1	17.65	23.53	28.24
32.3	52	13.8	17.31	23.08	27.69
32.9	53	13.6	16.98	22.64	27.17
33.6	54	13.3	16.67	22.22	26.67
34.2	55	13.1	16.36	21.82	26.18
34.8	56	12.8	16.07	21.43	25.71
35.4	57	12.6	15.79	21.05	25.26
36.0	58	12.4	15.52	20.69	24.83
36.7	59	12.2	15.25	20.34	24.41
37.3	60	12.0	15.00	20.00	24.00
37.9	61	11.8	14.75	19.67	23.61
38.5	62	11.6	14.52	19.35	23.23
39.1	63	11.5	14.29	19.05	22.86
39.8	64	11.3	14.06	18.75	22.50
40.4	65	11.1	13.85	18.46	22.15
41.0	66	10.99	13.64	18.18	21.82
41.6	67	10.9	13.43	17.91	21.49
42.3	68	10.5	13.24	17.65	21.18
42.9	69	10.4	13.04	17.39	20.87
43.5	70	10.3	12.86	17.14	20.57