

Legal Junior Gearing Chart (U19)

Rollout Distance in Meters by Largest Front Ring and Smallest Rear Cog for 700C Rim

Max Distance: **7.93 m**

Wheel Diameter (rim + tire): 680 mm (based on a 700C rim size)

Smallest Rear Cog	Largest Front Ring									
	57	56	55	54	53	52	51	50	49	48
18	6.76	6.64	6.52	6.40	6.28	6.16	6.04	5.93	5.81	5.69
17	7.15	7.03	6.90	6.78	6.65	6.53	6.40	6.27	6.15	6.02
16	7.60	7.47	7.33	7.20	7.07	6.93	6.80	6.67	6.53	6.40
15	8.11	7.97	7.82	7.68	7.54	7.40	7.25	7.11	6.97	6.83
14	8.69	8.54	8.38	8.23	8.08	7.93	7.77	7.62	7.47	7.32
13	9.36	9.19	9.03	8.86	8.70	8.54	8.37	8.21	8.04	7.88
12	10.14	9.96	9.78	9.60	9.42	9.25	9.07	8.89	8.71	8.54
11	11.06	10.86	10.67	10.48	10.28	10.09	9.89	9.70	9.51	9.31

Notes:

Tire type, size, pressure and temperature can change the rollout distance.

Regardless of this chart, all bikes must pass a rollout test before and after the race.

This chart does not apply for the smaller 650C rim size.

Prepared by Edward Sitarski, 2014

Legal Gearing Chart (U17)

Rollout Distance in Meters by Largest Front Ring and Smallest Rear Cog for 700C Rim

Max Distance: **6.94 m**

Wheel Diameter (rim + tire): 680 mm (based on a 700C rim size)

		Largest Front Ring									
Smallest Rear Cog		57	56	55	54	53	52	51	50	49	48
18		6.76	6.64	6.52	6.40	6.28	6.16	6.04	5.93	5.81	5.69
17		7.15	7.03	6.90	6.78	6.65	6.53	6.40	6.27	6.15	6.02
16		7.60	7.47	7.33	7.20	7.07	6.93	6.80	6.67	6.53	6.40
15		8.11	7.97	7.82	7.68	7.54	7.40	7.25	7.11	6.97	6.83
14		8.69	8.54	8.38	8.23	8.08	7.93	7.77	7.62	7.47	7.32
13		9.36	9.19	9.03	8.86	8.70	8.54	8.37	8.21	8.04	7.88
12		10.14	9.96	9.78	9.60	9.42	9.25	9.07	8.89	8.71	8.54
11		11.06	10.86	10.67	10.48	10.28	10.09	9.89	9.70	9.51	9.31

Notes:

Tire type, size, pressure and temperature can change the rollout distance.

Regardless of this chart, all bikes must pass a rollout test before and after the race.

This chart does not apply for the smaller 650C rim size.

Prepared by Edward Sitarski, 2014

Legal Gearing Chart (U15)

Rollout Distance in Meters by Largest Front Ring and Smallest Rear Cog for 700C Rim

Max Distance: 6 m

Wheel Diameter (rim + tire): 680 mm (based on a 700C rim size)

Smallest Rear Cog	Largest Front Ring									
	46	45	44	43	42	41	40	39	38	37
18	5.45	5.33	5.21	5.10	4.98	4.86	4.74	4.62	4.50	4.38
17	5.77	5.65	5.52	5.40	5.27	5.14	5.02	4.89	4.77	4.64
16	6.13	6.00	5.87	5.73	5.60	5.47	5.33	5.20	5.07	4.93
15	6.54	6.40	6.26	6.12	5.97	5.83	5.69	5.55	5.40	5.26
14	7.01	6.86	6.71	6.55	6.40	6.25	6.10	5.94	5.79	5.64
13	7.55	7.39	7.22	7.06	6.89	6.73	6.56	6.40	6.24	6.07
12	8.18	8.00	7.82	7.65	7.47	7.29	7.11	6.93	6.76	6.58
11	8.92	8.73	8.54	8.34	8.15	7.95	7.76	7.56	7.37	7.18

Notes:

Tire type, size, pressure and temperature can change the rollout distance.

Regardless of this chart, all bikes must pass a rollout test before and after the race.

This chart does not apply for the smaller 650C rim size.

Prepared by Edward Sitarski, 2014

Legal Gearing Chart (U13)

Rollout Distance in Meters by Largest Front Ring and Smallest Rear Cog for 700C Rim

Max Distance: 5.6 m

Wheel Diameter (rim + tire): 680 mm (based on a 700C rim size)

Smallest Rear Cog	Largest Front Ring									
	46	45	44	43	42	41	40	39	38	37
18	5.45	5.33	5.21	5.10	4.98	4.86	4.74	4.62	4.50	4.38
17	5.77	5.65	5.52	5.40	5.27	5.14	5.02	4.89	4.77	4.64
16	6.13	6.00	5.87	5.73	5.60	5.47	5.33	5.20	5.07	4.93
15	6.54	6.40	6.26	6.12	5.97	5.83	5.69	5.55	5.40	5.26
14	7.01	6.86	6.71	6.55	6.40	6.25	6.10	5.94	5.79	5.64
13	7.55	7.39	7.22	7.06	6.89	6.73	6.56	6.40	6.24	6.07
12	8.18	8.00	7.82	7.65	7.47	7.29	7.11	6.93	6.76	6.58
11	8.92	8.73	8.54	8.34	8.15	7.95	7.76	7.56	7.37	7.18

Notes:

Tire type, size, pressure and temperature can change the rollout distance.

Regardless of this chart, all bikes must pass a rollout test before and after the race.

This chart does not apply for the smaller 650C rim size.

Prepared by Edward Sitarski, 2014