

Table of distance travelled per crank revolution 20" wheels (wheel circumference 1.51m)

Sprocket Chain ring	13 tooth		15 tooth		16 tooth		17 tooth	
	from	to	from	to	from	to	from	to
32 tooth	1.04m	- 5.45m	not permitted		not permitted		not permitted	
34 tooth	1.11m	- 5.79m	not permitted		not permitted		not permitted	
36 tooth	1.17m	- 6.13m	1.01m	- 5.32m	not permitted		not permitted	
38 tooth	1.23m	- 6.47m	1.07m	- 5.61m	1.00m	- 5.26m	not permitted	
40 tooth	1.30m	- 6.81m	1.12m	- 5.91m	1.05m	- 5.54m	0.99m	- 5.21m
42 tooth	1.36m	- 7.16m	1.18m	- 6.20m	1.10m	- 5.81m	1.04m	- 5.47m
44 tooth	1.42m	- 7.50m	1.23m	- 6.50m	1.16m	- 6.09m	1.09m	- 5.73m
46 tooth	1.49m	- 7.84m	1.29m	- 6.79m	1.21m	- 6.37m	1.14m	- 5.99m
48 tooth	1.55m	- 8.18m	1.35m	- 7.09m	1.26m	- 6.64m	1.19m	- 6.25m
50 tooth	1.62m	- 8.52m	1.40m	- 7.38m	1.32m	- 6.92m	1.24m	- 6.51m
52 tooth	1.68m	- 8.86m	1.46m	- 7.68m	1.37m	- 7.20m	1.29m	- 6.77m

Table of distance travelled per crank revolution 26" wheels (wheel circumference 2.06m)

Sprocket Chain ring	13 tooth		15 tooth		16 tooth		17 tooth	
	from	to	from	to	from	to	from	to
32 tooth	1.41m	- 7.44m	not permitted		not permitted		not permitted	
34 tooth	1.50m	- 7.91m	not permitted		not permitted		not permitted	
36 tooth	1.59m	- 8.37m	1.38m	- 7.25m	not permitted		not permitted	
38 tooth	1.68m	- 8.83m	1.45m	- 7.65m	1.36m	- 7.18m	not permitted	
40 tooth	1.77m	- 9.30m	1.53m	- 8.06m	1.44m	- 7.55m	1.35m	- 7.10m
42 tooth	1.86m	- 9.76m	1.61m	- 8.46m	1.51m	- 7.93m	1.42m	- 7.46m
44 tooth	1.94m	- 10.23m	1.68m	- 8.86m	1.58m	- 8.31m	1.49m	- 7.82m
46 tooth	2.03m	- 10.69m	1.76m	- 9.27m	1.65m	- 8.69m	1.55m	- 8.18m
48 tooth	2.12m	- 11.16m	1.84m	- 9.67m	1.72m	- 9.06m	1.62m	- 8.53m
50 tooth	2.21m	- 11.62m	1.91m	- 10.07m	1.79m	- 9.44m	1.69m	- 8.89m
52 tooth	2.30m	- 12.09m	1.99m	- 10.47m	1.87m	- 9.82m	1.76m	- 9.24m

Table of distance travelled per crank revolution 28" wheels (wheel circumference 2.18m)

Sprocket Chain ring	13 tooth		15 tooth		16 tooth		17 tooth	
	from	to	from	to	from	to	from	to
32 tooth	1.49m	- 7.87m	not permitted		not permitted		not permitted	
34 tooth	1.59m	- 8.36m	not permitted		not permitted		not permitted	
36 tooth	1.68m	- 8.85m	1.46m	- 7.67m	not permitted		not permitted	
38 tooth	1.78m	- 9.35m	1.54m	- 8.10m	1.44m	- 7.59m	not permitted	
40 tooth	1.87m	- 9.84m	1.62m	- 8.53m	1.52m	- 7.99m	1.43m	- 7.52m
42 tooth	1.96m	- 10.33m	1.70m	- 8.95m	1.60m	- 8.39m	1.50m	- 7.90m
44 tooth	2.06m	- 10.82m	1.78m	- 9.38m	1.67m	- 8.79m	1.57m	- 8.28m
46 tooth	2.15m	- 11.31m	1.86m	- 9.81m	1.75m	- 9.19m	1.64m	- 8.65m
48 tooth	2.24m	- 11.81m	1.94m	- 10.23m	1.82m	- 9.59m	1.72m	- 9.03m
50 tooth	2.34m	- 12.30m	2.03m	- 10.66m	1.90m	- 9.99m	1.79m	- 9.40m
52 tooth	2.43m	- 12.79m	2.11m	- 11.08m	1.97m	- 10.39m	1.86m	- 9.78m