HOW TO INTERPRET STRIDEMASTER DATA

StrideMaster is a revolutionary tracking system developed to measures a horse's performance on raceday through GPS and precision sensor data. Recorded continuously, StrideMaster combines timing, positional data and physical performance measures for every horse on raceday. The data is summarised over 200 metre intervals.

These figures reflect the average of the horse's overall performance for the race. For example this horse had an average stride length of 6.87m throughout the race.

POSITION IN RUNNING

Position in running is the horse's actual position during the race at each designated 200 metre section. Margins reflect the actual distance from the lead horse (measured in lengths).

SECTIONAL TIME (Seconds)

Time taken between two points on the track, 200 metres apart.

CUMULATIVE TIME (Seconds)

The cumulative time taken at each sectional marker in the race.

SPEED (Metres per Second)

Average speed measured over each 200 metre section.

STRIDE LENGTH (Metres)

Stride length is the individual length of a horse's stride. The figure presented is an average stride length for each 200m section. [Stride Length = 200m ÷ Stride Count]

STRIDE DURATION (Seconds)

Stride Duration is the time taken for the horse to take each stride. The figure presented is an average stride duration for each 200m section. [Stride Duration = Sectional Time ÷ Stride Count]

STRIDE EFFICIENCY (%)

Compares stride length, stride duration and speed to an elite racehorse running 11 second 200m sections. The benchmark for stride length, stride duration and speed are 8m, 0.44s and 18.18 metres per second respectively.

STRIDE COUNT

Stride Count is the total number of strides taken in each 200m section. [Stride Count = Number of Strides]

Race 1 - 1400m	Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	Section 7	
Horse Name	1400m to 1200m	1200m to 1000m	1000m to 800m	800m to 600m	600m to 400m	400m to 200m	200m to WP	Total or Average
Position in Running (Margin)	4 (3.2)	2 (0.8)	2 (0.4)	1 (0.0)	1 (0.0)	1 (0.0)	1 (0.0)	
Sectional Time (s)	14.24	11.72	12.11	12.38	11.99	12.23	12.96	
Cumulative Time (s)	87.63	73.39	61.67	49.56	37.18	25.19	12.97	01:27.63
Speed (m/s)	14.04	17.06	16.52	16.16	16.68	16.35	15.43	16.03
Stride Length (m)	6.00	7.30	7.12	6.89	7.03	6.96	6.81	6.87
Stride Duration (s)	0.430	0.430	0.430	0.430	0.420	0.430	0.440	0.430
Stride Efficiency (%)	56.26	83.27	79.26	74.13	77.19	75.65	72.46	74.03
Stride Count	33.33	27.40	28.08	29.04	28.46	28.74	29.37	204.42

This is the total number of strides taken during the race.

StrideMASTER®