

Swimming Australia 'SpeedChart' Male 200 LCM Breaststroke



200m	Push Targets*									
	15m	25m	50m	75m	100m	125m	150m	175m	200m	
	(=0.69)	(=0.81)	(=0.89)	(=0.92)	(=0.94)	(=0.96)	(=0.98)	(=0.99)		
02:06.0	6.67	12.94	28.76	44.38	60.75	1:16.52	1:33.08	1:49.16	2:06.00	28.76
02:06.5	6.70	12.98	28.85	44.54	60.97	1:16.81	1:33.45	1:49.59	2:06.50	28.85
02:07.0	6.73	13.03	28.95	44.69	61.19	1:17.10	1:33.81	1:50.02	2:07.00	28.95
02:07.5	6.75	13.07	29.05	44.85	61.42	1:17.39	1:34.18	1:50.45	2:07.50	29.05
02:08.0	6.78	13.12	29.14	45.00	61.64	1:17.67	1:34.54	1:50.88	2:08.00	29.14
02:08.5	6.81	13.16	29.24	45.16	61.86	1:17.96	1:34.90	1:51.31	2:08.50	29.24
02:09.0	6.84	13.20	29.34	45.31	62.08	1:18.25	1:35.27	1:51.74	2:09.00	29.34
02:09.5	6.87	13.25	29.43	45.47	62.30	1:18.54	1:35.63	1:52.17	2:09.50	29.43
02:10.0	6.88	13.29	29.53	45.62	62.53	1:18.83	1:36.00	1:52.60	2:10.00	29.53
02:10.5	6.92	13.34	29.63	45.78	62.75	1:19.12	1:36.36	1:53.02	2:10.50	29.63
02:11.0	6.95	13.38	29.72	45.93	62.97	1:19.41	1:36.73	1:53.45	2:11.00	29.72
02:11.5	6.98	13.42	29.82	46.09	63.19	1:19.70	1:37.09	1:53.88	2:11.50	29.82
02:12.0	7.01	13.47	29.92	46.24	63.42	1:19.98	1:37.46	1:54.31	2:12.00	29.92
02:12.5	7.03	13.51	30.01	46.40	63.64	1:20.27	1:37.82	1:54.74	2:12.50	30.01
02:13.0	7.06	13.56	30.11	46.55	63.86	1:20.56	1:38.18	1:55.17	2:13.00	30.11
02:13.5	7.09	13.60	30.21	46.71	64.08	1:20.85	1:38.55	1:55.60	2:13.50	30.21
02:14.0	7.12	13.65	30.30	46.86	64.30	1:21.14	1:38.91	1:56.03	2:14.00	30.30
02:14.5	7.14	13.69	30.40	47.02	64.53	1:21.43	1:39.28	1:56.46	2:14.50	30.40
02:15.0	7.17	13.73	30.50	47.17	64.75	1:21.72	1:39.64	1:56.89	2:15.00	30.50
02:15.5	7.20	13.78	30.59	47.33	64.97	1:22.01	1:40.01	1:57.32	2:15.50	30.59
02:16.0	7.23	13.82	30.69	47.48	65.19	1:22.29	1:40.37	1:57.75	2:16.00	30.69
02:16.5	7.26	13.87	30.79	47.64	65.41	1:22.58	1:40.74	1:58.18	2:16.50	30.79
02:17.0	7.28	13.91	30.88	47.79	65.64	1:22.87	1:41.10	1:58.61	2:17.00	30.88
02:17.5	7.31	13.95	30.98	47.95	65.86	1:23.16	1:41.46	1:59.04	2:17.50	30.98
02:18.0	7.34	14.00	31.08	48.10	66.08	1:23.45	1:41.83	1:59.47	2:18.00	31.08
02:18.5	7.37	14.04	31.17	48.26	66.30	1:23.74	1:42.19	1:59.90	2:18.50	31.17
02:19.0	7.39	14.09	31.27	48.41	66.53	1:24.03	1:42.56	2:00.33	2:19.00	31.27
02:19.5	7.42	14.13	31.37	48.57	66.75	1:24.32	1:42.92	2:00.75	2:19.50	31.37
02:20.0	7.45	14.18	31.46	48.72	66.97	1:24.60	1:43.29	2:01.18	2:20.00	31.46
02:20.5	7.48	14.22	31.56	48.88	67.19	1:24.89	1:43.65	2:01.61	2:20.50	31.56
02:21.0	7.51	14.26	31.66	49.03	67.41	1:25.18	1:44.02	2:02.04	2:21.00	31.66
02:21.5	7.53	14.31	31.75	49.19	67.64	1:25.47	1:44.38	2:02.47	2:21.50	31.75
02:22.0	7.56	14.35	31.85	49.34	67.86	1:25.76	1:44.74	2:02.90	2:22.00	31.85
02:22.5	7.59	14.40	31.95	49.50	68.08	1:26.05	1:45.11	2:03.33	2:22.50	31.95
02:23.0	7.62	14.44	32.04	49.65	68.30	1:26.34	1:45.47	2:03.76	2:23.00	32.04

How to use the 'SpeedChart'

1. Use the target race time to set training times for specific distances. Athletes should aim to achieve race velocities in training for these intervals.
 2. Predict 200m time based on training times over shorter distances. Use of the chart this way will help to ensure that training is speed specific. This is not a way to predict race times but a way of ensuring specific speeds are being attained in training.
- * Push targets are based on FEET-OFF wall to HEAD at the specified distance except for mid 100 and 2nd 100 which is FEET-OFF to HAND-TOUCH.
Note: calculations based on 0.4 seconds for FOOT CONTACT TIME for backstroke turn (used to convert 2nd, 3rd, and 4th 50m in push times.)

Always use these 'SpeedCharts' in conjunction with other race analysis information (stroke rates, stroke count, turning information (breakout etc) and breathing patterns) to ensure specificity of training and to ensure speed and technique goals are achieved.

ALL TIMES ARE BASED ON TIME FROM GUN TO HEAD adjustments for other timing methods:

Timing Method Adjustments:	
Feet off Blocks	+0.75
Time to hand	+0.25
Feet off wall	+0.3

1. Short interval: look up cart time, then subtract the adjustment.
2. projected race time: add adjustment and look up chart with adjusted time