

Race Analysis

World Championship 2019



Swimming parameters analysis		from 15m to 45m							
		1' 300	2' 300	3' 300	4' 300	5' 300	Total	First 1400m	Last 100m
Florian Wellbrock									
Total time	Time	01:48.26	01:49.87	01:50.69	01:50.48	01:47.58	09:06.88	08:32.36	00:34.52
Av Time	Time	00:18.04	00:18.31	00:18.45	00:18.41	00:17.95	00:18.23	00:18.30	00:17.26
Speed	Metre/Sec	1.65	1.64	1.63	1.63	1.67	1.65	1.64	1.74
Stroke Rate	Cycle/Min	33.3	32.3	32.7	32.8	35.5	33.3	32.9	39.7
Stroke Tempo	Time	00:01.80	00:01.86	00:01.83	00:01.83	00:01.70	00:01.80	00:01.83	00:01.51
DPS	Cm	299.2	304.5	298.1	298.4	284.3	296.9	299.3	262.7
Stroke Index	Stk*Speed	4.98	4.99	4.85	4.86	4.75	4.89	4.91	4.57

Swimming parameters analysis		from 15m to 45m							
		1' 300	1' 300	1' 300	1' 300	Total	First 1400m	Last 100m	
Mykhailo Romanchuk									
Total time	Time	01:48.75	01:49.84	01:50.16	01:49.87	01:47.43	09:06.05	08:31.30	00:34.75
Av Time	Time	00:18.12	00:18.31	00:18.36	00:18.31	00:17.91	00:18.20	00:18.26	00:17.37
Speed	Metre/Sec	1.66	1.64	1.63	1.64	1.68	1.65	1.64	1.73
Stroke Rate	Time	32.7	31.9	31.9	32.4	34.6	32.7	32.3	38.2
Stroke Tempo	Time	00:01.83	00:01.88	00:01.88	00:01.85	00:01.75	00:01.84	00:01.86	00:01.58
DPS	Cm	303.5	308.4	307.8	303.8	292.3	303.2	305.4	271.9
Stroke Index	Stk*Speed	5.03	5.05	5.03	4.98	4.90	5.00	5.02	4.69

Swimming parameters analysis		from 15m to 45m							
		1' 300	1' 300	1' 300	1' 300	Total	First 1400m	Last 100m	
Gregorio Paltrinieri									
Total time	Time	01:47.65	01:49.55	01:49.70	01:49.73	01:48.46	09:05.09	08:29.47	00:35.62
Av Time	Time	00:17.94	00:18.26	00:18.28	00:18.29	00:18.08	00:18.17	00:18.20	00:17.81
Speed	Metre/Sec	1.67	1.64	1.64	1.64	1.66	1.65	1.65	1.68
Stroke Rate	Time	44.1	43.7	43.7	43.5	43.7	43.8	43.7	44.2
Stroke Tempo	Time	00:01.36	00:01.37	00:01.37	00:01.38	00:01.37	00:01.37	00:01.37	00:01.36
DPS	Cm	227.5	225.9	225.2	226.0	227.8	226.5	226.3	228.8
Stroke Index	Stk*Speed	3.81	3.71	3.70	3.71	3.78	3.74	3.73	3.86

Turn parameters analysis		from 5m before the wall to 15m after the wall					from 5m before the wall to 15m after the wall													
		Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	First 1400m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	Last 100m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m		
Total 1500m	Time	05:20.80	02:24.22	01:30.02	00:54.20	02:56.58	00:11.06	00:04.97	00:03.20	00:01.87	00:06.09	00:00.32	00:04.97	00:03.11	00:01.87	00:06.11	00:00.32	00:04.96	00:01.87	00:05.76
Av Time	Time	00:11.06	00:04.97	00:03.20	00:01.87	00:06.09	00:00.32	00:04.97	00:03.11	00:01.87	00:06.11	00:00.32	00:04.97	00:03.11	00:01.87	00:06.11	00:00.32	00:04.96	00:01.87	00:05.76
Speed	Metre/Sec	1.81	2.01	1.61	2.68	1.64	1.94	2.01	1.61	2.68	1.64	1.94	2.01	1.61	2.68	1.64	1.94	2.01	1.61	2.67

Turn parameters analysis		from 5m before the wall to 15m after the wall					from 5m before the wall to 15m after the wall													
		Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	First 1400m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	Last 100m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m		
Total 1500m	Time	05:22.23	02:23.00	01:33.43	00:49.57	02:59.23	00:11.31	00:04.93	00:03.22	00:01.71	00:06.18	00:00.36	00:04.93	00:03.22	00:01.70	00:06.20	00:00.36	00:04.99	00:03.21	00:01.78
Av Time	Time	00:11.31	00:04.93	00:03.22	00:01.71	00:06.18	00:00.36	00:04.93	00:03.22	00:01.70	00:06.20	00:00.36	00:04.99	00:03.21	00:01.78	00:06.19	00:00.36	00:04.99	00:03.21	00:01.78
Speed	Metre/Sec	1.80	2.03	1.55	2.93	1.62	1.93	2.03	1.55	2.93	1.61	1.93	2.03	1.55	2.93	1.61	1.93	2.03	1.55	2.81

Turn parameters analysis		from 5m before the wall to 15m after the wall					from 5m before the wall to 15m after the wall													
		Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	First 1400m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	Last 100m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m		
Total 1500m	Time	05:24.16	02:27.92	01:32.27	00:55.65	02:56.24	00:11.18	00:05.10	00:03.18	00:01.92	00:06.07	00:00.42	00:05.10	00:03.18	00:01.92	00:06.09	00:00.42	00:05.11	00:03.16	00:01.95
Av Time	Time	00:11.18	00:05.10	00:03.18	00:01.92	00:06.07	00:00.42	00:05.10	00:03.18	00:01.92	00:06.09	00:00.42	00:05.11	00:03.16	00:01.95	00:06.09	00:00.42	00:05.11	00:03.16	00:01.95
Speed	Metre/Sec	1.79	1.96	1.57	2.61	1.65	1.92	1.96	1.57	2.61	1.64	1.92	1.96	1.57	2.61	1.64	1.92	1.96	1.57	2.56



Swimming parameters analysis		from 15m to 45m							
		1' 300	1' 300	1' 300	1' 300	Total	First 1400m	Last 100m	
Gregorio Paltrinieri									
Total time	Time	01:47.22	01:47.62	01:47.39	01:47.78	01:47.02	08:56.94	08:21.84	00:35.10
Av Time	Time	00:17.87	00:17.94	00:17.88	00:17.96	00:17.94	00:17.90	00:17.92	00:17.55
Speed	Metre/Sec	1.68	1.67	1.68	1.67	1.68	1.68	1.67	1.71
Stroke Rate	Time	44.29	45.12	45.19	45.19	44.90	44.94	44.92	45.15
Stroke Tempo	Time	00:01.36	00:01.33	00:01.33	00:01.33	00:01.34	00:01.34	00:01.34	00:01.33
DPS	Cm	227.6	222.5	222.7	221.7	224.8	223.9	223.6	227.8
Stroke Index	Stk*Speed	3.83	3.72	3.74	3.70	3.78	3.75	3.74	3.89

Turn parameters analysis		from 5m before the wall to 15m after the wall					from 5m before the wall to 15m after the wall													
		Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	First 1400m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m	Last 100m	Turn total time	From 5m from -5 to +15m	before the wall	From 5m from the wall to 5m after wall	From 5m to 15m		
Total 1500m	Time	05:26.72	02:32.44	01:34.96	00:57.48	02:54.28	00:11.27	00:05.25	00:03.27	00:01.98	00:06.01	00:00.42	00:05.25	00:03.28	00:01.98	00:06.02	00:00.42	00:05.26	00:03.14	00:02.02
Av Time	Time	00:11.27	00:05.25	00:03.27	00:01.98	00:06.01	00:00.42	00:05.26	00:03.28	00:01.98	00:06.02	00:00.42	00:05.26	00:03.14	00:02.02	00:06.02	00:00.42	00:05.26	00:03.14	00:02.02
Speed	Metre/Sec	1.78	1.90	1.53	2.53	1.66	1.90	1.90	1.52	2.53	1.66	1.90	1.90	1.52	2.53	1.66	1.90	1.90	1.52	2.48