

Appendix F Braking data with registered starting date and time of tests

For each of the tests, results are given for distance s1 along with information on time at start of test.

Block J822

Cold and dry condition, reference distance 7.5 kN					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
1	514	2025-09-02 07:44	2	264	2025-09-02 08:09
3	562	2025-09-02 08:22	4	267	2025-09-02 08:48
5	546	2025-09-02 09:04	6	261	2025-09-02 09:33
7	559	2025-09-02 09:50	8	254	2025-09-02 10:18
9	533	2025-09-02 10:36	10	254	2025-09-02 11:04
11	534	2025-09-02 11:21	12	263	2025-09-02 11:50

Ice condition 7.5 kN					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
1	876	2025-09-03 08:40	2	800	2025-09-03 09:23
3	993	2025-09-03 09:54	4	1128	2025-09-03 10:39
5	1215	2025-09-03 11:10	6	1276	2025-09-03 11:53
Deicing of brake shoes with heat gun, cleaning of notch in shoes					
7	1015	2025-09-03 12:59	8	979	2025-09-03 13:40
9	917	2025-09-03 14:11	10	1062	2025-09-03 14:54
11	1230	2025-09-03 15:28	12	1106	2025-09-03 16:12
Ice condition, braking force 9240 N					
1	712	2025-09-04 10:48	na	na	na

REPORT. Improved standard for testing of composite brake blocks for winter conditions - testing at the Becorit winter brake bench of two K type brake blocks
Appendix F Braking data with registered starting date and time of tests

Dnr: TSG 2023-8756

Snow condition					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
Water flow to generate snow: 12 l/h					
1	748	2025-09-04 11:32	2	1083	2025-09-04 12:07
3	1738	2025-09-04 12:36	4	1684	2025-09-04 13:15
Shoes deiced and dried after 4; water flow to generate snow: 6 l/h					
5	886	2025-09-04 14:05	6	1110	2025-09-04 14:46
7	1287	2025-09-04 15:20	8	670	2025-09-05 08:17
Shoes deiced and dried after 8; water flow to generate snow 3 l/h					
9	850	2025-09-05 09:08	10	784	2025-09-05 09:47
11	922	2025-09-05 10:19	12	902	2025-09-05 11:00

Block C333

Cold and dry condition 7kN, reference distance					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
1	485,4	2025-10-02 09:23	2	237,1	2025-10-02 09:52
3	479,3	2025-10-02 10:08	4	239,9	2025-10-02 10:36
Cold and dry condition 6.6kN, reference distance					
5	496,6	2025-10-02 11:17	6	242,7	2025-10-02 11:44
7	491	2025-10-02 12:00	8	259,4	2025-10-02 12:28
Cold and dry condition 6.3kN, reference distance					
9	510,5	2025-10-02 12:47	10	251,1	2025-10-02 13:14
11	510,5	2025-10-02 13:29	12	251,1	2025-10-02 13:57

Cold and dry condition, reference distance with 6.3 kN					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
1	482	2025-10-06 09:06	2	223	2025-10-06 09:40
3	466	2025-10-06 09:58	4	236	2025-10-06 10:27
5	476	2025-10-06 10:43	6	229	2025-10-06 11:13
7	487	2025-10-06 11:29	8	235	2025-10-06 11:57
9	477	2025-10-06 12:13	10	229	2025-10-06 12:42
11	485	2025-10-06 12:57	12	242	2025-10-06 13:26

Ice condition, 6.3 kN					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
1	1100	2025-10-06 14:56	2	2134	2025-10-06 15:35
3	952	2025-10-07 08:09	4	1654	2025-10-07 08:42
5	1072	2025-10-07 09:09	6	1656	2025-10-07 09:43
7	931	2025-10-07 10:04	8	2640	2025-10-07 10:41
Ice condition, 7 kN					
9	767	2025-10-07 12:23	10	1595	2025-10-07 12:58
11	990	2025-10-07 13:51	12	2140	2025-10-07 14:26
Ice condition, braking force 9240 N, manual mode					
1	654	2025-10-07 14:45	2	968	2025-10-07 15:35

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Dnr: TSG 2023-8756

Snow condition, 6.3 kN					
Brake stop	Speed: 100 kph		Brake stop	Speed: 70 kph	
	Braking distance s1	date and time		Braking distance s1	date and time
	[m]			[m]	
Water flow to generate snow: 12 l/h					
1	523	2025-10-08 08:40	2	1837	2025-10-08 09:10
3	525	2025-10-08 09:28	4	2049	2025-10-08 10:00
5	936	2025-10-08 10:21	6	2102	2025-10-08 10:54
7	1264	2025-10-08 11:17	8	2108	2025-10-08 11:52
Snow condition, 7.5 kN, Water flow to generate snow: 3 l/h					
9	453	2025-10-08 15:47	10	1532	2025-10-08 16:18
11	536	2025-10-08 16:36	12	1832	2025-10-08 17:07
Snow condition, 7.5 kN, Water flow to generate snow: 3 l/h, manual warm conditioning between brake stops					
9.2	486	2025-10-09 09:29	10.2	406	2025-10-09 08:27
11.2	432	2025-10-09 11:33	12.2	591	2025-10-09 10:30