

# ISO 13674-1:2023-11 (E)

## Road vehicles - Test method for the quantification of on-centre handling - Part 1: Weave test

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms, definitions, and symbols .....	1
4	Principle .....	2
5	Variables .....	2
5.1	Reference system .....	2
5.2	Variables to be measured .....	2
6	Measuring equipment .....	3
6.1	Description .....	3
6.2	Transducer installations .....	3
6.3	Data processing .....	3
7	Test conditions .....	3
7.1	General .....	3
7.2	Test track .....	3
7.3	Wind velocity .....	4
7.4	Test vehicle .....	4
7.4.1	General data .....	4
7.4.2	Tyres .....	4
7.4.3	Operating components .....	4
7.4.4	Loading conditions of vehicle .....	4
8	Procedure .....	5
8.1	Warm-up .....	5
8.2	Initial driving condition .....	5
8.3	Weave test procedure .....	5
9	Data evaluation and presentation of results .....	6
9.1	General .....	6
9.2	Time histories .....	6
9.3	Characteristic values .....	6
9.3.1	General .....	6
9.3.2	Steering-wheel torque versus steering-wheel angle (MH versus H) .....	8
9.3.3	Yaw velocity versus steering-wheel angle (d/dt versus H) .....	8
9.3.4	Yaw velocity versus steering-wheel torque (d/dt versus MH) .....	8
9.3.5	Lateral acceleration versus steering-wheel angle (aY versus H) .....	8
	.....	8
9.3.6	Steering-wheel torque versus lateral acceleration (MH versus aY) .....	8
Bibliography .....		10