

Route

Mercedes-Benz Test Circuit Friedrichsruhe

Distance: 34,5 km, driving time: approx. 30 min.

Rules



No Mobile Phone



Fasten Seatbelts

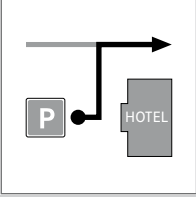
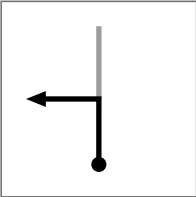
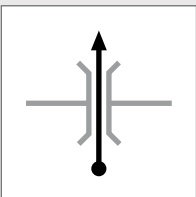
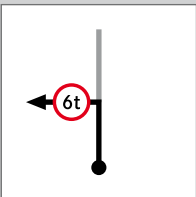
0,5 % Drink-Drive-Limit

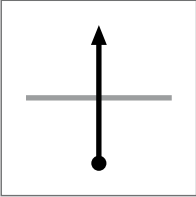
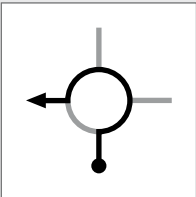
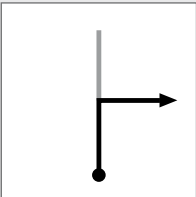
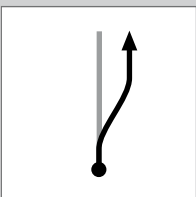
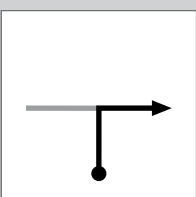
Tempolimits

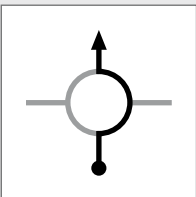
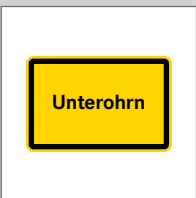
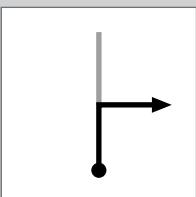

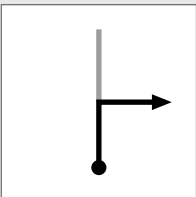
In Town 50 km/h
 Out of Town 100 km/h
 Highway 120 km/h (Speed limit)

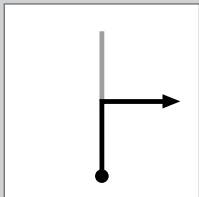
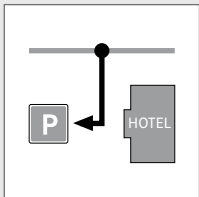


Mobile speed traps may be in operation

NO	KM			NATURE & STATE OF ROUTE	FINDINGS
01	0,0 0,1		Friedrichruhe car park, exit opposite hotel main entrance, go left past hotel main entrance, at junction with priority road go right, follow priority road towards Öhringen		
02	0,1 1,2			Heavily buckled road surface.	Mainly short-wave excitation of vehicle (throw, pitch). Occasional long-wave excitation (roll, tilt).
03	1,3 2,3		Turn left towards Neuenstein	After that: Level surface profile. Asphalt a little rough.	Check of noise level in vehicle interior (droning and booming noises, especially in estates) and thus of noise insulation measures.
04	3,6 0,7			Bumps, starting from outer edges of road, mainly from the right.	Alternating long-wave excitation (light roll).
05	4,3 0,5		Cross the highway Attention: Turn left towards small connecting road		
06	4,8 0,5		Turn left towards small connecting road	After that: Buckled road surface. Rough asphalt.	Short-wave excitation of vehicle (throw, pitch). Check of noise level in vehicle interior (droning and booming noises, especially in estates) and thus of noise insulation measures.

NO	KM			NATURE & STATE OF ROUTE	FINDINGS
07	5,3 0,6		Junction, straight ahead (there, at opposite roadside: danger sign soft verges, "Straßenschäden" = road damage)	After that: Buckled road surface.	Alternating mixed excitation: long-wave (roll, tilt) and short-wave (throw, pitch).
08	5,9 0,2			Buckled road surface.	Mixed lateral excitation: long-wave (roll) and short-wave (throw).
09	6,1 0,5		Roundabout, 3rd exit towards motorway		
10	6,6 7,6		Motorway towards Heilbronn	After that: Occasional uneven spots on road surface.	Occasional long-wave excitation (roll, tilt). Check of wind noises. For single loud wind noises: localising of cause.
11	14,2 0,7		Exit towards Öhringen / Pfedelbach / Zweiflingen		
12	14,9 0,3		Right towards Neuenstadt		

NO	KM			NATURE & STATE OF ROUTE	FINDINGS
13	15,2 0,1		Roundabout, 2nd exit towards Neuenstadt / Unterohrn		
14	15,3 0,5		Place name sign: Unterohrn	After that: Single obstacles on road surface: manhole covers, potholes, etc.	Check: How well does vehicle offset individual excitations?
15	15,8 3,9		Turn right towards Ohrnberg (into Ohrn river valley)	After that: Long, wide bends; short, tight bends; good road surface, only scattered buckled spots.	Check of steering precision. Check of noise level in vehicle interior (droning and booming noises, especially in estates) and thus of noise insulation measures.
16	19,7 0,9			Bumpy road. Rough asphalt.	Occasional excitation, mainly long-wave (roll, tilt).
17	21,6 0,5		Place name sign: Ohrnberg		
18	22,1 6,8		Turn right towards Künzelsau / Weißbach / Sindringen (into Kocher river valley)	After that: Good road surface, only single bumps.	Occasional slight excitation, mainly long-wave (light roll).

NO	KM		NATURE & STATE OF ROUTE	FINDINGS
19	28,9 2,3	 <p>Turn right towards Öhringen / Zweiflingen / Friedrichsruhe</p>	Winding road.	Check of steering precision. Mainly long-wave excitation of alternating roll.
20	31,2 0,2		Bumps on road surface, also patched spots on asphalt.	Mixed excitation: long-wave (roll) and short-wave (pitch).
21	31,4 1,7		Additionally: slightly hilly stretch.	Check of engine power and characteristics (e.g. flexibility), gearshifts (in case of automatic transmissions also shift programs).
22	33,1 0,3		Slight buckling of road surface. Patched spots on asphalt.	Slight wheel hop and so check of damping action of suspension.
23	33,4 1,1		Buckling of road surface.	Strong short-wave excitation of vehicle (throw, pitch).
24	34,5	 <p>Entrance car park Friedrichsruhe</p>		