

Peiseler 5th Wheel

The, from professionals called "Peiseler-Rad", 5th wheel is that measurement tool for vehicle testing results without any slipping failures.

The rotation of the wheel is measured by a electronical pulse transducer which generates a square-wave signal. Therefore are different transducers available which generate 100, 500, 1000 or 2000 pulses/rev without any delay.

The 5th wheel works on worst environmental conditions like e.g. extreme temperatures, snowfall or rain with puddle formation and provides most exactly measurement results - not depending of the material or the quality of the test track.

- Measuring without slipping
- Independent of environmental conditions
- Independent of street conditions
- Sturdy and weather-resistant
- Easy mounting and fast setup time



Description

For mounting the wheel on the test vehicle there are several mountings available. All of the mountings can be used with all versions of the 5th wheel and allow using the 5th wheel on many different types of vehicles. With all mountings you can drive backwards without any problems - without changing the adjustment of the mounting on the vehicle.

Mounting



With the swivelling suction mounting the 5th wheel can be fixed on the car body in a safe way.



The linkage for the trailer hitch can be switched upwards and locked - for longer reverse driving.



Optimized suction holder

Other mountings are available on request.

Peiseler 5th Wheel

Peiseler 5th Wheel - 28"

This is the most used version in standard design. It is equipped with a angular gear which provides that one rotation of the wheel comply with 1m distance exactly. The pulse transducer is mounted on the standard interface (DIN-KR).



Technical data

Wheel size:	28 Zoll (28 x 1¼ x 1¾)
Wheel circumference:	2,16 m
Transmission ratio:	1:2,16
Air pressure:	5 bar / 72,52 psi
Pulse transducer conn.:	Threads DIN-KR with downthrust 1 rev/m
Weight:	ca. 8,5 kg / 18,74 lbs

Peiseler 5th Wheel - 20"

This version is specially made for braking tests with wheel locking and car skidding. The construction allows the 5th wheel to rotate 360 degree in vertical axis. Therefore the wheel do not block and there is no damage on the vehicle or the 5th wheel. The pulse transducer, which is mounted directly on the wheel hub, provides 2000 pulses per revolution.



The linkage on the vehicle can be made individually, depending on customer or technical preferences. We will be pleased to advise you about the options.

Technical data

Wheel size:	20 Zoll (28 x 1,75)
Length (opened):	156 cm
Length (closed):	100 cm
Height (over all):	115 cm
Weight:	ca. 15 kg
Pulse transducer:	2000 pulses/rev
Power supply:	6-26 VDC, 60 mA