

7.1.1. Forward detection range

The manufacturer shall declare the forward detection range measured from the forward most point of the vehicle. This declared value shall be at least 46 metres **for a specified maximum speed of 60 km/h.**

A specified maximum speed above 60 km/h shall only be declared by the manufacturer, if the declared forward detection range fulfils the corresponding minimum value according the following table based on deceleration of 5m/s²:

<i>Specified maximum speed / km/h</i>	<i>Minimum forward detection range / m</i>
0...60	46
70	50
80	60
90	75
100	90
110	110
120	130
130	150

For values not mentioned in the table, linear interpolation shall be applied.

It is recognized that the minimum forward detection range and vehicle deceleration of 5m/s² cannot be achieved under all conditions (e.g on slippery roads). The system shall implement control strategies to adapt its maximum speed due the actual detection range and the actual deceleration capability to comply with paragraph 5.2.4. Those strategies shall be demonstrated and approved by the Technical Service.

The Technical Service shall verify that the distance at which the vehicle sensing system detects a road user during the relevant test in Annex 5 is equal or greater than the declared value.