

Function

When fitted in conjunction with a toothed sensing ring (pole wheel), the passive **Wheel Speed Sensor** supplies the ECU of the vehicle's ABS/EBS with precise wheel speed information.

The Wheel Speed Sensor is available in various cable lengths and is supplied with a standard two pin socket for connection directly to the brake module or to a sensor extension cable see:

PD-272-010 Y095697 Cables for Trailer ABS

PD-272-020 Y107795 Cables for Trailer EBS (TEBS4)

PD-272-025 Y142784 Cables for Trailer EBS (TEBS G2)

PD-272-050 Y464351 Cables for Trailer EBS (iTEBS)

The Wheel Speed Sensor is held in the mounting hole on the axle by the sensor bush. When fitting a new sensor always fit a new bush.



Note:

The bush may not be supplied with the sensor (see table below).

Technical Features

Operating Temperature Range:

Speed Sensor -40 °C to +160 °C

Cable -40 °C to +160 °C

Plug -40 °C to +80 °C

Range Overview

Part No.	Type No.	Length [m]	90° Sensor	Straight Sensor	Bush and Grease
K144126N49	-	0.4	✓		
K144128N49	-	1.0	✓		
K144294N49	-	1.5	✓		
K144129N49	-	2.0	✓		
K144126K50	-	0.4	✓		✓
K144128K50	-	1.0	✓		✓
K144294K50	-	1.5	✓		✓
K144129K50	-	2.0	✓		✓
K145032N49	-	0.3		✓	
K145033N49	-	1.0		✓	
K145066N49	-	1.7		✓	
K145087N49	-	2.0		✓	
K145032K50	-	0.3		✓	✓
K145033K50	-	1.0		✓	✓
K145066K50	-	1.7		✓	✓
K145100K50	-	2.5		✓	✓

Other versions may be available.

Additional Parts:

Sensor Bush:

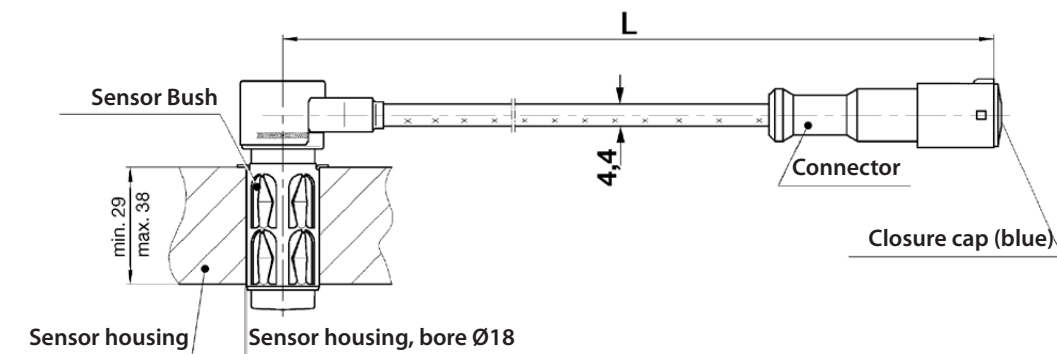
Stainless steel K115645²⁾

Assembly Grease: I90693

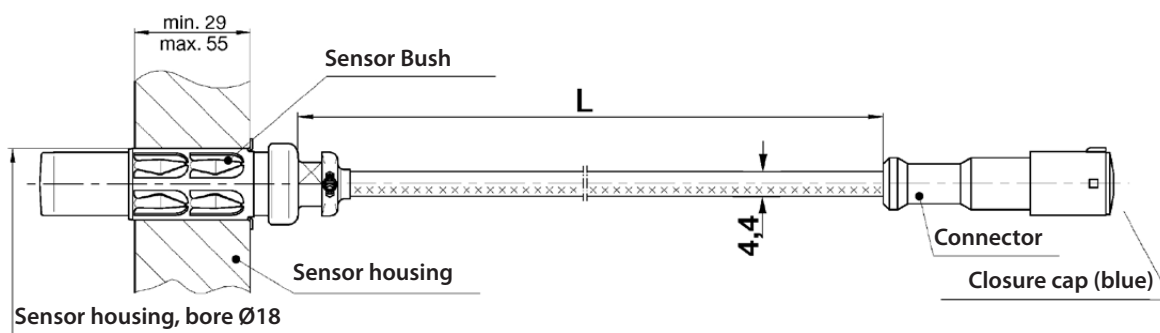
2) Will carry the suffix N00 which denotes that it is supplied without packaging.

Dimensions

90° Sensor



Straight Sensor



Installation

The Wheel Speed Sensor must be inserted into a suitably sized housing using a Sensor Bush and the correct grease. The cable must be supported to prevent damage with suspension and steering movement.

Note:

The head of the Wheel Speed Sensor may be immersed in oil.

Servicing

Wheel Speed Sensors are not serviceable.

Revision Details

Rev. 006	November 2021	Deleted part number and note on page 1
Rev. 007	June 2023	Information for iTEBS added

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Note

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