



# *Quick Guide for Fast Access to Target Data with Wheel Alignment Online App*

GSP/ORD  
2023  
Valid until revoked

**Mercedes-Benz**  
Das Beste oder nichts.



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# *Usage of the Quick Guide and Legal Information.*

## Contents of the Quick Guide

This Quick Guide is structured as easily as possible to find the information you need. It shows the necessary steps for using the [Wheel Alignment Online App \(WAO App\)](#) for workshop employees.

Within the document, you can navigate between chapters and topics using the links provided (indicated by the blue underlines).

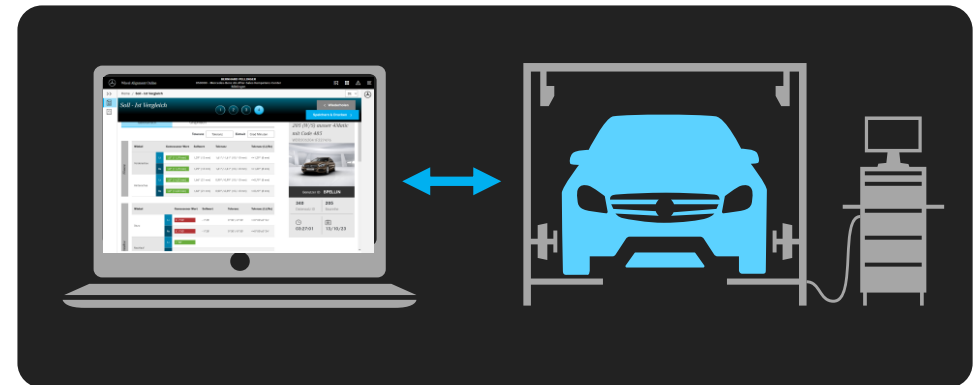
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# *Wheel Alignment with Wheel Alignment Online app: Quick Access to the current Target Values with the VIN/FIN*

- With the [Wheel Alignment Online App](#), you can quickly and conveniently find the actual target data for the individual vehicle you are currently working on. No time-consuming search for several steps according to series, model type model, etc. Entering the VIN is sufficient to be able to enter the actual data of the vehicle immediately.
- [Wheel Alignment Online App](#) responds automatically with the required target data, tolerances and measuring instructions for the specific vehicle (always latest and up-to-date data on all new model series from 2020).
- The [Wheel Alignment Online App](#) can already be used by all WIS users via the XENTRY Portal.

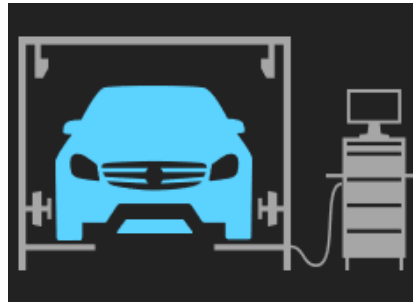
Intuitively and quickly find the current target data for your vehicle on the wheel alignment lifting platform!



# Use Case and Prerequisites; Start Wheel Alignment Online App

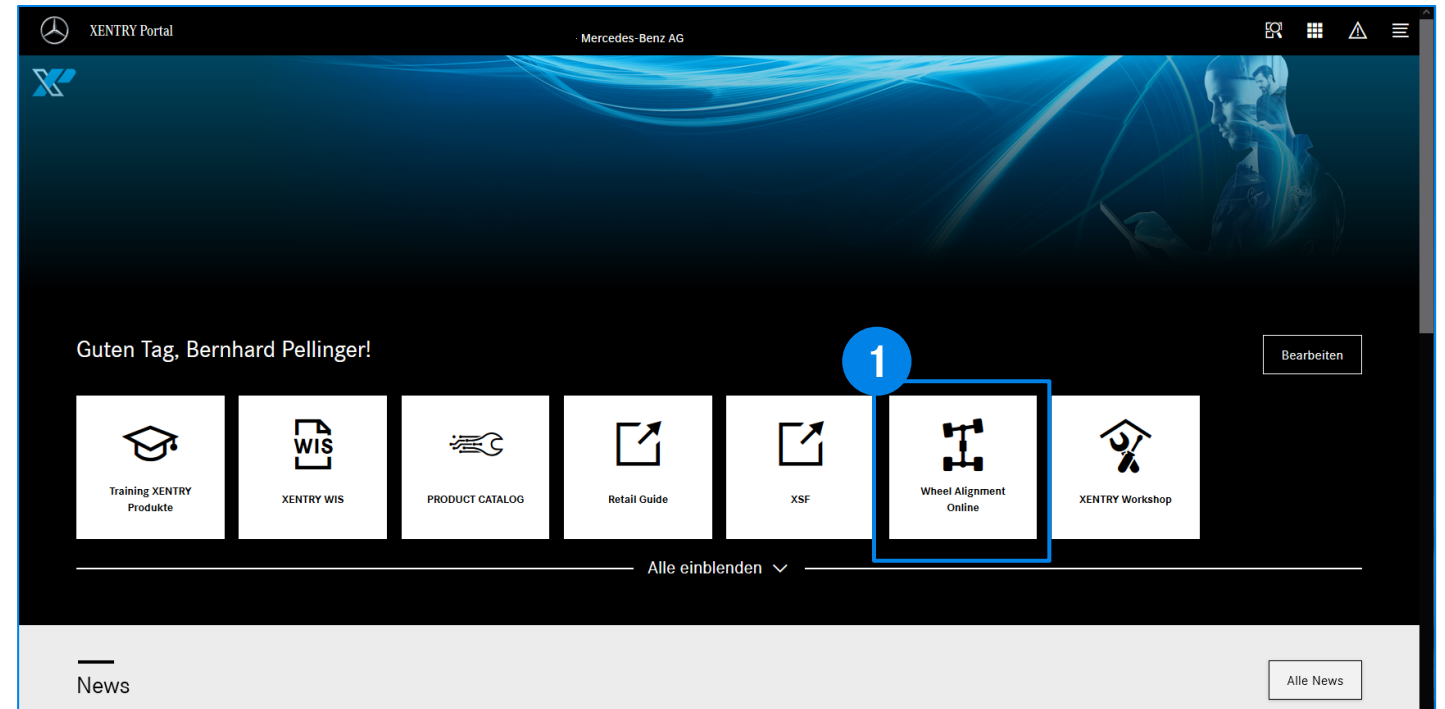
## Use case and prerequisites

"Wheel alignment" use case: The vehicle is on the lifting platform, the actual values of the suspension have already been recorded => the specified suspension values are required.



**Prerequisites:** Access to XENTRY Portal + XENTRY-WIS rights

Have the VIN ready!



1

In XENTRY Portal or B2B Connect: Start the [Wheel Alignment Online App](#) by clicking on the app tile.

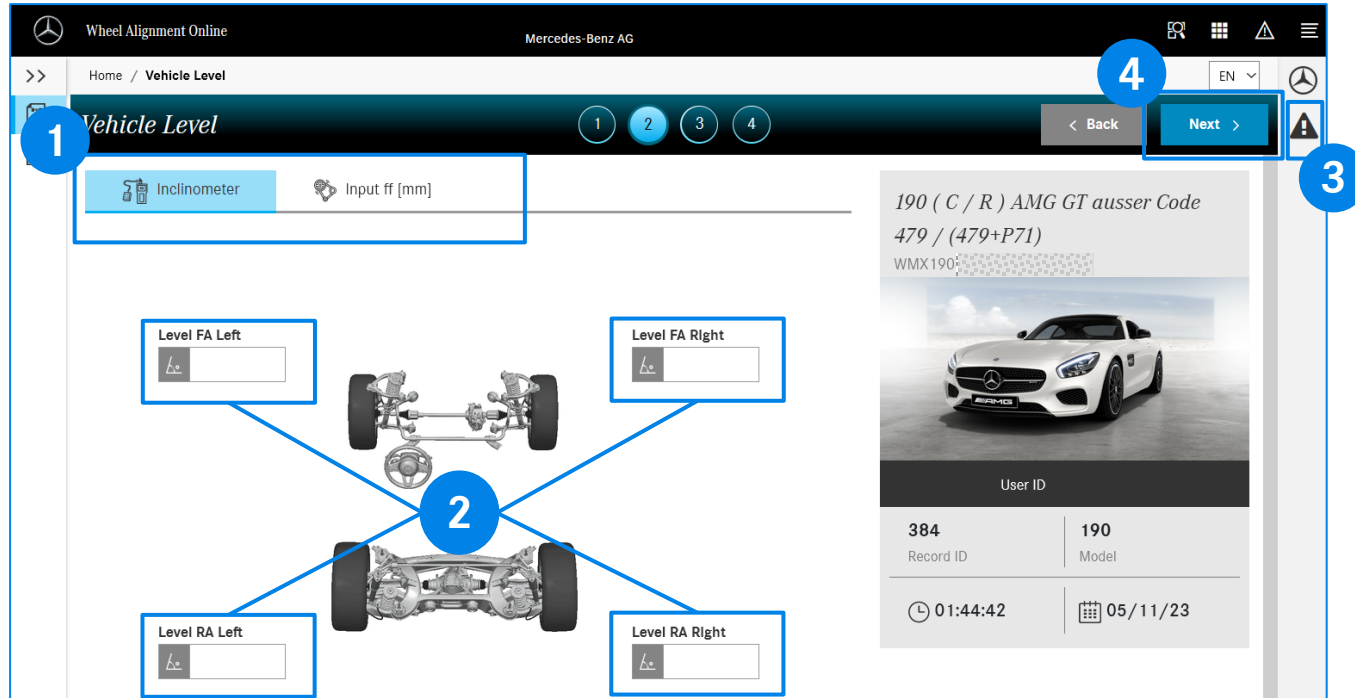
2) Necessary steps for wheel alignment with Wheel Alignment Online app (WAO App)

## *Step 1: Enter VIN or Search Using Record ID and Model Type ID*

The screenshot displays the 'Vehicle Identification' screen of the Mercedes-Benz Wheel Alignment Online app. The interface includes a top navigation bar with the Mercedes-Benz logo, 'Wheel Alignment Online', and 'Mercedes-Benz AG'. Below this is a breadcrumb trail 'Home / Vehicle Identification' and a language selector 'EN'. A progress indicator at the top shows four steps, with the first step '1' highlighted. The main content area features a radio button labeled 'Vehicle Identification Number (VIN)' which is selected. Below the radio button is a text input field with the placeholder 'Please enter the VIN of the vehicle' and a search icon. The text 'WMX190' is entered into the field. A 'Next >' button is located at the bottom right of the form. A blue dashed line is present on the right side of the screen.

- 1 Enter the FIN/VIN in the "Vehicle Identification Number (VIN)" field.
- 2 By clicking on "Next", the WAO App identifies the vehicle and starts processing step 2.

## Step 2: Enter Actual Values for the Vehicle Level




**Note:** The displayed vehicle graphic with the vehicle model and delivery color additionally serves to ensure that the FIN/VIN has been entered correctly. If there is no graphic for the specific vehicle, a symbol image is displayed.

1 Select the metrics for your actual input values: "Inclinometer" (input in degrees/minutes) or "Input ff [ mm]" (input in mm)

2 Enter the previously measured actual values in the fields "Level FA Left", "Level FA Right", "Level RA Left", "Level RA Right".  
Example for input in degrees/minutes: -2,1  
Example for entry in mm: 11,33

In the case of invalid input values, the WAO App already provides a note during input and doesn't accept the value entered.



3 Symbol for the Measure Notes:  Please read and follow the Measure Notes. In the example here: "Select suspension mode Sport" because it is a vehicle with a special suspension.

4 Click "Next" to request the target values for the actual values entered (step 3).

# Step 3: Enter Actual Values for Camber, Caster and Toe

The screenshot displays the 'Suspension Specification' screen in the WAO App. The interface is divided into two main sections: 'Level' and 'Rear Axle'. The 'Level' section contains a table with columns for Angle, Actual Value, Set Point, Tolerance, and Tolerance (Le/RI). The 'Rear Axle' section contains a table with columns for Angle, Actual Value, Set Point, Tolerance, and Tolerance (Le/RI). The 'Actual Value' column in both tables has input fields for 'Le' and 'Ri' values. The 'Compare Deviation' button is highlighted in blue, and the 'Tolerance' dropdown menu is also highlighted in blue. The 'Set Point' and 'Tolerance' columns show target values and tolerance intervals.

Level	Angle	Actual Value	Set Point	Tolerance	Tolerance (Le/RI)	
Level	Front Axle	Le	XD-2,0° (11,33 mm)	-2,87° (5 mm)	0,69°/-0,69° (5/-5 mm)	<=0,69° (5 mm)
		Ri	D-3,0° (4,06 mm)	-2,87° (5 mm)	0,69°/-0,69° (5/-5 mm)	<=0,69° (5 mm)
	Rear Axle	Le	6,0° (8,34 mm)	6,18° (10 mm)	0,56°/-0,56° (5/-5 mm)	<=0,56° (5 mm)
		Ri	6,2° (10,15 mm)	6,18° (10 mm)	0,56°/-0,56° (5/-5 mm)	<=0,56° (5 mm)

Rear Axle	Angle	Actual Value	Set Point	Tolerance	Tolerance (Le/RI)
Camber	Le	-1,9	-1°52'	0°10'/-0°10'	<=±0°10'
	Ri	-2,1	-1°50'	0°10'/-0°10'	<=±0°10'
Caster	Le	2,1			
	Ri	2,3			
Toe	Le	0,19	0°07'	0°04'/-0°04'	<=0°07'
	Ri	0,06	0°07'	0°04'/-0°04'	<=0°07'

- 1 In step 3" Suspension Specification ", the WAO App indicates whether the actual values entered for the vehicle level are **within the tolerance interval** (green) or **outside the tolerance interval** (red). The "Set Point", "Tolerance" and "Tolerance (Le/RI)" columns show the target values and the tolerance intervals.
- 2 For "Tolerance", select the type of display of the tolerance values.  
 "Tolerance": Maximum deviation +/- around the specified value  
 "Min/max": Absolute min/max specified values.
- 3 Enter the actual values for camber, caster and toe for the rear and front axles.  
 For some vehicle models, actual values are also required for the camber plates on the transverse control arms on both axles on the right and left.
- 4 After entering ALL required actual values, click on "Compare Deviation".



# Step 4: Compare Target/Actual Deviations

The screenshot shows the 'Deviation Comparison' screen in the Wheel Alignment Online App. The vehicle is identified as a Mercedes-Benz 190 (C/R) AMG GT. The interface includes a navigation bar with steps 1, 2, 3, and 4. Step 4 is active, showing a table of alignment data. The table has columns for Angle, Actual Value, Set Point, Tolerance, and Tolerance (Le/Rl). The 'Actual Value' column shows values like XD-2,0° (11,33 mm) in red (outside tolerance) and 6,0° (8,34 mm) in green (within tolerance). A 'Repeat' button and a 'Save & Print >' button are visible. A zoomed-in view of the 'Actual Value' column is shown with callout 1, and a zoomed-in view of the 'After Adjustment' column is shown with callout 4.

Level	Angle	Actual Value	Set Point	Tolerance	Tolerance (Le/Rl)
Front Axle	Le	XD-2,0° (11,33 mm)	-2,87° (5 mm)	0,69°/-0,69° (5/-5 mm)	<=±0,69° (5 mm)
	Ri	D-3,0° (4,06 mm)	-2,87° (5 mm)	0,69°/-0,69° (5/-5 mm)	<=±0,69° (5 mm)
Rear Axle	Le	6,0° (8,34 mm)	6,18° (10 mm)	0,56°/-0,56° (5/-5 mm)	<=±0,56° (5 mm)
	Ri	6,2° (10,15 mm)	6,18° (10 mm)	0,56°/-0,56° (5/-5 mm)	<=±0,56° (5 mm)

Angle	Actual Value	Set Point	Tolerance	Tolerance (Le/Rl)	
Camber	Le	XD -2°30'	-1°52'	0°10'/-0°10'	<=±0°10'
	Ri	XD -2°10'	-1°50'	0°10'/-0°10'	<=±0°10'
Caster	Le	2°10'			
	Ri	2°30'			
Le	XD 0°19'	0°07'	0°04'/-0°04'	<=±0°07'	

Tolerance (Le/Rl)	After Adjustment
9° (5/-5 mm) <=±0,69° (5 mm)	XD-2,1° (10,61 mm)
9° (5/-5 mm) <=±0,69° (5 mm)	D-3,1° (3,33 mm)
6° (5/-5 mm) <=±0,56° (5 mm)	6,0° (8,34 mm)
6° (5/-5 mm) <=±0,56° (5 mm)	6,0° (8,34 mm)

Tolerance	Tolerance (Le/Rl)	After Adjustment
0°10'/-0°10'	<=±0°10'	<input type="text"/>
0°10'/-0°10'	<=±0°10'	<input type="text"/>

- 1 In step 4 "Deviation Comparison", the WAO App shows whether the actual values entered for camber, caster and toe for the rear and front axles are within the tolerance interval (green) or outside the tolerance interval (red). The columns "Set Point", "Tolerance" and "Tolerance (Le/Rl)" display the target value and the tolerance intervals.
- 2 Clicking on the "Save & Print >" button takes you to a report form in which general data such as "Repair Order No", branch name, customer comment, tire brand and condition can be entered. The entered values can be saved and/or printed.
- 3 If not all values in the "Actual Value" column are within the tolerance range (red): By clicking on the "Repeat" button, you can repeat steps 2-4.
- 4 When entries are made again, the WAO App displays an additional "After Adjustment" column with the last entered values for the vehicle level from step 3.

2) Necessary steps for wheel alignment with Wheel Alignment Online App (WAO App)

# Display Wheel Alignment History

The screenshot displays the 'History' section of the Mercedes-Benz Wheel Alignment Online app. It features a navigation bar, tabs for 'Workshop History' and 'Car History', a search filter for VIN and date, a table of alignment records, and a callout showing a detailed 'Chassis Alignment Test Sheet' report.

Model	VIN	Transaction ID	Data Source	Record ID	File	Date	Time Left
190	WMX190	WA-TRANSID-117273	WAO	384	[PDF Icon]	05/11/23	45h:26m:32s

Data Calculation			
Angle	Actual Value	Set Point	Tolerance
RA Level Ls	00°-2'3" (11.93 mm)	-2°00' (0 mm)	0°00' / -0°00' (0 / -0 mm)
RA Level Rs	00°-3'0" (16.50 mm)	-2°00' (0 mm)	0°00' / -0°00' (0 / -0 mm)
RA Level Lc	6°-5' (9.24 mm)	6°18' (10 mm)	0°00' / -0°00' (0 / -0 mm)
RA Level Rc	6°-5' (10.15 mm)	6°18' (10 mm)	0°00' / -0°00' (0 / -0 mm)
RA Camber Ls	00°-2'00"	0°00'	0°00' / -0°00'
RA Camber Rs	00°-2'00"	0°00'	0°00' / -0°00'
RA Center Ls	2°10'		
RA Center Rs	2°00'		
RA Total Toe	0°14'	0°04' / -0°04'	
RA Toe Ls	0°01'	0°04' / -0°04'	0°00'
RA Toe Rs	0°03'	0°04' / -0°04'	0°00'
Thrust Angle	0°00'	0°04' / -0°04'	

- 1 The "History" area shows you the stored wheel alignment measurements for your workshop.
- 2 By clicking on "Workshop History", the alignment processes can be filtered based on the date and/or VIN/FIN.
- 3 The "Car History" filter option shows you all saved measurement procedures of your workshop for a VIN/FIN.
- 4 Clicking on the button [PDF icon] displays the report of the measurement process with the saved values for initial measurement and final measurement as a PDF document.
- 5 Measurement processes within a time window of 48h are displayed with the remaining time window (green) for continuation of the measurement process. All other processes have been completed and cannot be changed.