



Product Information

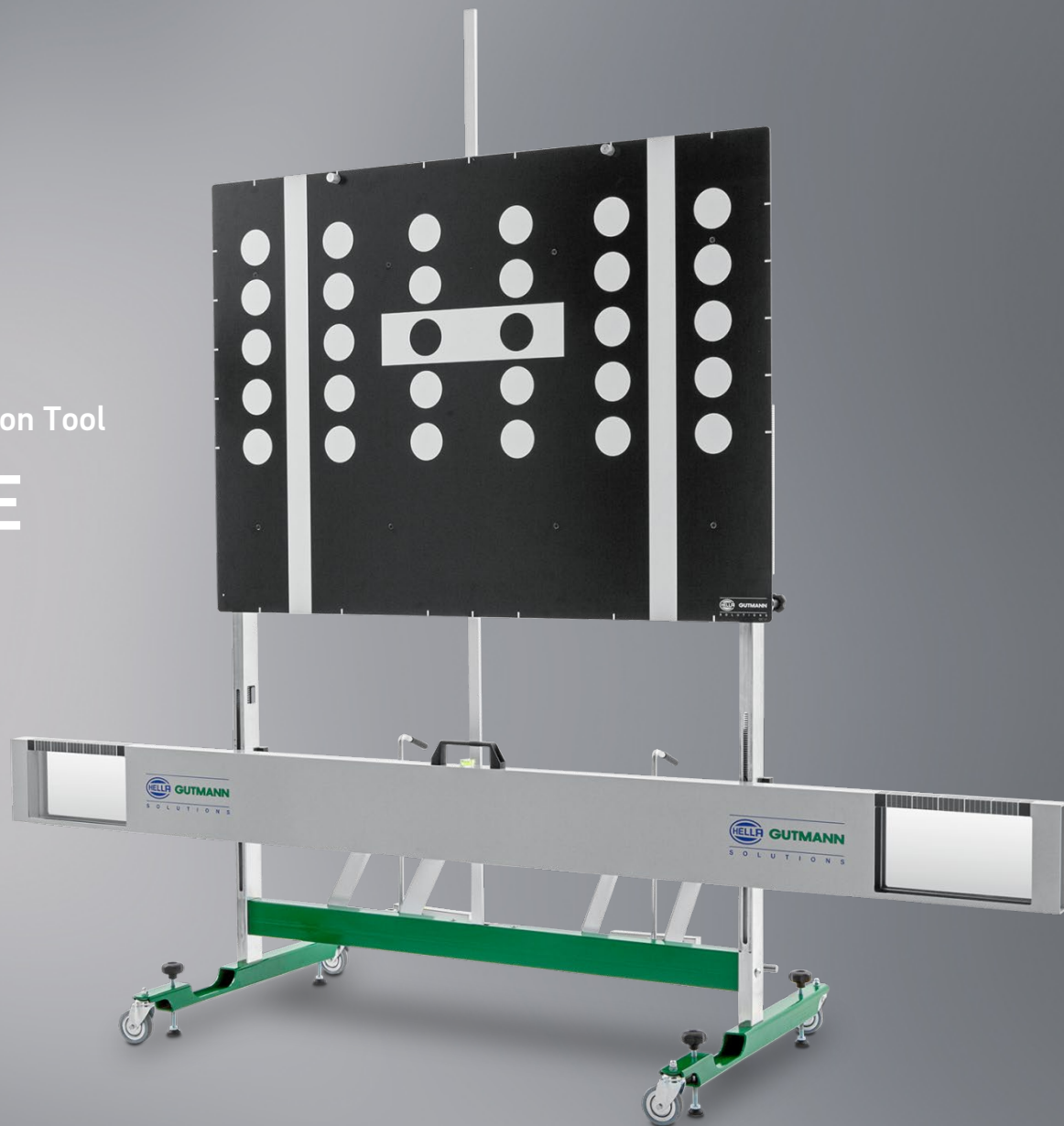
CSC-Tool SE

Hella Gutmann Solutions

Camera- and Sensor Calibration Tool

CSC-TOOL SE

Second Edition



CSC-TOOL SE

AGENDA

1. Introduction
2. Target groups, markets & product launch
3. Comparison of CSC-Tool 1st generation and CSC-Tool SE
4. Overview functions within the whole CSC portfolio
5. Delivery content CSC Tool SE + wheel alignment module SE
6. Component designations
7. Specifications
8. Selection in mega macs software
9. Dimensions, weight and packaging
10. FAQ

CSC-TOOL SE INTRODUCTION

The CSC Tool SE (Second Edition) replaces the existing CSC Tool with immediate effect. The mobile CSC tool remains unchanged in its variant.

We have incorporated the market feedback from recent years into the CSC-Tool SE. For example, the larger swivel castors make everyday workshop work much easier. At the heart of the tool is the new cross member, which can now be infinitely adjusted by just one person. The reflection mirrors are pre-adjusted even more precisely, this technical change is a prerequisite for later connection to an analogue wheel alignment system.

This means: If a workshop wishes to combine the calibration tool with a Koch wheel alignment system at a later date, the CSC-Tool SE is the prerequisite for this. We will focus on this connection together with the Koch company in the coming months. The mirrors were also integrated into the mirror beacons for protection.

The CSC-Tool SE can be ordered immediately and can be delivered from the end of April. Please note the price adjustments and the new type. number. Attention: The wheel alignment modules SE must be ordered optionally with the CSC-Tool SE. The CSC-Tool SE consists in the basic equipment of the basic carrier incl. cross member and the VAG calibration board.



CSC-TOOL SE

TARGET GROUPS, MARKETS AND PRODUCT LAUNCH

TARGET GROUPS:

- Glass repair shops
- Body repair shops
- Independent workshops / multibrand workshops

MARKETS:



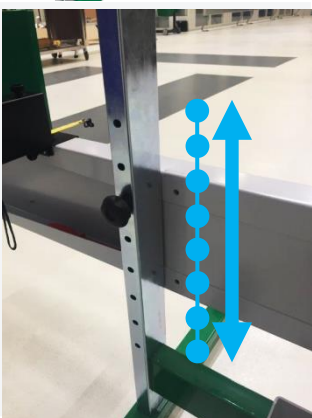
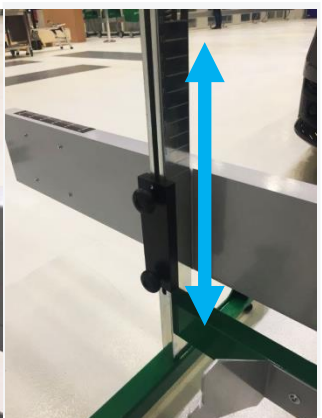
- D, A, CH, UK, IE, DK, NO, SE, FI, NL, BE, LU, ES, PT, FR, IT, PL, HU, CZ, RO, SK, GR, TR, AU, AE

PRODUCT LAUNCH:

- Launch: Q2 / 2020
- Software update: from SV 59

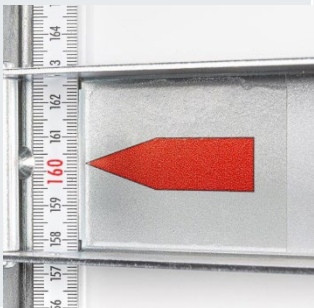
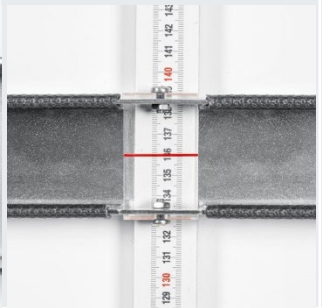


CSC-TOOL SE

COMPARISON OF CSC-TOOL 1ST GENERATION AND CSC-TOOL SE

CSC-Tool	CSC-Tool SE	reflection mirror & alignment bar
		<p>Mirrors integrated in the cross member provide greater protection against impacts. More precise mounting of the mirrors allows a future extension with an axle alignment function (more precise reflection of the laser beam on the scales of the wheel alignment modules SE).</p>
		<p>Continuous and spring-supported height adjustment of the cross member. The height of the cross member can now be adjusted by a single person. By adding 10 cm to the maximum height setting, vehicles with larger wheels (SUVs) can also be calibrated.</p>


CSC-TOOL SE

COMPARISON OF CSC-TOOL 1ST GENERATION AND CSC-TOOL SE

CSC-Tool	CSC-Tool SE	height indicator & parking position measuring rod
		<p>More precise reading during height adjustment with the height indicator. Greater accuracy of cursor positioning during manufacturing process.</p>
		<p>More user-friendly and faster parking position for the height measuring rod. All the user has to do is lift the measuring rod and let it fall into the parking position.</p>





CSC-TOOL SE

COMPARISON OF CSC-TOOL 1ST GENERATION AND CSC-TOOL SE

CSC-Tool	CSC-Tool SE	base supports & swivel casters
		<p>The base supports have been equipped with recesses that allow a lower positioning of the angular adjustment plate EVO (part of the Radar Kit I EVO) for vehicles with low ground clearance.</p>
 <p>∅ 50 mm</p>	 <p>∅ 75 mm</p>	<p>The swivel casters are larger in diameter for greater mobility and extra precision when positioning the tool.</p>

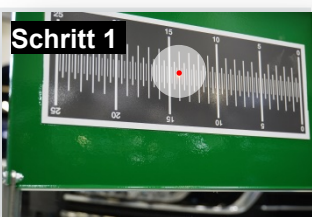
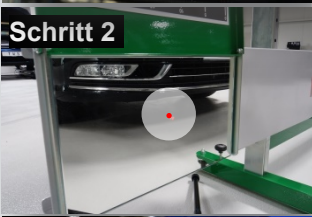
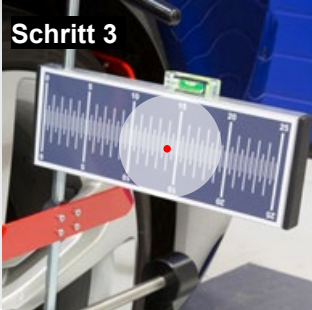
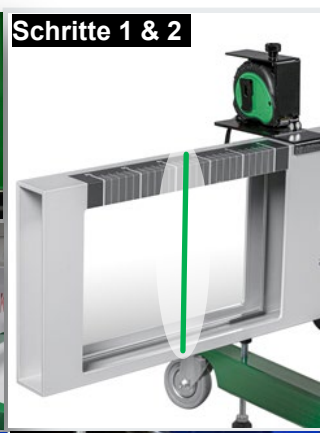
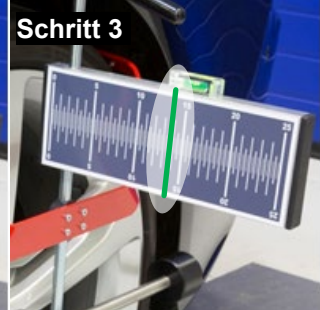
CSC-TOOL SE

COMPARISON OF CSC-TOOL 1ST GENERATION AND CSC-TOOL SE

CSC-Tool	CSC-Tool SE	height measuring rod & edge protectors
		<p>The height measuring rod is now made from synthetic material (as in the CSC-Tool Mobile). This ensures greater flexibility and robustness for intensive use in the workshop environment.</p>
		<p>Several edge protectors have been added for increased safety.</p>

CSC-TOOL SE

COMPARISON OF CSC-TOOL 1ST GENERATION AND CSC-TOOL SE

CSC-Tool	CSC-Tool SE	wheel alignment modules SE with line beam laser
 <p>Schritt 1</p>  <p>Schritt 2</p>  <p>Schritt 3</p>	 <p>Schritte 1 & 2</p>  <p>Schritt 3</p>	<p>The new optional wheel alignment modules SE for the CSC-Tool SE are fitted with green line beam lasers.</p> <p>This allows faster positioning of the CSC-Tool SE in front of the vehicle.</p> <p>The tool can be centered and aligned parallel to the rear axle in just a few steps which significantly increases user comfort.</p>

CSC-TOOL SE

OVERVIEW FUNCTIONS WITHIN THE WHOLE CSC PORTFOLIO

Functions	CSC-Tool	CSC-Tool Mobile	CSC-Tool SE
Front camera calibration	✓	✓	✓
Compatible with front camera reference panels of the CSC-Tool 1st edition	✓		✓
Compatible with front camera reference panels of the CSC-Tool Mobile		✓	
Stepless height adjustment of cross member			✓
Compatible for front radar calibration* with Radar Kit I – CSC 4-01 (discontinued)	✓		✓
Compatible for front radar calibration with Radar Kit I EVO – CSC 4-01 EVO (8PZ 010 624-951 system mount + 8PZ 010 624-941 angular adjustment plate EVO)	✓	✓	✓
Compatible for laser sensor calibration with 8PZ 010 624-951 system mount + CSC 5-01 laser sensor reference panel	✓	✓	✓
Transportable for mobile use		✓	
New optional wheel alignment modules SE with line laser pointers			✓
Possibility to add wheel alignment function in the future			✓

* limited vehicle compatibility

CSC-TOOL SE

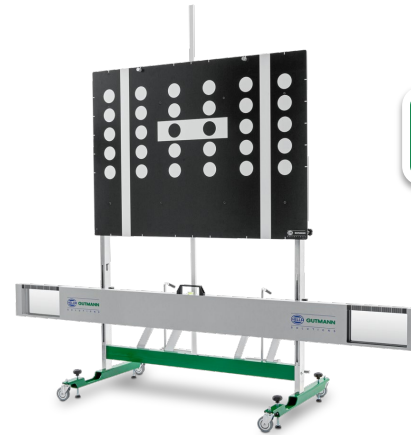
CSC-TOOL SE + WHEEL ALIGNMENT MODULES SE

CSC-Tool SE

Delivery contents

CSC panel frame including VAG reference panel

- Base carrier (2 pcs.) with swivel castors
- cross members with mirrors & scales
- Measuring rod for height adjustment (2000 mm)
- Mounting kit
- Assembly instructions
- Multilingual operating instructions (printed version)
- Packaging unit (transport box incl. pallet and outer carton)



Art. no. 8PD 015269-101

Wheel alignment module SE

Delivery contents

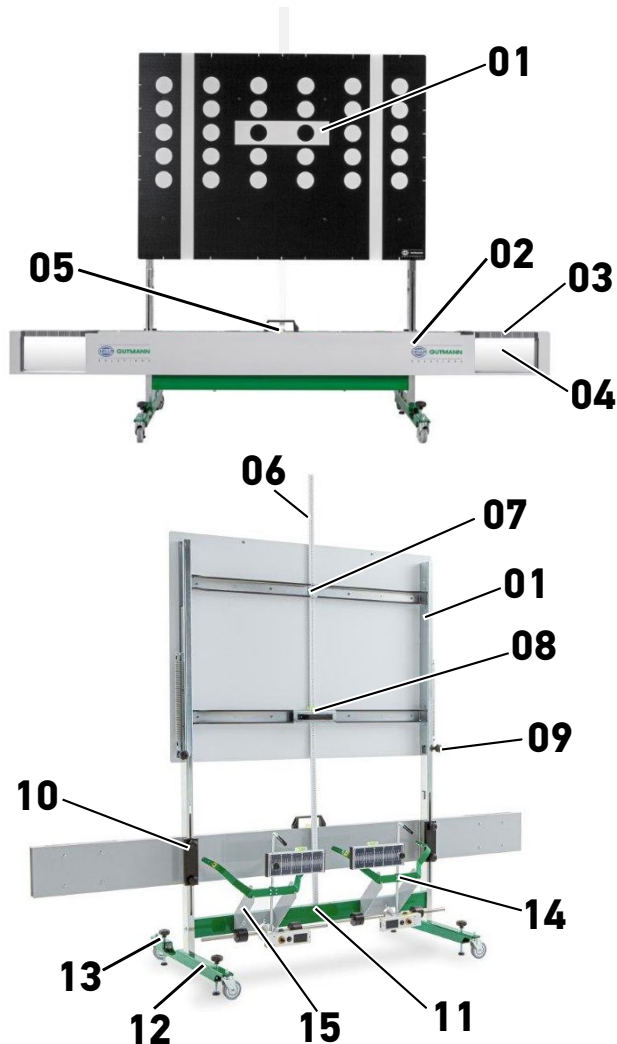
- wheel alignment modules SE (2 pcs.) with green line beam lasers and holder (2 pcs.)



Art. no. 8PZ 015269-131

CSC-TOOL SE

COMPONENT DESIGNATIONS



Pos.	Description
01	CSC panel frame + VAG reference panel
02	Cross member
03	Scales (x2)
04	Mirrors (x2)
05	Level gauge on cross member
06	Height measuring rod (2000 mm)
07	Height indicator of reference panel
08	Level gauge of panel frame
09	Hand screws (x2) for height adjustment of reference panel
10	Hand screws (x4) for height adjustment of cross member
11	Parking position for measuring rod
12	Base supports with caster wheels (x2)
13	Hand screws (x4) for levelling the CSC-Tool SE
14	Optional wheel alignment modules SE (x2)
15	Optional mounts (x2) for storing the wheel alignment modules SE

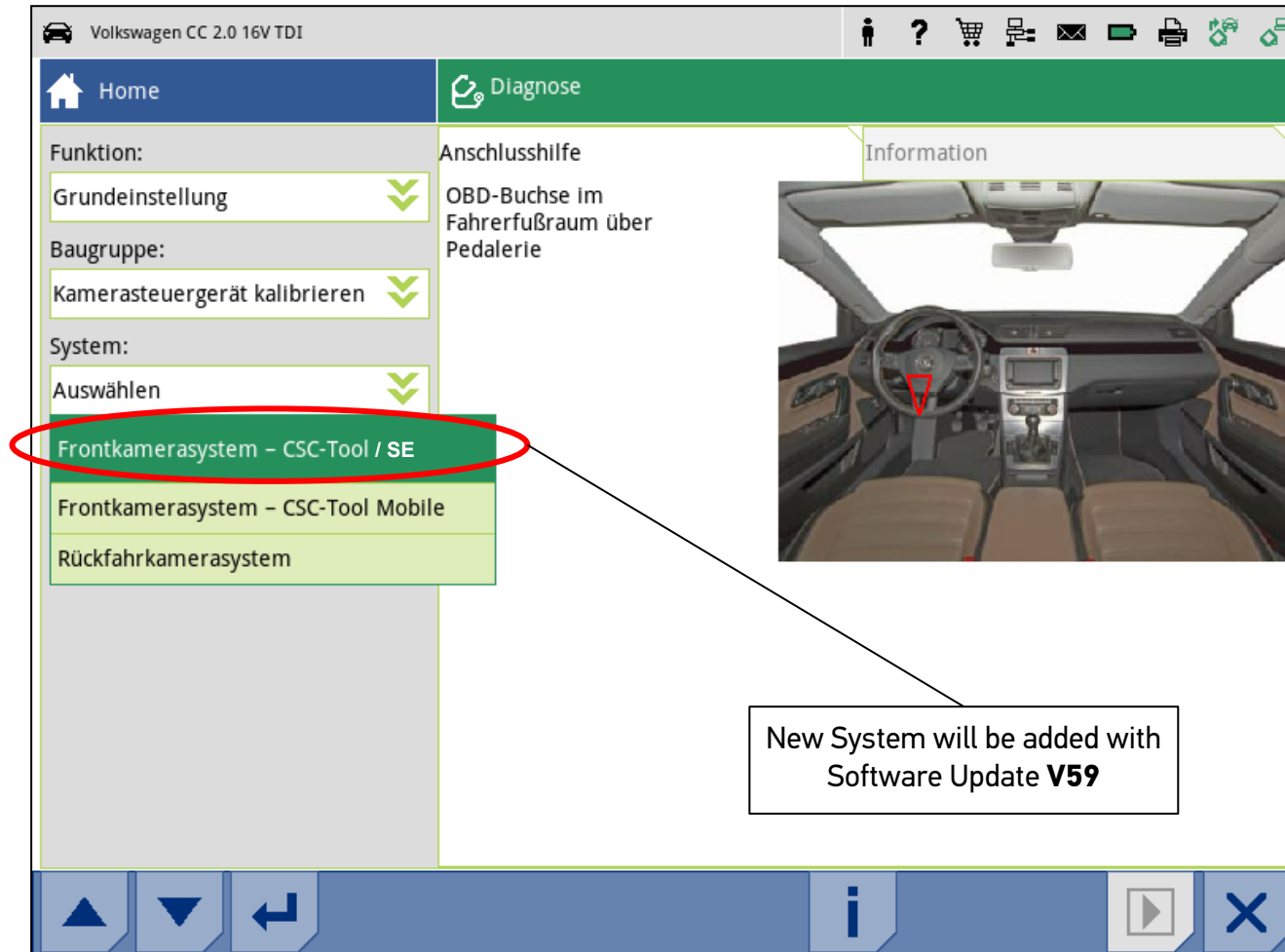
CSC-TOOL SE SPECIFICATIONS



CSC-Tool SE components	Dimensions L x W x H (approx.)	Information	Weight (approx.)
CSC-Tool SE	2500 x 795 x 2175 mm	Assembled unit	51.000 g
CSC panel frame with VAG reference panel	1340 x 105 x 1950 mm		28.000 g
Base support (x2) with caster wheels	795 x 50 x 160 mm		4.000 g (each)
Cross member	2500 x 60 x 250 mm		14.000 g
Measuring rod	2000 x 25 x 10 mm		686 g
Installation set	Pending		900 g
Optional wheel alignment modules SE (WM) (x2)	280 x 215 x 75 mm		4.580 g (each)
Optional WAM mounts (x2)	280 x 195 x 75 mm		1.250 g (each)

CSC-TOOL SE

SELECTING THE CSC-TOOL SE IN THE MEGA MACS SOFTWARE

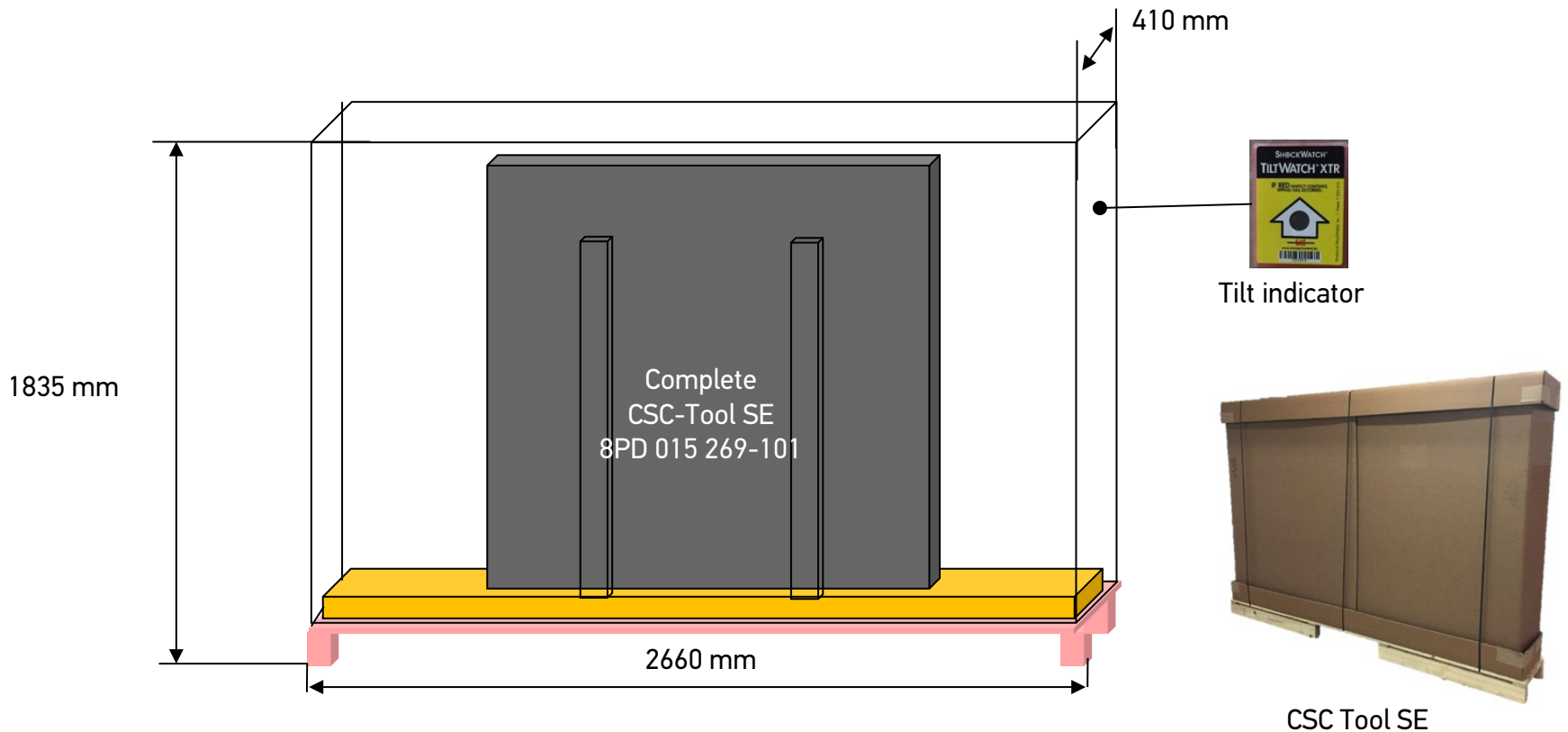


CSC-TOOL SE

DIMENSIONS, WEIGHT AND PACKAGING

CSC-Tool SE weight complete :

CSC panel frame with VAG reference panel, Base support (x2) with caster wheels, Cross member with mirrors & scales, Measuring rod (2000 mm), Installation set = 123,00 kg incl. secondary packaging (alone approx. 45,00 kg)



CSC-TOOL SE

DIMENSIONS, WEIGHT AND PACKAGING

Shipping details	Data
Packaging type	Wooden box/cardboard box with tilt indicator, can be transported with forklift
Dimensions of packaging (approx.)	2660 x 410 x 1835 mm (L x W x H)
Gross weight (approx.)	<ul style="list-style-type: none"> • CSC-Tool SE, 50,0 kg + packing, 73,0 kg = 123,0 kg • Optional wheel alignment modules SE (WAM) (x2) with mounts (x2), 14,5 kg + packing, 1,5 kg = 16,0 kg
Net weight (approx.)	CSC-Tool SE, 50,0 kg Optional WAM (x2) with mounts (x2) + packing = 14,5 kg
EAN	<ul style="list-style-type: none"> • CSC Tool SE: 4082300789485 • Optional WAM (x2) with mounts (x2): 4082300789515
Customs tariff number	CSC Tool SE: 90319000 Optional WAM (x2) with mounts (x2): 90319000
Country of origin	DE

Questions	Answers
Use of reference panels	
Can the reference panels for the CSC-Tool 1st edition also be used for the CSC-Tool SE?	Yes, they are compatible and therefore have the same order numbers.
Can the reference panels for the CSC-Tool Mobile also be used with the CSC-Tool SE?	No, as with the CSC-Tool 1st edition, they are not compatible.
Why do the height specifications for the reference panels deviate from the OEM documentation?	The height specifications for positioning the reference panels deviate from the OEM specifications due to the cross-brand nature of the reference panels. The key factor for a successful calibration is the correct height of the reference panel.
Why do the height specifications for the reference panels differ between CSC-Tool SE and CSC-Tool Mobile?	The height specifications for positioning the CSC-Tool SE reference panels differ from the CSC-Tool Mobile reference panels due to their design (smaller size & foldability).

Questions	Answers
Possible uses	
Which vehicle manufacturers / models can be calibrated?	Like the CSC-Tool & the CSC-Tool Mobile, the CSC-Tool SE is a multi-brand device which can be adapted via manufacturer-specific reference panels. The different applications can be found in the list of covered vehicles.
Is there a difference between the use of the CSC-Tool, the CSC-Tool Mobile and the CSC-Tool SE?	No, the vehicle coverage is identical.
In the mega macs software, is there a difference between the CSC-Tool 1st edition and the CSC-Tool SE?	<p>No, there is no difference in the mega macs software between the CSC-Tool 1st edition and the CSC-Tool SE:</p> <p>As from version 58, the user can select "Front camera system – CSC-Tool" when using the CSC-Tool SE.</p> <p>As from version 59, the software will indicate "Front camera system – CSC-Tool / SE".</p>