

Allvis

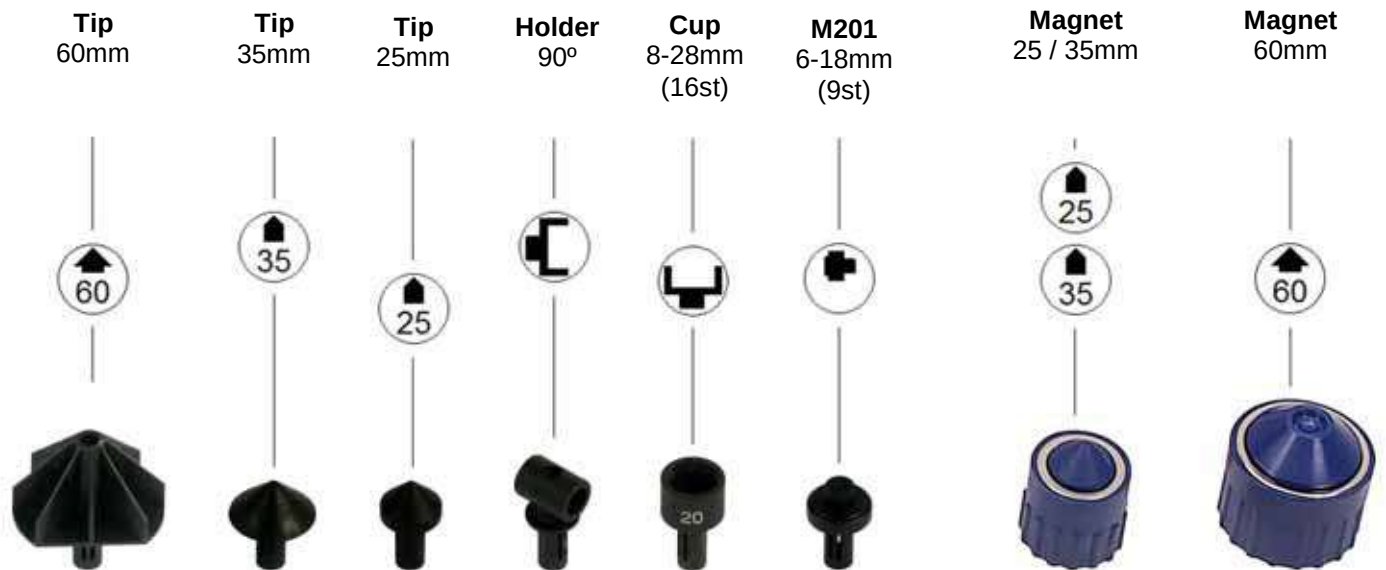
Measuring with data



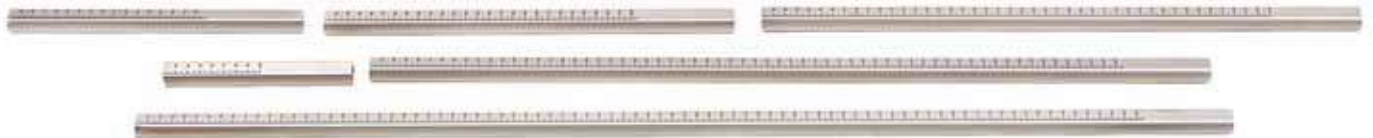
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1.0 – Allvis Parts



Meight measuring rods



Measuring arm



Adapter holder
For short measures
400 – 2150 mm
(Upper body)



Datum Rods
A-F



2.0 – Level control of the vehicle



Level – Side to side



Hold the measuring arm against the pinch weld on both rocker panels. Turn the level to “adjustment mode” and adjust the arm until the bubble is centered.



Turn the measuring arm 180° and hold against both pinch welds.



Lower one of the sides until the water spirit is centered. Check play.

If the play is more than 20mm, adjust the level of the vehicle.

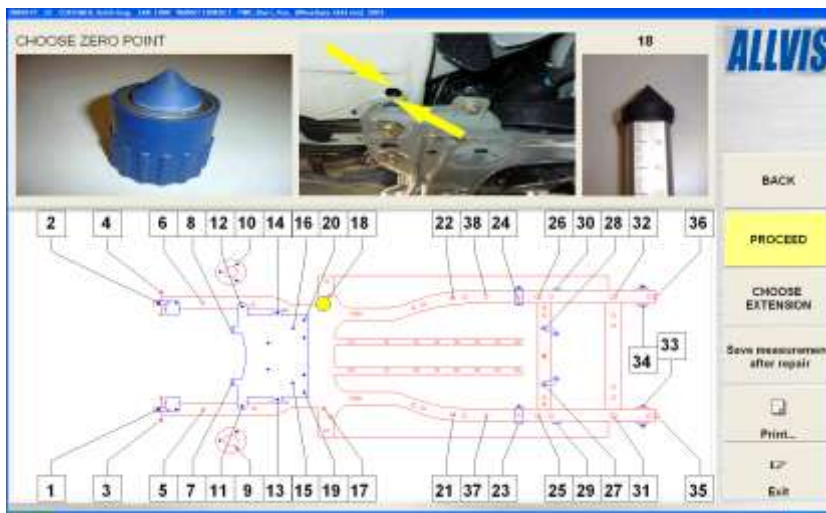
3.0 – Create new work order

Quick guide – Step by step

To be able to measure with datasheets, the following choices need to be made and considered.

Start the Allvis software and create a new order. Select car and fill in the customer details. Select before or after repair and then click on measure.

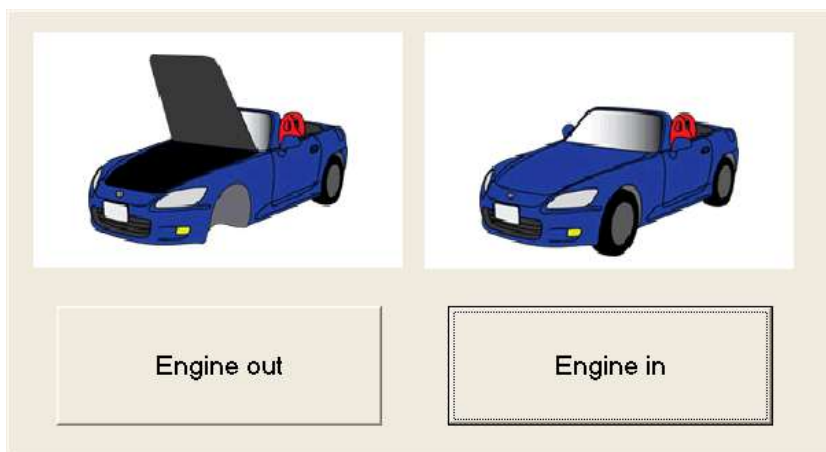
For more information about how this is done, check out our interactive demo.



Choose zero point

Click on one of the numbers to choose zero point and then click on Proceed.

Try to choose an undamaged point.



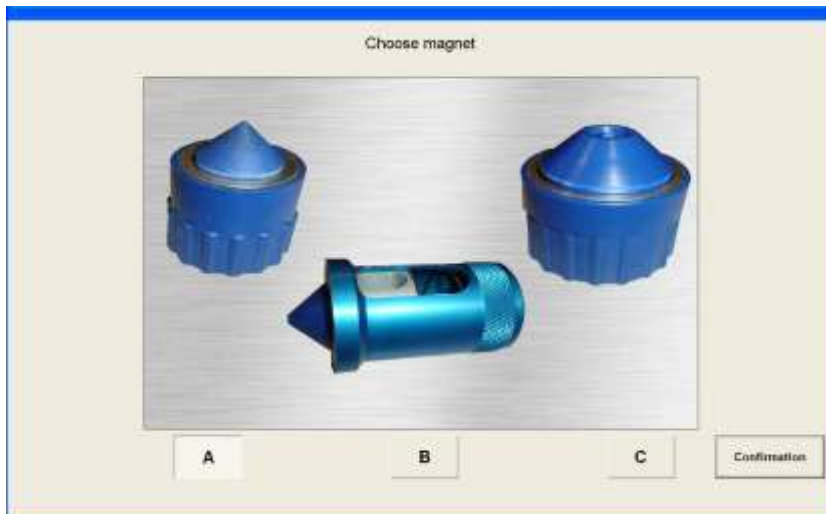
Select engine in or out?

The weight of the engine affects the chassis heights. Therefore, you need to define if the engine is mounted or not.

Note!

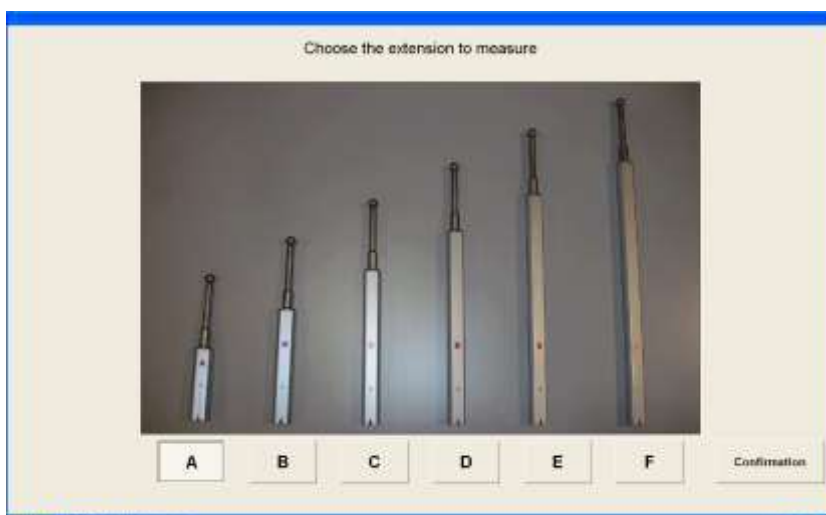
If the vehicle is standing with the weight on the wheels, select "Engine out".

3.1 – Create new work order



Choose magnet

Choose one of the magnets A-C that works best for the selected zero point.

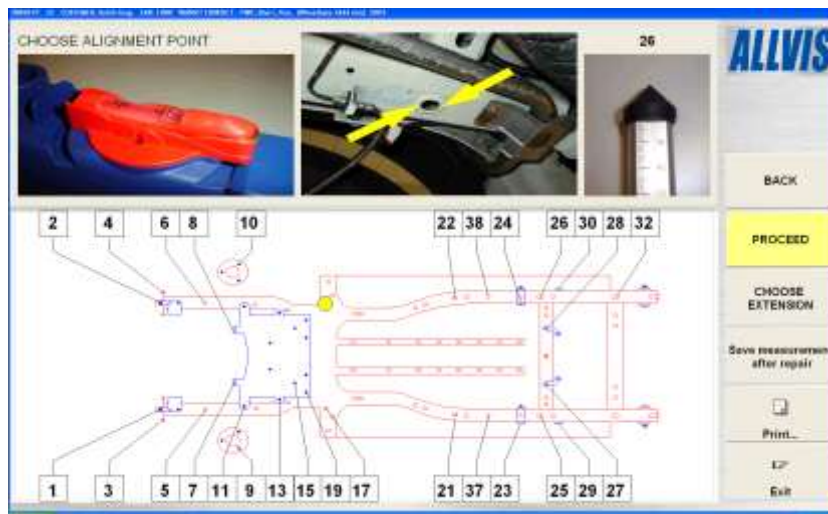


Choose extension

Choose between the extensions A-F so that the measuring arm can move freely under the car.

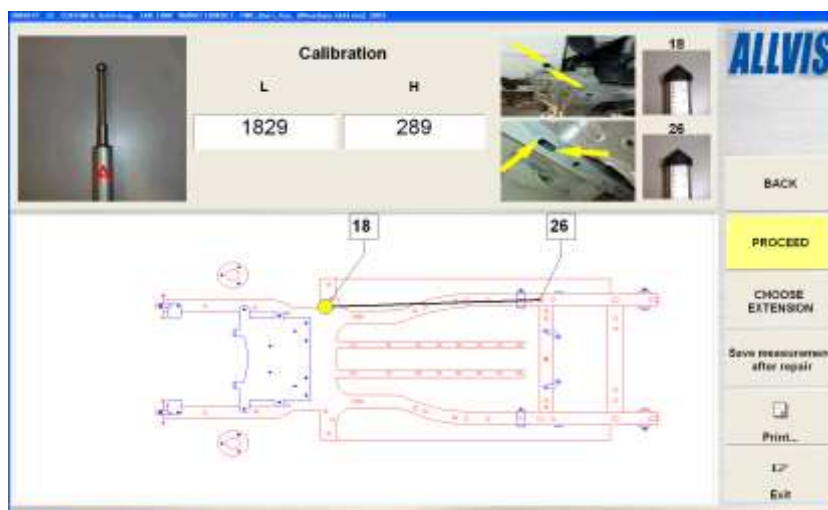
Always choose the shortest possible extension.

3.2 – Create new work order



Choose alignment point

Choose an undamaged point by clicking its number-icon.



Calibration

You get all the information you need to do the calibration.



Your selected extension.

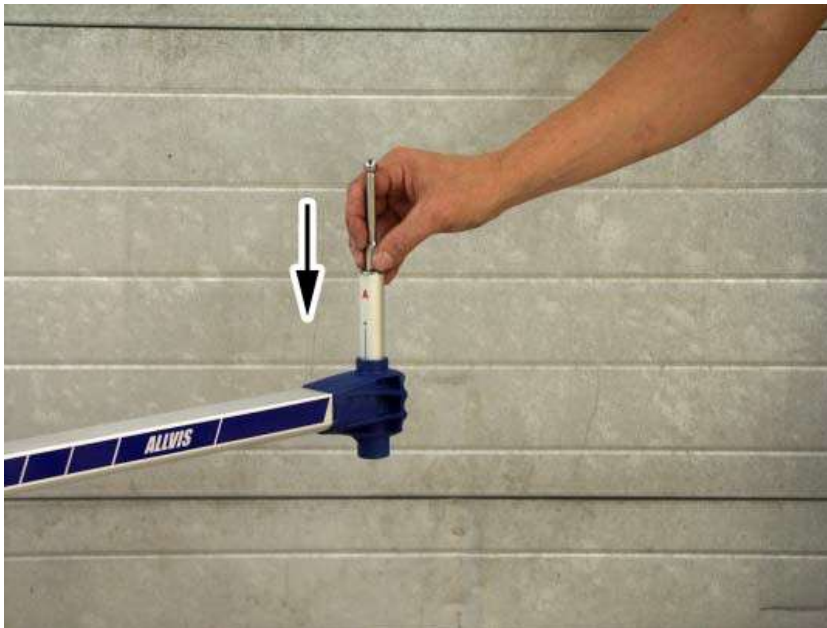
L	H
1594	240

L = Length between magnet point and calibration point.
H = Height for height rod.



Pictures for selected points.

4.0 – Prepare Allvis for height level calibration



Mount extension



Snap on the extension as you selected in the software.

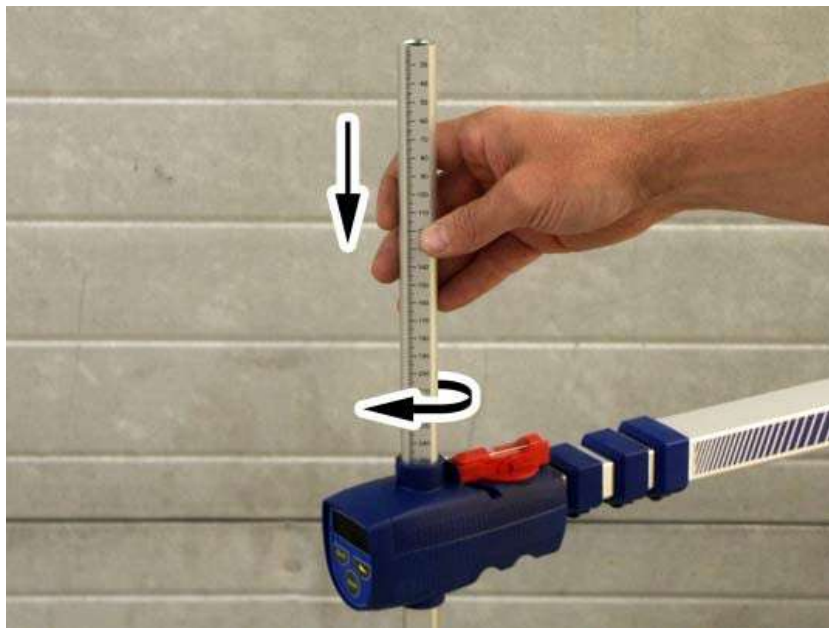


Mount magnet

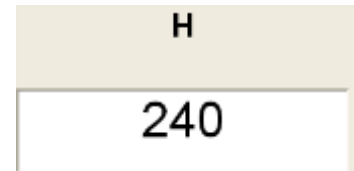


Snap on the magnet as you selected in the software.

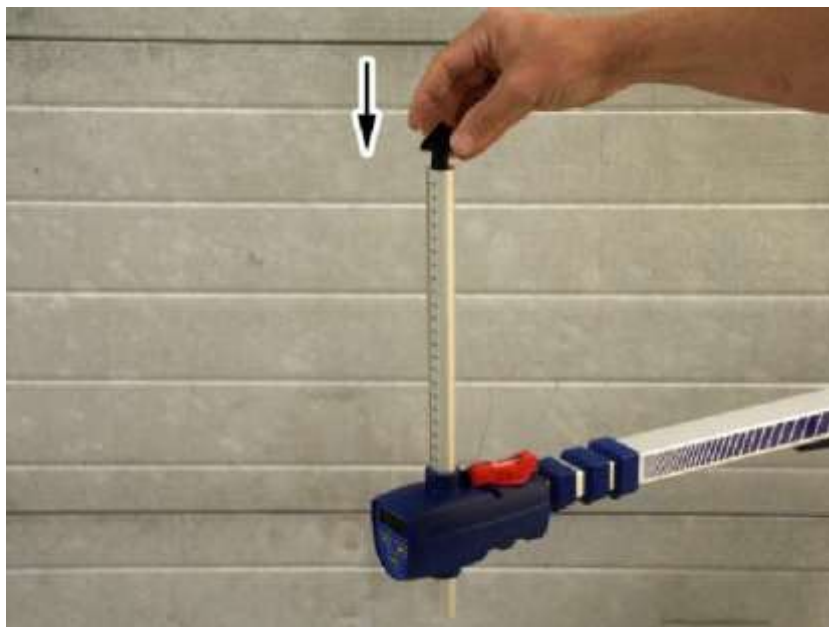
4.1 – Prepare Allvis for height level calibration



Setup height measuring rod



On the calibration page under H, there is information about the height measuring rod setting.



Choose adapter



In the information field for the chosen calibration point, there is a picture of the point and information about which tip to use.

4.2 – Prepare Allvis for height level calibration



Start display



Close the measuring arm before start.

Press  < 1 second to start the display.

5.0 – Mount magnet for height level calibration



Mount the magnet Step by step



Find the magnet point with the information from the calibration page in the software.
(See encircled details below)



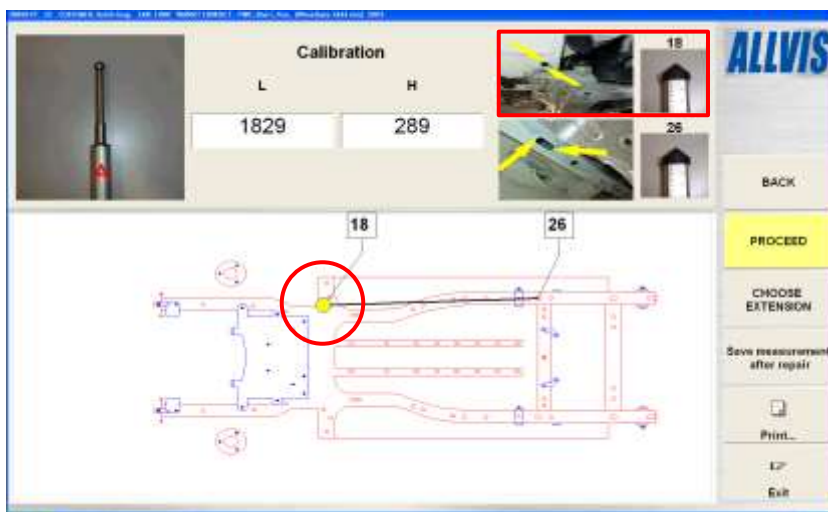
Center the conical part of the magnet to the hole.



Push up the outer part of the magnet.



Ready for measuring.



6.0 – Height level calibration



Adjust level

Find the calibration point with the information from the calibration page in the software.

(See encircled details below)



Center the tip to the point.



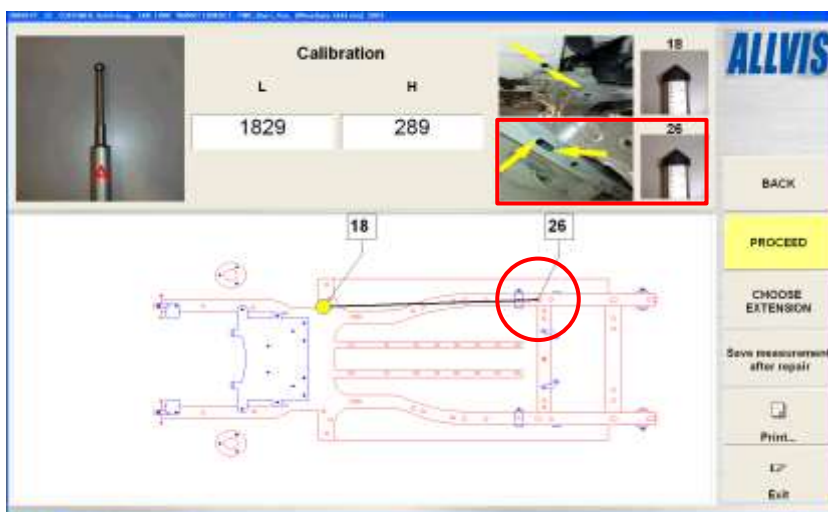
Turn level to “adjustment mode”. Adjust until the spirit is centered.



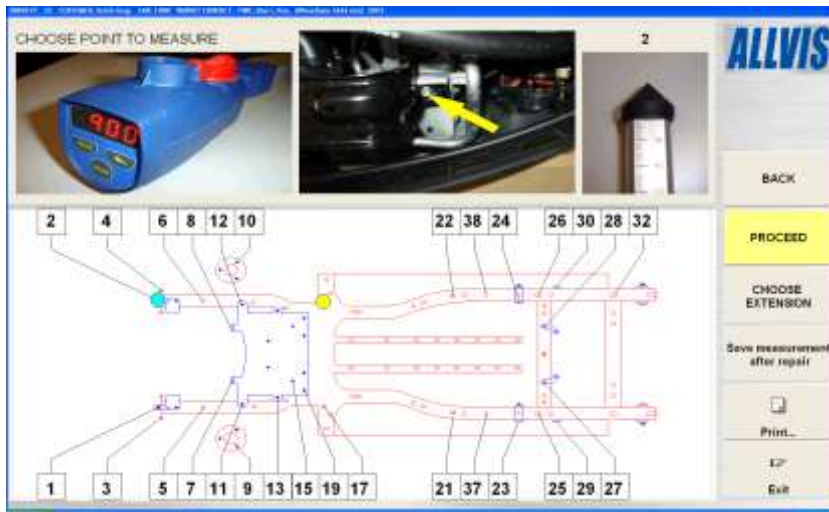
Lower the measuring arm and center it again to control the adjustment.



If the measuring points are located on the other side of the zero point, turn the level to “locked mode” again.

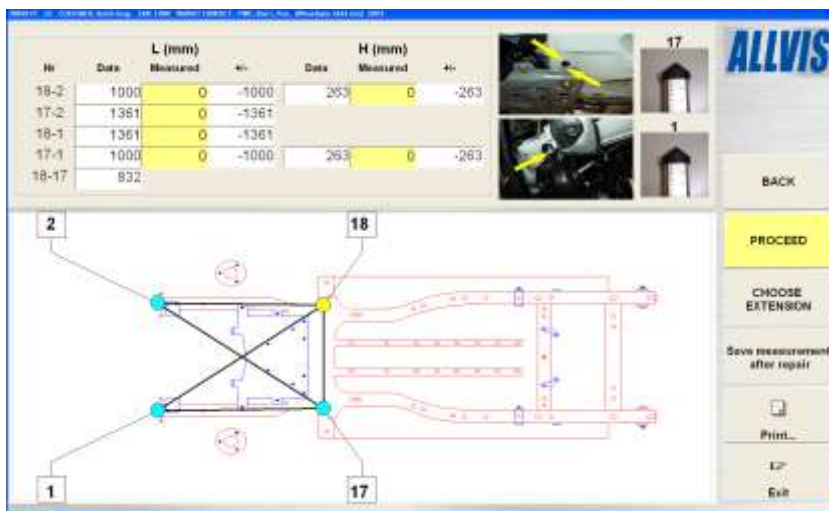


7.0 – Datasheet overview

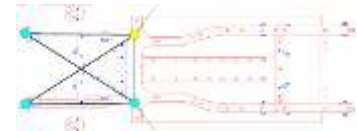


Choose point to measure

Choose a point that is affected by the damage. Click on the number that symbolizes the point you want to use.



Datasheet information



Drawing (from above) with chosen zero point (yellow) and measuring points.



Information about selected zero/magnet point.

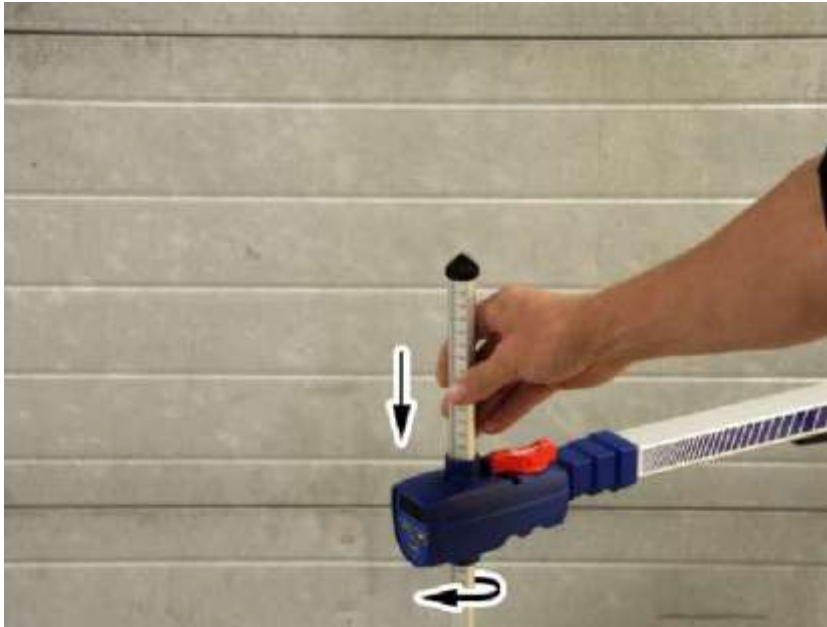


Information about selected measuring point.

Nr	Date	L (mm)		±	Date	H (mm)		±
		Measured	±			Measured	±	
18-2		1000	0		-1000	263	0	
17-2		1361	0		-1361			
18-1		1361	0		-1361			
17-1		1000	0		-1000	263	0	
18-17		832						

Values for length and height measurement.

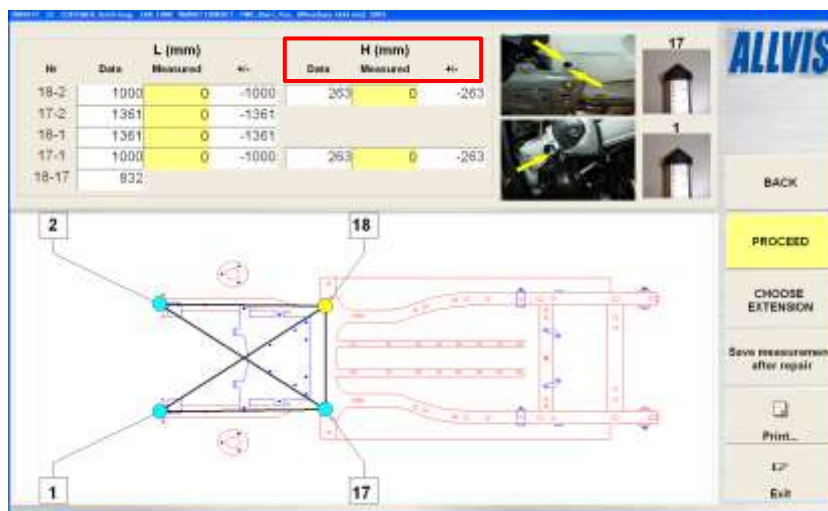
8.0 – Prepare Allvis for measuring operation 1



Setup height rod

H (mm)		
Data	Measured	+/-
263	0	-263
263	0	-263

Under H on the datasheet, there is information for the height rod setting.



Choose adapter



In the information field of chosen measuring point, there is information about which tip to use.

9.0 – Measure line 1 – Length

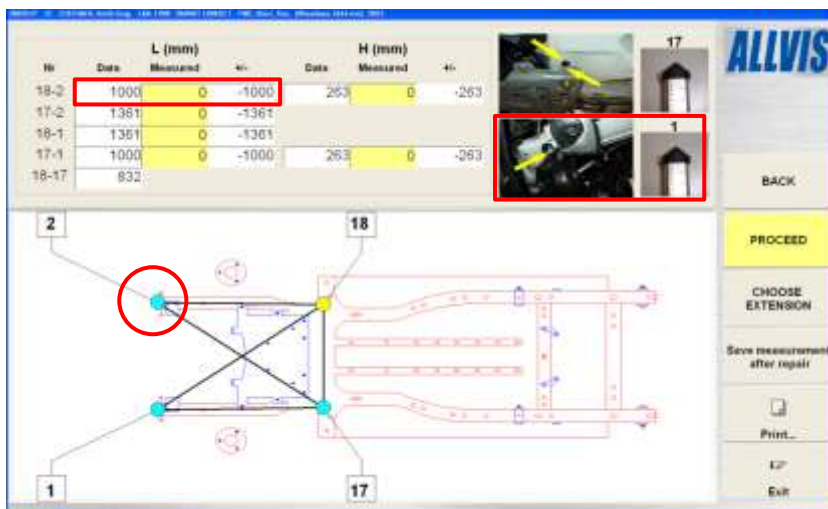


Control length for line 1

Find measuring point for line 1 with the information on the datasheet.
(See details on the datasheet below)



Center the tip to the measuring point.



Read the display...

L (mm)			
Nr	Date	Measured	+/-
18-2	1000	1000	0
17-2	1361	0	-1361
18-1	1361	0	-1361
17-1	1000	0	-1000
18-17	832		

...and type in the value.

9.1 – Measure line 1 – Height



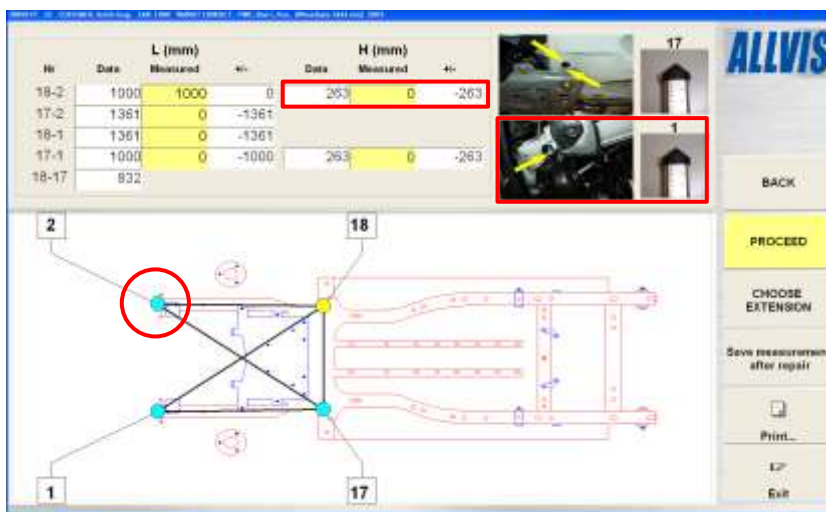
Control height for line 1



Unlock the height measuring rod.



Adjust the measuring arm up or down until the spirit level is centered.



Lock the height measuring rod.

Read the height value...

H (mm)		
Data	Measured	+/-
263	263	0
263	0	-263

...and type in the value.

10.0 – Measure line 2 (cross measuring)



Control length for line 2

Find the measuring point for line 2 with the information on the datasheet.
(See details on the datasheet below)



Center tip to measuring point.

The screenshot shows the Allvis software interface. At the top, there are two tables for 'L (mm)' and 'H (mm)' measurements. Below these is a chassis diagram with numbered points. Point 2 is circled in red. On the right side, there are buttons for 'BACK', 'PROCEED', 'CHOOSE EXTENSION', 'Save measurement after repair', 'Print', and 'Exit'.

Nr	Data	Measured	+/-
18-2	1000	1000	0
17-2	1361	0	-1361
18-1	1361	0	-1361
17-1	1000	0	-1000
18-17	832		

Read the display...

L (mm)			
Nr	Data	Measured	+/-
18-2	1000	1000	0
17-2	1361	0	-1361
18-1	1361	1359	-2
17-1	1000	0	-1000
18-17	832		

...and type in the value.

Note!

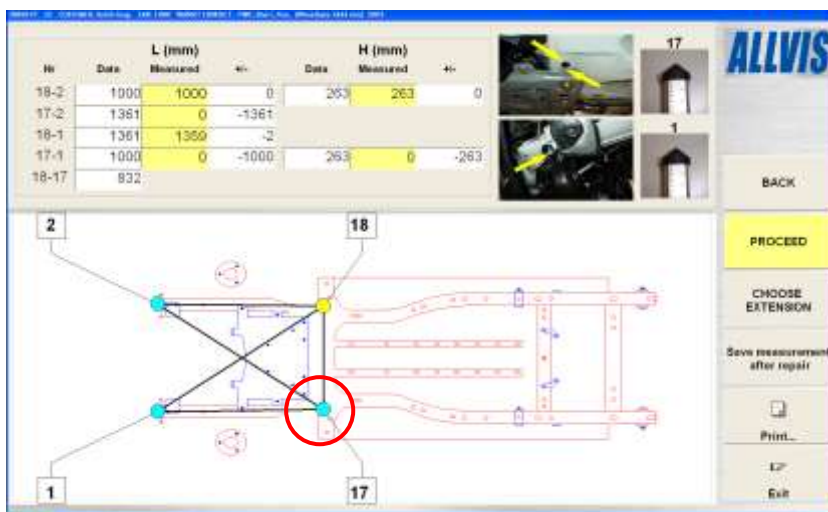
Height is not measured for lines 2 and 3.
(cross measuring)

11.0 – Move magnet



Move magnet to other side

To be able to measure line 3 and 4 the magnet must be moved to the corresponding point on the other side.
(See details on the datasheet below)



12.0 – Measure line 3 (Cross measuring)

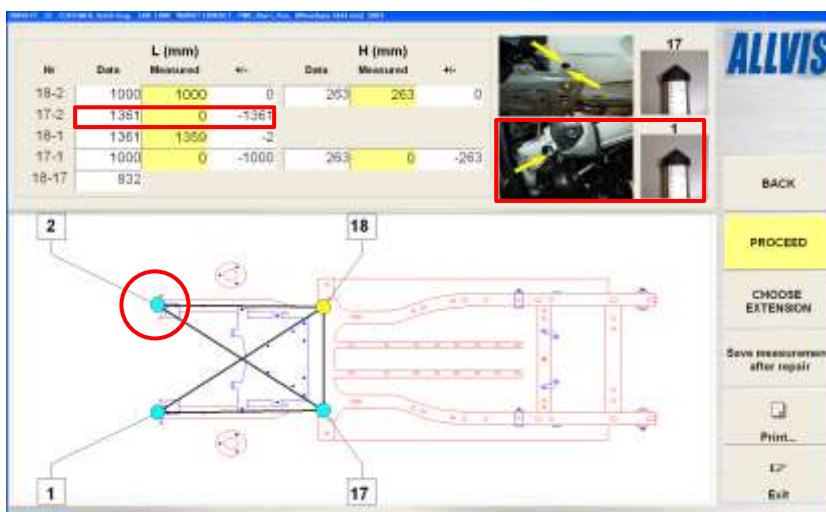


Control length for line 3

Find the measuring point for line 3 with the information on the datasheet.
(See details on the datasheet below)



Center tip to the measuring point.



Read the display...

L (mm)			
Nr	Data	Measured	+/-
18-2	1000	100	-900
17-2	1361	1359	-2
18-1	1361	1359	-2
17-1	1000	0	-1000
18-17	832		

...and type in the value.

Note!

Height is not measured for lines 2 and 3.
(cross measuring)

13.0 – Measure line 4 – length an height



Control length for line 4

Find the measuring point for line 4 with the information on the datasheet.

(See details on the datasheet below)



Read the length value...

L (mm)				H (mm)			
Nr	Data	Measured	+/-	Data	Measured	+/-	
18-2	1000	1000	0	253	253	0	
17-2	1361	1359	-2				
18-1	1361	1359	-2				
17-1	1000	0	-1000	253	0	-253	
18-17	832						

L (mm)			
Nr	Data	Measured	+/-
18-2	1000	1000	0
17-2	1361	1359	-2
18-1	1361	1359	-2
17-1	1000	999	-1
18-17	832		

...and type in the value.

13.1 Measure line 4 – length and height



Control height for line 4



Unlock and adjust the measuring arm until the spirit level is centered.

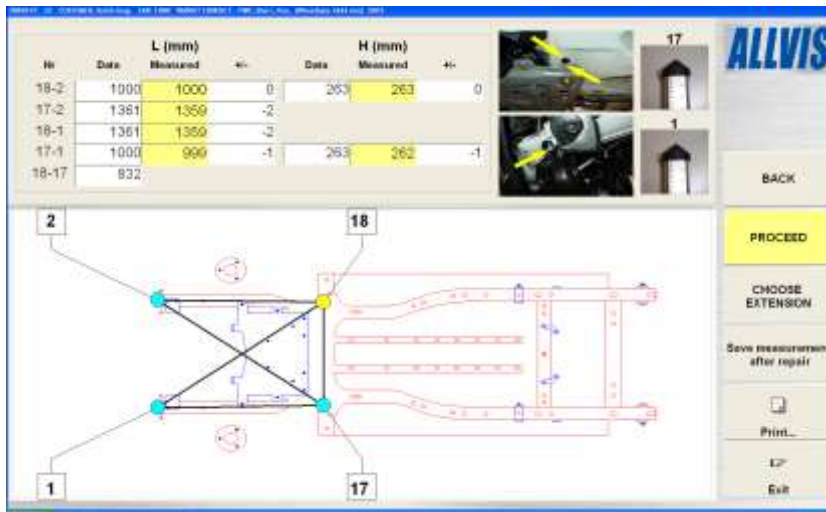


Read the height value...

H (mm)		
Data	Measured	+/-
263	263	0
263	262	-1

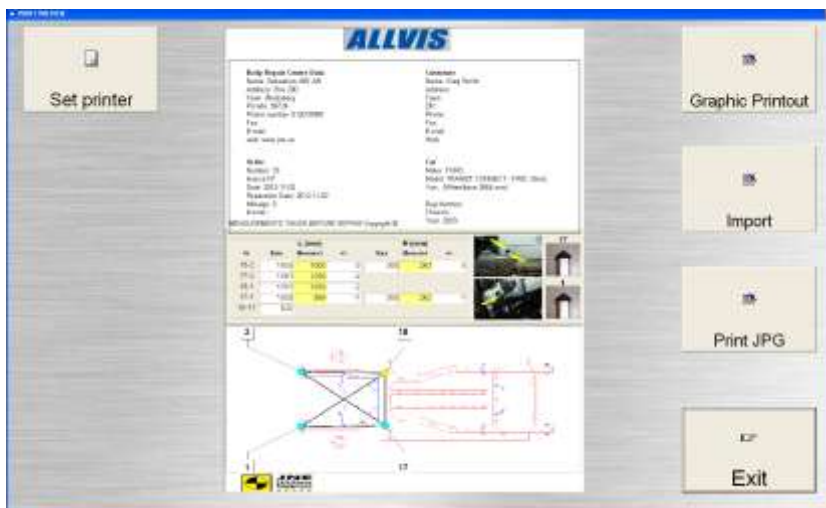
...and type in the value.

14.0 – Save and print out workorder



Save/print out order

To save and/or print out the workorder, click on Print...



You will get an overview of the workorder.

Save on your computer

To save the workorder on your computer as a JPG file, click on Print JPG.

The software will confirm that the file is saved.

You can import the file later to print out the file again.

Note!

To be able to import a saved file, you need to have the right order selected.

When you click on Print JPG the file will be saved on your computer on the following path;

64 Bit operating system: C:/Program Files (x86)/Touch10/DBIMG/Client/Allvis/(workorder)

32 Bit operating system: C:/Program/Touch10/DBIMG/Client/Allvis/(workorder)

