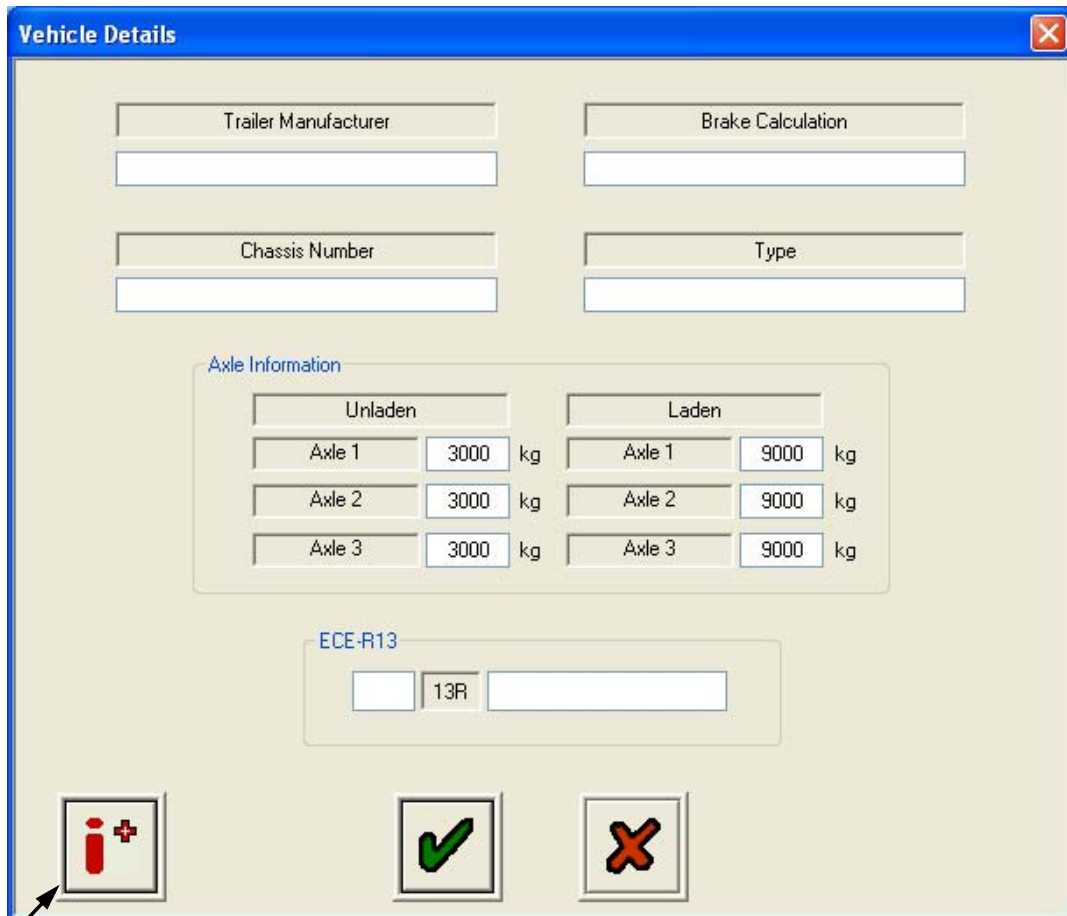


Bulletin – For distribution as necessary

DIAG+ ‘Geometric Data’ Button

There has been an extra button added to the DIAG+ menu to allow the trailer ‘*geometric data*’ to be added. Trailer manufacturers **must** input data relating to the type of trailer, number of axles and dimensions. This is not required directly by the Haldex EB+ Stability system but *is* required under the latest revision of the ECE Regulation 13 (series 11) in order to assist towing vehicle systems. This data may be used by the towing vehicle stability system to assist with its control strategy for the whole combination.

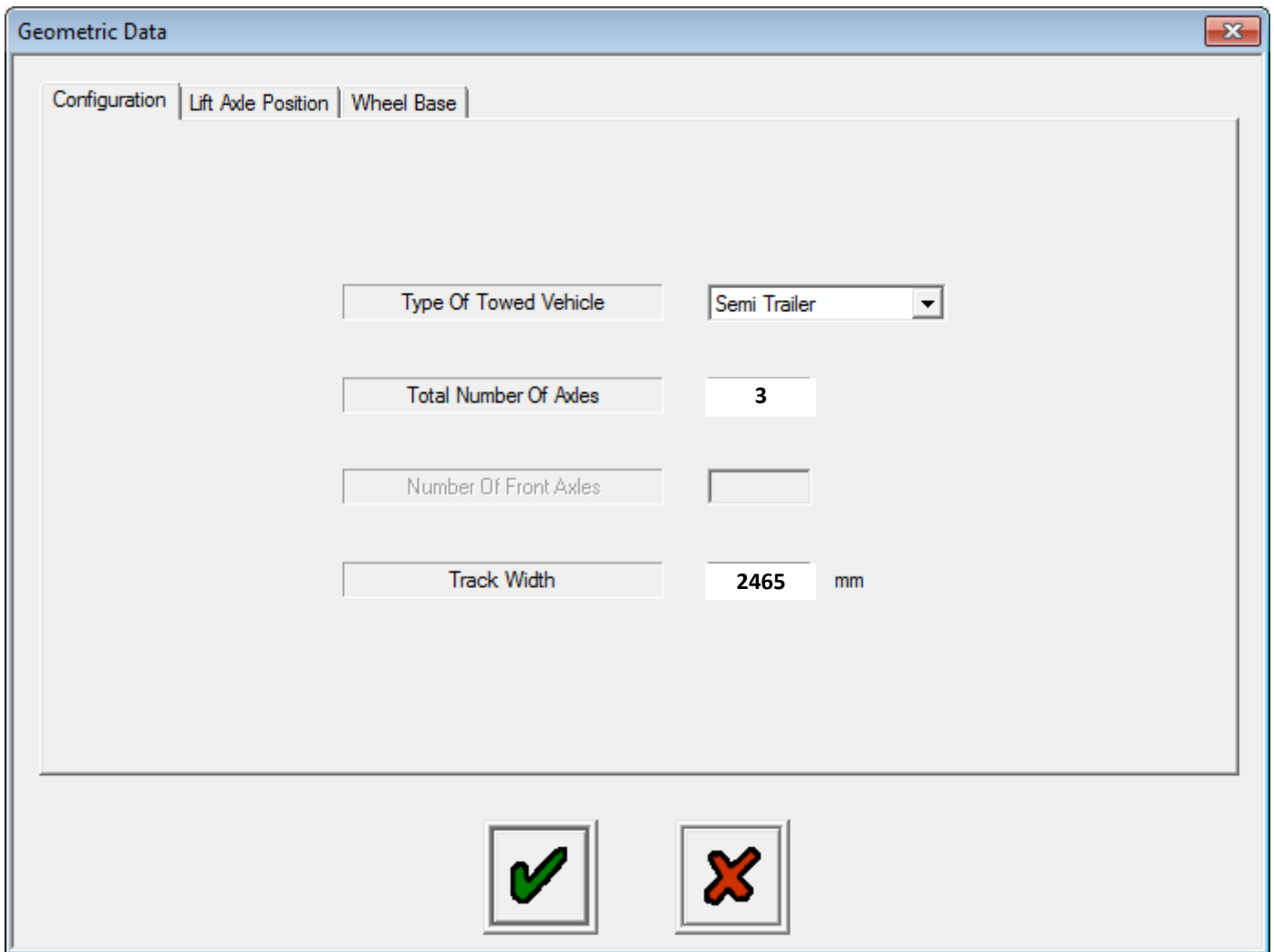


Click on the Info+ button to enter the geometric data. This will open up a new screen with three tabs along the top which need to be completed.

Issued By	Introduction from Serial No.	Date	Product affected	S/B No.
Redditch Marketing		27-5-11	EBS	0117R-A
Title / Subject		Reg No.	Ref No. / edit	Page
DIAG+ Geometric Button				2 of 5

An example is completed below for a tri- axle trailer with 2465mm track width (measured from centre of tyre to centre of tyre), a rear lift axle with 8.10m total wheelbase.

Select type of trailer from the options – semi-trailer, drawbar (full) trailer and centre-axle trailer. Enter the number of axles and the track width (the overall width measured between the tyre centres in mm).



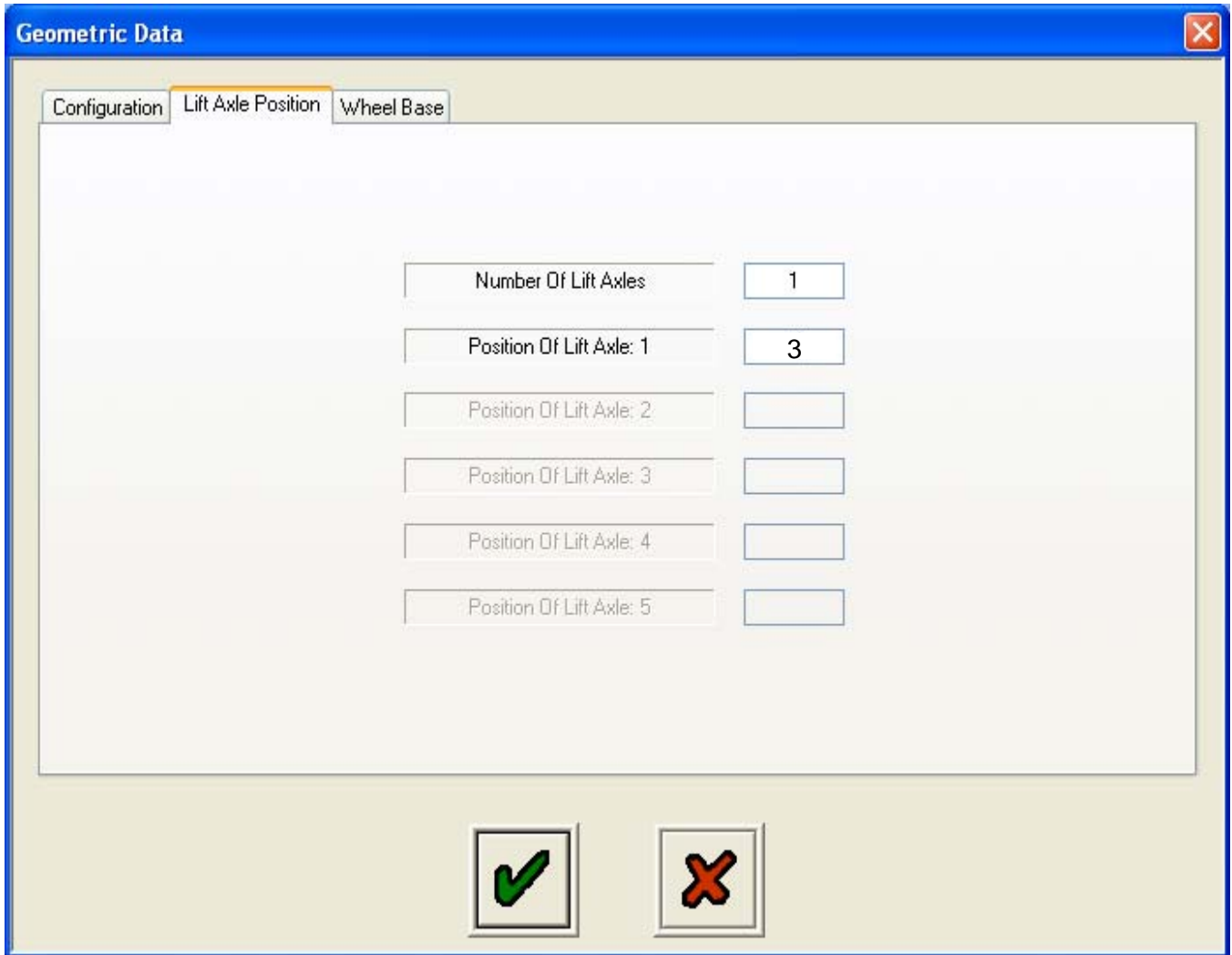
The screenshot shows a software window titled "Geometric Data" with a close button in the top right corner. Below the title bar are three tabs: "Configuration", "Lift Axle Position", and "Wheel Base". The "Configuration" tab is active. The form contains the following fields:

- Type Of Towed Vehicle:** A dropdown menu set to "Semi Trailer".
- Total Number Of Axles:** A text input field containing the number "3".
- Number Of Front Axles:** An empty text input field.
- Track Width:** A text input field containing "2465" followed by "mm".

At the bottom of the window, there are two buttons: a green checkmark icon and a red 'X' icon.

Issued By	Introduction from Serial No.	Date	Product affected	S/B No.
Redditch Marketing		27-5-11	EBS	0117R-A
Title / Subject		Reg No.	Ref No. / edit	Page
DIAG+ Geometric Button				3 of 5

Trailer has one lift axle and it is on the rear so axle number 3.



Configuration	Lift Axle Position	Wheel Base
Number Of Lift Axles		
1		
Position Of Lift Axle: 1		
3		
Position Of Lift Axle: 2		
Position Of Lift Axle: 3		
Position Of Lift Axle: 4		
Position Of Lift Axle: 5		



Issued By	Introduction from Serial No.	Date	Product affected	S/B No.
Redditch Marketing		27-5-11	EBS	0117R-A
Title / Subject		Reg No.	Ref No. / edit	Page
DIAG+ Geometric Button				4 of 5

Wheelbase of 8.10m, consisting of distance to front axle of 6.79m and then 1.31m between axles.

Geometric Data ✕

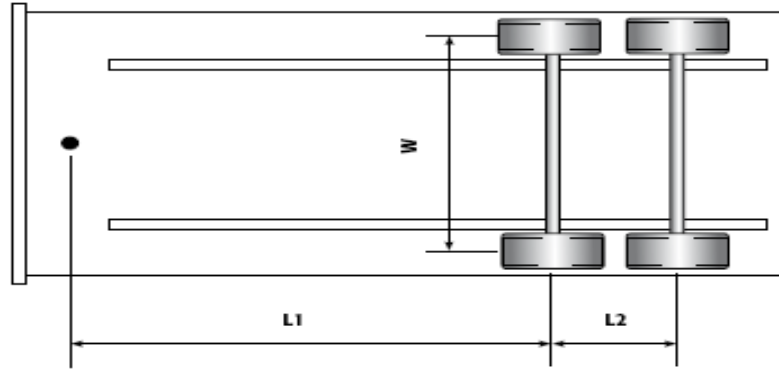
Configuration Lift Axle Position **Wheel Base**

Coupling Point to 1st Axle Length	6.79	m	Axle: 10 ... 11	<input type="text"/>	m
Axle: 1 ... 2	1.31	m	Axle: 11 ... 12	<input type="text"/>	m
Axle: 2 ... 3	1.31	m	Axle: 12 ... 13	<input type="text"/>	m
Axle: 3 ... 4	<input type="text"/>	m	Axle: 13 ... 14	<input type="text"/>	m
Axle: 4 ... 5	<input type="text"/>	m	Axle: 14 ... 15	<input type="text"/>	m
Axle: 5 ... 6	<input type="text"/>	m	Axle: 15 ... 16	<input type="text"/>	m
Axle: 6 ... 7	<input type="text"/>	m	Axle: 16 ... 17	<input type="text"/>	m
Axle: 7 ... 8	<input type="text"/>	m	Axle: 17 ... 18	<input type="text"/>	m
Axle: 8 ... 9	<input type="text"/>	m	Axle: 18 ... 19	<input type="text"/>	m
Axle: 9 ... 10	<input type="text"/>	m	Axle: 19 ... 20	<input type="text"/>	m

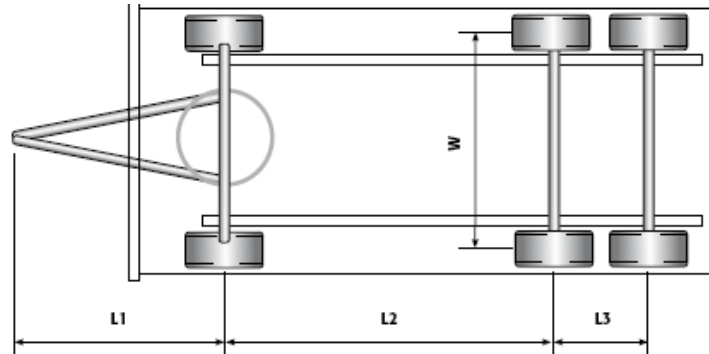



Issued By	Introduction from Serial No.	Date	Product affected	S/B No.
Redditch Marketing		27-5-11	EBS	0117R-A
Title / Subject		Reg No.	Ref No. / edit	Page
DIAG+ Geometric Button				5 of 5

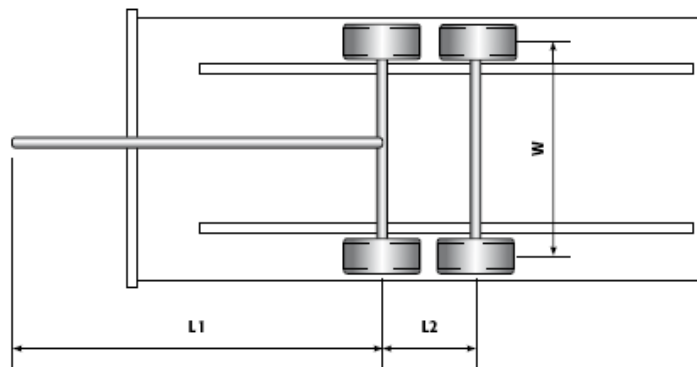
Semi Trailer



Drawbar Trailer



Centre-axle Trailer



Key

- W Track width (measured between tyre centres)
- $L1$ Length between coupling point and middle of the first axle
- $L2$ Distance between first axle and second axle in wheel base
- $L3$ Distance between second axle and third axle in wheel base