



# Heavy Vehicle Specialist Certificate

Must be presented to a Transport Service Delivery Agent  
Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS)

BRUCE SUTTON

ID  
BJS

Vehicle Registration\*

VIN / Chassis Number

7A9C20036D1023205

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

PSV Stability

PSV Rollover

Swept Path

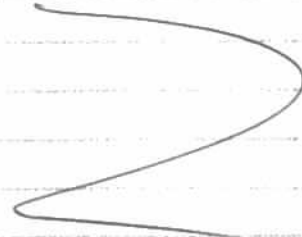
Certification Category

HVS2

PBS

Description of Work

Certify SRT - 3 axle B<sup>2</sup> Train Front Unit



Code/Standard Certified to

NZTA Rule 4100:2002

Component Load Rating(s)

X1 = 4.25m / X1 = 19T

X2 = 19T / X2 = 4.25m

Load Type Uniform Density

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert # S603 - individual unit  
+ S603B with rear unit attached - imposed tare weight

\*Special Conditions

As Above

Certification Expiry Date (if applicable)

OR

Hubodometer Reading (whichever comes first)

## Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified above and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule Vehicle Standards Compliance 2002 and my Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID (if certified by a manufacturer)

Inspector's / Delegate's Signature

\*Delegate's/Inspector's Name (PRINT IN CAPS)

ID number

Date

28/11/13

Number

445121

COF Vehicle Inspector ID:

COF Vehicle Inspector Signature:

Date

All fields excluding those marked with \* must be completed before this certificate can be accepted.



## Static Roll Threshold Compliance Certificate

Name of vehicle owner: Talleys Group Ltd  
Address:  
SRT Compliance Certificate no: S603A  
Vehicle Identification No.(VIN): 7A9C20036D1023205  
Vehicle chassis No: 1205  
Current vehicle registration:  
Type of vehicle: Semi-Trailer  
No of axles in front set: 0 No of axles in rear set: 3  
Deck length of vehicle: 7.7 metres  
Maximum height of load or vehicle body: 4.25 metres  
Front suspension type: none  
Rear suspension type: User Defined

I, Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui certify that at the time of inspection this vehicle achieved a rating on a Static Roll Threshold test as follows:

Using standard load Uniform density Description: Assumes load mass is centred midway vertically between load bed and load height.

At a max. load height of 4.25 metres and a max. allowable gross mass of 19 tonnes, the SRT is 0.34g  
This vehicle fails to meet the minimum SRT standard of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 17.8 tonnes.
- or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.14 metres.

The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
19	4.14
18	4.22
17	4.25

Note: Calculated load heights greater than the legal limit of 4.25m have been set to 4.25m

Results of SRT test to be displayed on Certificate of Loading
X1 = 4.25 metres / Y1 = 17 tonnes ; Y2 = 19 tonnes / X2 = 4.14 metres.

The type of test carried out to establish this rating was: LTSA SRT Calculator Version 1.32c

## Summary Input Data used for calculation.

### Tyre Data:

Axle	Tyre Size:	Tyre Configuration:
1	19.5	Dual
2	19.5	Dual
3	19.5	Dual

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.42	1.07
Deck length (m):	4.4	3.3

### Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15320
Tare mass (kg):	3680
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	100
Suspension brand/model:	BPW AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1465809
Spring stiffness/spring (N/m):	150000
Roll centre height from axle (m):	0.088

I certify that I am a vehicle inspector appointed under *section 2 of Land Transport Rule: Vehicle Standards Compliance 2002*. I certify that this certificate complies in all respects with the applicable requirements in that rule, and that, to the best of my knowledge, the information in this certificate is true and correct.

Signed: 

Name: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No **BJS** Date: **28/11/2013**

SRT Compliance Certificate no:

**S603A**



## Static Roll Threshold Compliance Certificate

Name of vehicle owner: **Talleys Group Ltd**  
Address:  
SRT Compliance Certificate no: **S603B (with rear unit attached, imposed tare)**  
Vehicle Identification No.(VIN): **7A9C20036D1023205**  
Vehicle chassis No: **1205**  
Current vehicle registration:  
Type of vehicle: **Semi-Trailer**  
No of axles in front set: **0** No of axles in rear set: **3**  
Deck length of vehicle: **7.7 metres**  
Maximum height of load or vehicle body: **4.25 metres**  
Front suspension type: **none**  
Rear suspension type: **User Defined**

I, **Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui** certify that at the time of inspection this vehicle achieved a rating on a Static Roll Threshold test as follows:

Using standard load type: **Uniform density** Description: **Assumes load mass is centred midway vertically between load bed and load height.**

At a max. load height of 4.25 metres and a max. allowable gross mass of 19 tonnes, the SRT is 0.37g

This vehicle meets or exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading
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X1 = 4.25 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 4.25 metres.
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The type of test carried out to establish this rating was: **LTSA SRT Calculator Version 1.32c**

## Summary Input Data used for calculation.

### Tyre Data:

Axle	Tyre Size:	Tyre Configuration:
1	19.5	Dual
2	19.5	Dual
3	19.5	Dual

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.42	1.07
Deck length (m):	4.4	3.3

### Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	12880
Tare mass (kg):	6120
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	100
Suspension brand/model:	BPW AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1465809
Spring stiffness/spring (N/m):	150000
Roll centre height from axle (m):	0.088

I certify that I am a vehicle inspector appointed under *section 2 of Land Transport Rule: Vehicle Standards Compliance 2002*. I certify that this certificate complies in all respects with the applicable requirements in that rule, and that, to the best of my knowledge, the information in this certificate is true and correct

Signed: 

Vehicle Inspector/Inspecting Organisation No  
**BJS**

SRT Compliance Certificate no:

Name: **Bruce Sutton**

Date: **28/11/2013**

S603B (with rear unit  
attached, imposed tare)