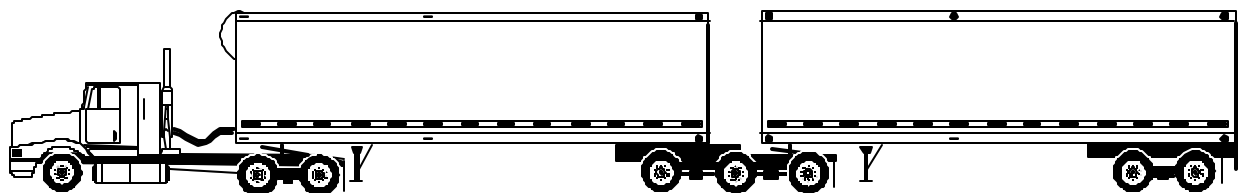


SPECIAL REQUIREMENTS REGARDING THE USE OF B DOUBLE TRAILER COMBINATIONS

(replaces Bulletin No. 03.06.97 of June 12, 1997)



Maximum total loaded mass : 62 500 kg

1. INTRODUCTION

Since June 16, 1997, special permits have been issued for certain B train double trailer combinations¹ that are over 23 metres in length (maximum length of 25 metres) and a total loaded mass of over 59 000 kg (maximum of 62 500 kg), authorizing them to use roads other than those provided for in the regulations. The *Vehicle Load and Size Limits Regulation* applicable to road vehicles and road vehicle combinations was amended recently in order to allow all double train combinations up to 25 meters long on all public roads. However, the maximum total loaded mass for B train double trailer combinations was not changed by the new provisions. A special permit is still required, when the total loaded mass exceeds 59 000 kg (maximum 62 500 kg), for roads other than autoroutes and Highway 185 between Québec and New Brunswick. As of January 1, 1999, the permit will authorize the use of B train double trailer combinations with a total loaded mass of over 59 000 kg (maximum 62 500 kg) on most public roads (including roads in Abitibi-Témiscamingue and Saguenay-Lac-Saint-Jean-Chibougamau).

These amendments to vehicle load and size limits for these vehicle combinations are designed, among other things, to bring Québec standards for B train double trailer combinations into line with those of other Canadian governments. Despite these efforts, differences may still subsist. It is important, therefore, to check the regulations applicable in other jurisdictions before entering them with such a vehicle combination. However, Québec regulations comply with the provisions of the interprovincial understanding² on vehicle weight and dimension limits in Canada.

This publication outlines the requirements for authorization to use certain B train double trailer combinations with a maximum total loaded mass of 62 500 kg and the terms and conditions for acquiring special permits.

2. SPECIAL LOAD PERMITS (for a maximum load of 62 500 kilograms)

A special load (Appendix 1) allows a carrier to use a B train double trailer combination with a total loaded mass over 59 000 kilograms but up to 62 500 kilograms on roads other than those provided for in the regulations. The special load permit is available for a B train double trailer combination that complies with the standards of the Interprovincial Agreement on Vehicle Weights and Sizes in Canada. Axle load limits are specified in the *Vehicle Load and Size Limits Regulation* applicable to road vehicles and combinations of road vehicles. During spring thaw period, the total load mass limit is established by adding together the authorized loads per axle without exceeding 59 000 kilograms.

A permit is required for the first semi-trailer equipped with a fifth wheel forming a B train double trailer combination. The permit does not eliminate the need for compliance with the requirements regarding the transport of dangerous goods, particularly those concerning the transport of dangerous products in

¹ A B train double trailer is a combination of vehicles comprised of a semi-trailer hitched to a tractor and equipped with an extended frame on which is installed a fifth wheel capable of pulling a second semi-trailer.

² Federal-Provincial-Territorial Memorandum of Understanding on Interprovincial Weights and Dimensions of February 1988 (amended in September 1991, July 1994 and June 1997).

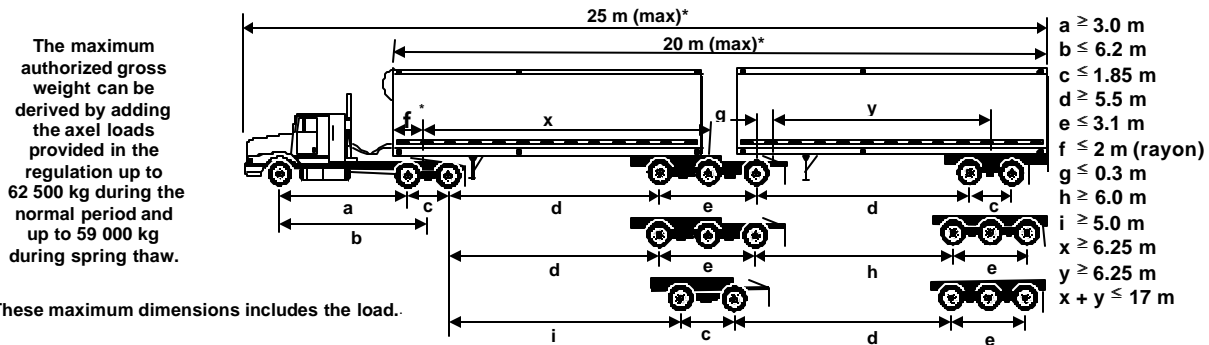
highway tanks and portable tanks, which must be in compliance with Transportation of Dangerous Substances Regulation and Petroleum Product Regulation.

A special load permit is not required when a B train double trailer combination (categories A.90 and A.91) over 59 000 kilograms and up to 62 500 kilograms is used on:

- autoroutes number 5, 10, 13, 15, 19, 20, 25, 30, 31, 35, 40, 50, 55, 73, 410, 440, 520, 540, 573, 640, 720, 740 or 955,
- a divided public road with two lanes in each direction that constitutes an extension of one of these autoroutes,
- access roads of these autoroutes over a distance of no more than two kilometres measured from the exit or entrance of the autoroute, or on Highway 185.

2.1 Technical characteristics of vehicles

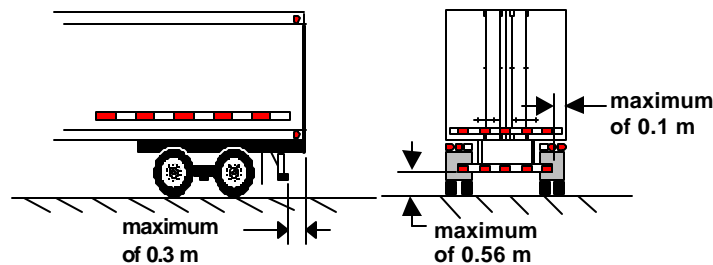
A B train double trailer combination with a Gross Combination Weight (GCW) greater than 59 000 kilograms must have all of the following characteristics :



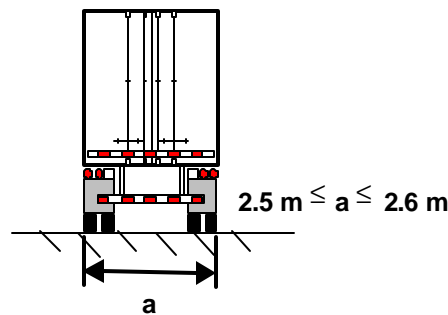
- ◆ 8 or 9 axles ;
- ◆ a total loaded mass not exceeding 62 500 kilograms under normal conditions and 59 000 kilograms during thaw periods;
- ◆ a 10-wheeler tractor equipped with a tandem axle with axle spacing not exceeding 1.85 metres;
- ◆ semi-trailers equipped with a tandem axle with axle spacing not exceeding 1.85 m, or a tridem axle with axle spacing between the far axles not exceeding 3.1 meters;
- ◆ the distance between the centre of the king pin and the centre of the tandem axle or the tridem axle of each of the two semi-trailers must be at least 6.25 metres;
- ◆ the horizontal radius between the vertical axis at the centre of the king pin and the front of the first semi-trailers must be no more than two metres (load included);
- ◆ the sum of the wheelbases of each of the semi-trailers must not exceed 17 metres;
- ◆ each of the axles of each of the semi-trailers must be equipped with dual tires;
- ◆ a total length not exceeding 25 metres, including the load;
- ◆ a distance³ of no more than 20 metres between the front of the first semi-trailer and the rear of the second, including the load;

³ This distance does not include extra equipment placed in front of the first semi-trailer, provided that it does not increase the volume of the loading space of the road vehicle.

- ◆ a tractor with a distance between the single front axle and the first axle of the tandem axle of at least three metres and a wheelbase equal to or less than 6.2 metres;
- ◆ a distance between the centre of the last axle of the tractor tandem and the first axle of the first semi-trailer, and the distance between the centre of the last axle of the first semi-trailer and the first axle of the second semi-trailer of at least:
 - 5.0 m between two tandem axles;
 - 5.5 m between a tandem axle and a tridem axle;
 - 6.0 m between two tridem axles;
- ◆ reflector strips on the sides of the two semi-trailers and at the rear of the last semi-trailer in accordance with federal standards currently in force in Canada and no matter the age of the vehicle;
- ◆ the centre of the king pin of the second semi-trailer must not be more than 0.3 metres behind the last axle of the tridem axle of the first semi-trailer;
- ◆ a rear bumper on the second semi-trailer in accordance with the Safety Vehicle Regulation for semi-trailers built after June 16, 1997, except when the axles of the last semi-trailer are fixed, the distance between the tires of the rear axle and the rear of the semi-trailer is less than 0.3 metres and the height of the bottom of the structure at the rear of the semi-trailer is less than 0.56 metres from the ground.



- ◆ the distance between the outer edge of each outside tire of each axle (bearing width) of the two semi-trailers must be at least 2.5 metres (up to a maximum of 2.6 metres).



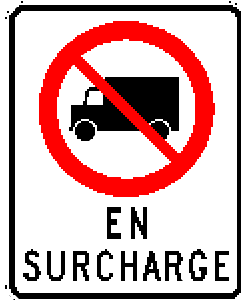
2.2 Authorized roads for B train double trailer of more than 59 000 kg

B train double trailer combinations with a GCW greater than 59 000 kilograms (maximum 62 500 kg) are authorized under a special permit as of January 1, 1999 on all public roads with the exception of traffic on bridges with posted weight limits.

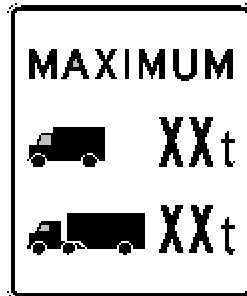
Carriers must ensure beforehand that the itinerary they wish to follow is free of structures with posted weight limits. P-195, P-200-1 and P-200-2 signs are posted on these bridges. The maximum total

loaded mass of a Type B double train is, in the case of P-195 signs, provided for in the *Vehicle Load and Size Limits Regulation*, which must not exceed 59 000 kilograms and, in the case of P-200-1 and P-200-2 signs, shown at the bottom of the sign. A directory of the location of bridges with weight limits may be obtained by calling *Info-camionnage* at the telephone numbers given on the cover of this publication.

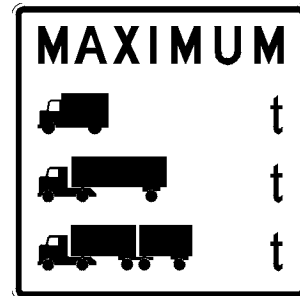
Municipalities may impose additional restrictions on the operation of these B train double trailer combinations within their territory under the Policy on heavy vehicle traffic on the municipal road network published by the ministère des Transports du Québec.



P-195



P-200-1



P-200-2

2.3 Special requirements on certain roads

The tractor of a B train double trailer combination operating under this permit must have the following characteristics to run on certain designated roads:

- ◆ a «Jacob brake» or the equivalent;
- ◆ a motor with at least 400 HP⁴;
- ◆ eight tires on the tandem axle of the tractor, designed for winter conditions between October 15 and May 1 or outside this period when weather conditions require it;
- ◆ an improved traction system that can enhance traction performance compared with its conventional system (inter-axle differential) between October 15 and May 1 or outside this period when weather conditions require it (for example, a traction system with a locked differential⁵, or an anti-slip system).

The designated roads where this equipment is required are as follows:

- ◆ 101, 108, 109, 111, 112 east of Thetford, 113, 117 north of Labelle, 131 north of Joliette, 132 from Matane eastward to New-Richmond, 138 east of Beaupré, 155 north of Grand-Mère, 161, 167, 169 south of Hébertville, 170 and 172 east of Chicoutimi, 175 north of Stoneham and 198;
- ◆ 204, 232, 234, 253, 269, 275, 279, 283, 295 and 299;
- ◆ 362, 367 north of Saint-Raymond, 381 and 389.

⁴ At a given speed, some motors may generate 400 HP and more, even if they are identified by a lower nominal power.

⁵ This improved traction system allows, when it is in operation, traction on at least six of the eight wheels of the tandem axle.

3. OBTAINING A SPECIAL PERMIT

Current holders of special permits applicable to B train double trailer combination with a total loaded mass of over 59 000 kg without exceeding 62 500 kg will have their permits automatically renewed and sent out to them. To obtain a new special permit, applicants must:

- ◆ ensure that the combination of vehicles complies with the requirements described in section 2;
- ◆ complete the special permit application form (Appendix 2), entering legibly, in block letters, all the information requested, i.e.:
 - the name and address of the carrier (corresponding to those indicated on the registration certificate of the first semi-trailer);
 - the name and telephone and fax numbers of a resource person in the firm;
 - the registration number of the first semi-trailer in each Type B double train;
- ◆ send the duly completed and signed form to the following address or fax number :

**Ministère des transports du Québec
Service des normes en transport routier des marchandises
700, boulevard René-Lévesque Est, 22^e étage
Québec (Québec)
G1R 5H1**

Fax. : (418) 644-9072

Once the form is received and documentation has been verified, the permits are prepared and submitted for signature. Once they are approved, they are forwarded to the applicant. Approximately two working days are required after the department receives the special permit application form before the applicant can receive the permit.

For more information about vehicle load and size regulations, call *Info-camionnage* at the telephone numbers given on the cover of this publication.

Service de la sécurité en transport routier et ferroviaire

List of Appendices

Appendix 1: Special permit (specimen copy)

Appendix 2: Special permit application form



Permis spécial de circulation applicable à un train double de type B

d'une masse totale en charge maximale de 62 500 kg

(Ce permis est délivré en vertu de l'article 633 du Code de la sécurité routière)

Valide du _____ au _____

IDENTIFICATION DU TITULAIRE

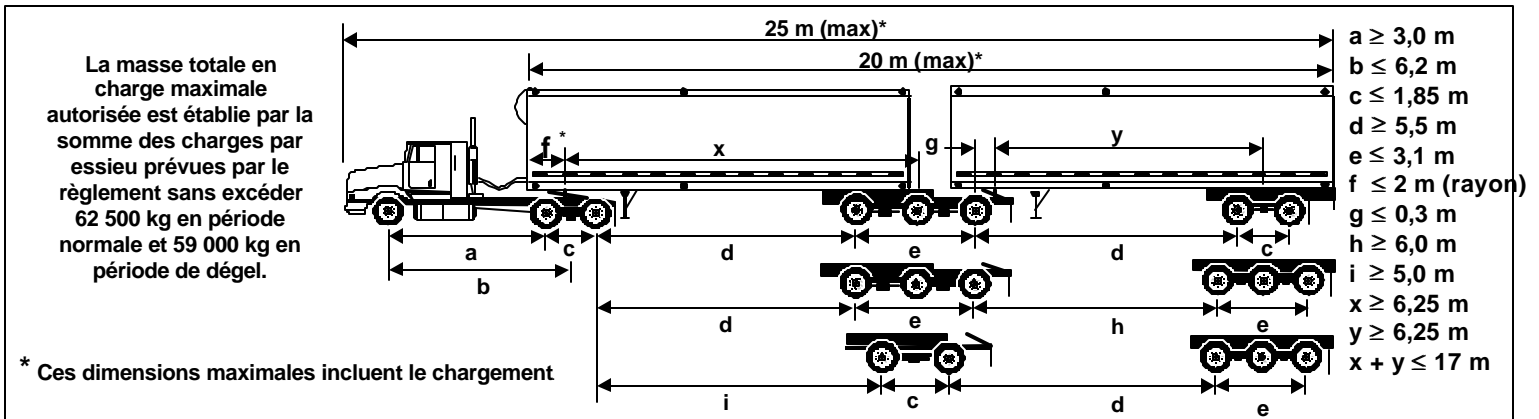
nom		no téléphone
adresse		
municipalité	code postal	no identification

SPÉCIMEN

IDENTIFICATION DU TRAIN DOUBLE DE TYPE B (numéro d'immatriculation de la semi-remorque avant)

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CONFIGURATION, MASSE TOTALE EN CHARGE ET DIMENSIONS AUTORISÉES DU TRAIN DOUBLE DE TYPE B



ROUTES AUTORISÉES

Le train double de type B faisant l'objet du présent permis est autorisé à circuler sur l'ensemble des chemins publics à l'exception des ponts faisant l'objet de limitations de poids (P-195, P-200-1 et P-200-2).

CONDITIONS

Le conducteur doit avoir en sa possession l'original ou une copie lisible de ce permis spécial.

Des bandes réfléchissantes sur les côtés de chacune des deux semi-remorques et à l'arrière de la dernière semi-remorque conformes à la norme canadienne en vigueur sont exigées peu importe l'année de fabrication des véhicules.

La semi-remorque située à l'arrière du train routier, fabriquée après le 16 juin 1997, doit être munie d'un pare-chocs conforme au Règlement sur les normes de sécurité des véhicules routiers.

Ce permis doit être signé par le titulaire ou son représentant.

Lorsque l'ensemble de véhicules circule sur les routes 101, 108, 109, 111, 112 à l'est de Thetford, 113, 117 au nord de Labelle, 131 au nord de Joliette, 132 de Matane vers l'est jusqu'à New-Richmond, 138 à l'est de Beaupré, 155 au nord de Grand-Mère, 161, 167, 169 au sud d'Hébertville, 170 et 172 à l'est de Chicoutimi, 175 au nord de Stoneham, 198, 204, 232, 234, 253, 269, 275, 279, 283, 295, 299, 362, 367 au nord de Saint-Raymond, 381 et 389, le tracteur doit être muni d'un système de ralentissement de type "Jacob Brake" ou l'équivalent, d'un moteur pouvant développer au moins 400 hp et, entre le 15 octobre et le 1er mai ou en dehors de cette période lorsque les conditions climatiques l'exigent, d'un système de traction amélioré ainsi que huit pneus sur l'essieu tandem, conçus pour des conditions hivernales.

Chacune des semi-remorques formant le train double de type B doit être munie d'un essieu tandem ou d'un essieu triple à pneus jumelés et la distance entre les extrémités de chacune des roues extérieures de chacun des essieux doit être égale ou supérieure à 2,5 mètres sans excéder 2,6 mètres.

L'ensemble de véhicules doit être conforme aux exigences de la section "CONFIGURATION, MASSE TOTALE EN CHARGE ET DIMENSIONS AUTORISÉES DU TRAIN DOUBLE DE TYPE B".

INFORMATIONS ADDITIONNELLES

Ce permis ne peut être transféré. À la date d'échéance, le ministre se réserve le droit de ne pas le renouveler.

Ce permis n'enlève pas l'obligation de se conformer à toutes autres exigences législatives et réglementaires.

Le nom et l'adresse de l'entreprise inscrits sur le permis doivent correspondre aux données du certificat d'immatriculation la première semi-remorque munie d'une sellette d'attelage.

Quant aux autres normes, le véhicule doit être conforme au Règlement sur les normes de charges et de dimensions applicables aux véhicules routiers et aux ensembles de véhicules routiers.

Dans le cas de transport de marchandises dangereuses dans des citernes routières ou amovibles, ces dernières doivent être conformes au Règlement sur le transport des matières dangereuses et au Règlement sur les produits pétroliers.



Application for a special permit related to a B train double trailer weighing 62 500 kg

Identification

Name of carrier :

Address :

Municipality :

Postal code :

Name of a person in authority :

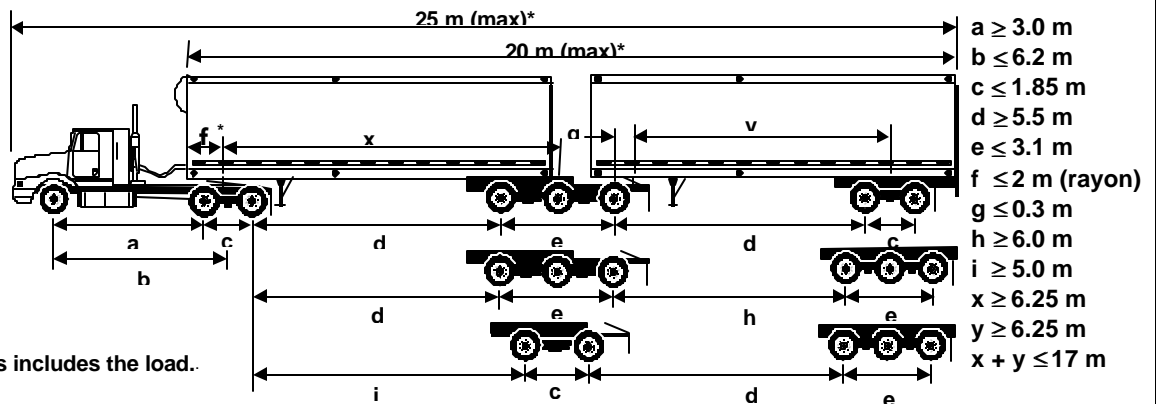
Telephone number :

Fax number :

Registration (plate) number of semi-trailer located at the front :

Gross vehicle weight and dimensions authorized for B train double trailer combinations

The maximum authorized gross weight can be derived by adding the axel loads provided in the regulation up to 62 500 kg during the normal period and up to 59 000 kg during spring thaw.



* These maximum dimensions includes the load.

I Certify that the information on this form is accurate and that each of the B train double trailer consisting of at least one of these semi-trailers meets the requirements of Info-Camionnage No. 03.12.98.

Signature : _____ Date : _____