

COMPONENTS

# Organic brake blocks

## FOR URBAN, HIGH-SPEED VEHICLES AND LOCOMOTIVES



Alstom offers a wide range of brake blocks according to different market standards. These products are used in metro, locomotives or high energy applications such as high-speed trains.

### Key references

#### France

- SNCF TGV
- SNCF Regio 2N
- RATP MF77
- RATP MF67
- RAPT MI79

#### USA

- Amtrak Avelia

#### UAE

- Riyadh metro

### GENERAL DESCRIPTION

Alstom friction materials are fitted to a wide range of railway applications and are homologated by the main market players.

To serve the railway market in line with its evolution, Alstom channels its technical expertise towards friction pair concept to develop products which not only offer competitive lifecycle cost but also are environmentally friendly.

### CUSTOMER BENEFITS

#### Unique product designs

Our brake blocks surfaces are designed as customer's wishes to offer an optimal heat distribution.

#### Optimal customer experience

We optimise product damping characteristics to prevent braking noise and reduce particle emissions. This leads to an improved passenger comfort.

#### Outstanding lifecycle cost

Alstom works hand in hand with customers to provide the best life cycle cost. Our formulations are designed with less abrasives which leads to longer disc life.

#### Compliant with main standards

Our products are developed according main market standards such as UIC and AAR and in line with most important regulations.

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## PRODUCT SPECIFICATIONS

Alstom offers a range of brake blocks dedicated to a wide variety of applications.

Material	Max. load per disc	Max. speed (km/h)	Maximum temperature	Friction level as reference	Modulus (MPa)	Max. specific pressure (N/cm <sup>2</sup> )	Operational capabilities	UIC Category	Applications
<b>F786</b>	12,5 t	300	400	0.28	400	150	Metro High speed & Loco	K block	SNCF Z2N fleet, Amtrak, TGV2020, B23 Platform
<b>F782</b>	10 t	120	400	0.28	400	150	Metro	K block	Various metro fleet (Riyadh,...)
<b>F762</b>	8 t	120	400	0.30	450	150	Metro - Rubber-tyred / Driverless	K block	RATP Metro MP89 / MP05 / MP14
<b>F625</b>	8,5	300	450	0.28	1050	175	High speed traffic	K block	SNCF TGV - Alstom Regio2N
<b>F693</b>	12,5 t	120	350	0.28	1000	150	Passenger & freight traffic	K block	SNCF Z6400 - RATP MF77 / MF67
<b>F645</b>	3 t	120	375	0.22	1100	200	Suburban train	L block	RATP MI79
<b>F685</b>	2,5 t	200	375	0.18	1100	200	Passenger traffic	L block	SNCF Retrofit cast iron blocks for Corail coaches
<b>F692</b>	7 t	120	400	0.20	1100	200	Suburban train	L block	SNCF Z6100



SNCF TGV Euroduplex

### FOR MORE INFORMATION:

**Alstom**  
 48, rue Albert Dhalenne  
 93482 Saint-Ouen-sur-Seine  
 Cedex - France  
 Phone: +33 1 57 06 90 00  
[www.alstom.com](http://www.alstom.com)