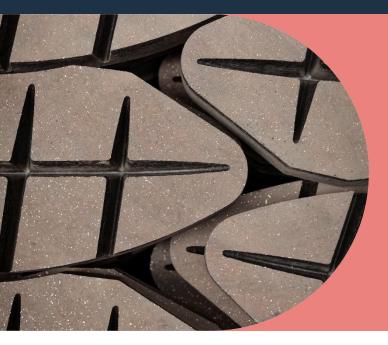
### COMPONENTS

# Organic brake pads FOR METRO, COMMUTER AND REGIONAL **TRAINS**



Alstom offers a wide range of brake pads according to different market standards. These products have been used in metro, coaches or high duty applications such as EMU & DMU for more than 50 years worldwide

## Key references

#### France

- **SNCF NAT**
- RATP MP89-05
- **RATP MF88**
- **RATP MF67**

#### **Austria**

OBB E-Talent 1

#### Vietnam

Hanoi metro

#### Sweden

Coradia X61

#### Australia

Perth Metronet

#### **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 pads 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

#### **Compliant with main standards**

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



### Organic brake pads

#### **PRODUCT SPECIFICATIONS**

Alstom offers a range of brake pads 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/cm²)	Operational capabilities	UIC Category	Applications
F728	12 t	140	600	0,40	350	120	High duty intercity & regional traffic		Alstom Perth Metronet
F726-1	10 t	160	600	0.40	450	120	High duty intercity & regional traffic		Alstom Coradia Nordic X61
F725	10 t	140	600	0.37	500	120	High duty intercity & regional traffic	B1	OBB E-Talent, SNCF NAT
F718	9 t	200	500	0.37	350	120	Intercity & regional traffic		Coaches with high thermal sollicitation
F707	9 t	200	450	0.35	350	120	Passenger coaches and metro	4.2	VALE passenger coaches, Metro Hanoï
F730	9 t	200	450	0.35	100	80	Intercity & regional traffic		Bombardier Turbostar & Electrostar type fleet
F732	9 t	200	500	0,37	120	80	Intercity & regional traffic		Alstom Vlocity fleet
F666	7,5 t	200	450	0.35	450	120	Intercity & regional traffic	4.2	UIC coaches & metro
F690	8 t	120	450	0.35	550	80	Metro		RATP Metro MP89-05 / MF88 / MF67

Preliminary UIC homologation

UIC approved



Vlocity, Victoria

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