

COMPONENTS

Sintered brake pads

FOR REGIONAL, HIGH-SPEED VEHICLES AND LOCOMOTIVES



Alstom offers a range of brake pads according to different market standards. These products are used in EMU & DMU, locomotives or high energy applications such as high-speed TGV.

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 life cycle cost but also are environmentally friendly.

Key references

- SNCF TGV fleet
- Smart-Co ICNG
- NTV Pendolino
- Thalys fleet
- Eurostar fleet
- OBB Taurus Loco
- Actren ATPRD
- LHB coaches

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 particles emissions. This leads to an improved passenger comfort.

Outstanding lifecycle cost

Alstom works hand in hand with customers to provide the best lifecycle 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 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/cm ²)	Operational capabilities	UIC Category	Applications
GT10-03	up to 12 t	360	600 - 900	0.35	Flexible	120	Very high speed train & EMU	C2	Smart-Co ICNG
GT8-03	> 200 km/h: up to 12 t < 200 km/h: up to 4 t	250	600 - 900	0.35	Flexible	100	High speed train & EMU	D1 / D2	Alstom Pendolino
GT8-08	up to 12 t	250	600 - 900	0.38	Flexible	100	Heavy EMU & DMU	--	SNCF Regiolis
CT20	up to 10 t	320	600 - 900	0.33	Flexible	120	High speed train	--	High speed trains
LLC-024	up to 10 t	220	600 - 900	0.38	Semi-flexible	200	EMU & DMU	--	Talgo Coaches in Russia
LLC-026	up to 10 t	200	600 - 900	0.34	Semi-flexible	200	Coaches	--	LHB India LHB
G34	up to 8 t	160	600 - 900	0.35	Rigid	250	Freight wagon	--	EMU
G35	up to 8 t	320	600 - 900	0.40	Rigid	250	High speed trains - Locomotives	5A	AMD on high-speed trains/locomotives 20 years REX on TGV, Thalys, Eurostar, Taurus loco
G40	up to 8 t	120	600 - 900	0.35	Rigid	250	Freight	--	Rollende Landstrasse - ÖBB
G367	up to 5 t	200	600 - 900	0.40	Rigid	200	EMU & DMU	--	EMU Mounted on Actren ATPRD
TR10	up to 8 t	100	600 - 900	0.35	Rigid	250	LRV	---	Flange mounted disc on LRV CAF Urbos Stockholm, BT Flexity Toronto Metrolinx, Edmonton LRT

 Preliminary UIC homologation

 GOST Certification



Avelia Pendolino, Poland

FOR MORE INFORMATION:

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