



### DELLNER IS AN INDUSTRY LEADER IN THE **DESIGN**, MANUFACTURE AND SERVICE OF TRAIN CONNECTION SYSTEMS FOR TRAIN BUILDERS AND RAIL OPERATORS WORLDWIDE.

Dellner started exploring the Italian market in 2006 through the local agent representation. In 2011 the first Italian Dellner subsidiary was opened and today our office, equipped with a complete workshop, is situated near Turin. Initially focusing on the Italian market, our Turin location gradually broadened its scope and now handles Train Connection System markets in Spain, Greece, Portugal, Saudi Arabia, and Dubai as well.

In Italy, we have a committed team responsible for various service areas, including couplers overhauls, repairs, upgrades, and training. Moreover, we are also the main point of contact for train producers searching for new products.

#### **SINCE 2006 DELLNER ITALY:**

#### HAS SOLD LOCALLY:

- 1350 automatic couplers
- 2000 semi-permanent couplers
- 118 front hatch mechanisms

#### HAS OVERHAULED LOCALLY:

- **1350** automatic couplers
- **II00** semi-permanent couplers

## **SERVICES OFFERED:**







**MODERNISATIONS** 



REPAIRS



**TRAININGS** 



SPARE PARTS



# OUR DELLNER ITALY SALES TEAM



**AGA BROL**BUSINESS UNIT MANAGER



CIRO AMMIRATI SALES ENGINEER



FRANCESCA D'ANTUONO
AREA SALES MANAGER



**STEFANIA FONTE**PROJECT & QUALITY MANAGER























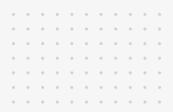












# NTV ETR675

The train is a high-speed train produced by Alstom for the Italian private railway operator Nuovo Trasporto Viaggiatori (NTV).

The ETR 675 is part of the Avelia family, operating throughout Italy.

The ETR 675 is part of the Avelia family, operating throughout Italy. Dellner equipped the fleet with automatic couplers with head type 10 as well as semi-permanent couplers.

Customer/car builder:	Alstom Italy
Platform:	ETR675
Operator:	NTV
Products:	Automatic couplers: 56 pcs
	Semi-permanent couplers: 336 pcs
Qty of trains:	25
Location:	Italy
Time:	2016



Source: https://www.railjournal.com/passenger/high-speed/ntv-launches-first-evo-pendolino-trains-in-italy/



Alstom's AGV (Automotrice à grande vitesse) series was a line of high-speed trains, and NTV used the AGV trains as part of their fleet. The AGV trains are known for their advanced technology, including distributed traction and improved aerodynamics. These trains were designed to be efficient, fast, and ensure passengers a comfortable travel experience. Dellner equipped the fleet with automatic couplers with head type 10 and front hatch mechanisms.

Customer/car build	der: Alstom Italy
Platform:	AGV575
Operator:	NTV
Products:	Automatic couplers: 56 pcs
	Front hatch mechanisms: 54 pcs
Qty of trains:	25
Location:	ltaly
Time:	2019



Source: https://www.targatocn.it/typo3temp/pics/n\_8f9c044ee7.jpg

# TRENITALIA ETR600

The ETR 600 is a high-speed train produced by Alstom for Trenitalia, the primary train operator in Italy. The ETR 600 belongs to Pendolino family and operates on the high-speed and conventional rail network in the country. Dellner equipped the fleet with automatic couplers with head type 10, semi-permanent couplers and front hatch mechanisms.

Customer/car builder:	Alstom Italy
Platform:	ETR600
Operator:	Trenitalia
Products:	Automatic couplers: 38 pcs
	Semi-permanent couplers: 228 pcs
	Front hatch mechanisms: 38 pcs
Qty of trains:	19
Location:	Italy
Time:	2005



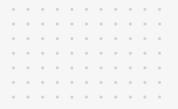
Source: https://commons.wikimedia.org/wiki/Category:ETR\_600#/media/File:108\_495\_Bf\_Venezia\_S.L.,\_ETR\_600.jpg

# METRO CATANIA FCE

Titagarh delivered 20 trains to Metro Catania to match the expansion of the fleet. The trains were more environmentally friendly thanks to a substantial 10% reduction in weight compared to the existing trains running on Catania's sole metro route. These state-of-the-art trains came equipped with advanced climate control systems and two powered bogies per carriage, ensuring remarkable acceleration capabilities. Dellner equipped the fleet with automatic couplers with head type 10 together with front covers, semi-permanent couplers as wells as crash buffers.

Customer/car builder:	Titagarh Firema
Platform:	Metro Catania
Operator:	FCE
Products:	Automatic couplers: 40 pcs
	Semi-permanent couplers: 40 pcs
	Crash buffers: 80 pcs
	Front covers: 40 pcs
Qty of trains:	20
Location:	Italy
Time:	2020





# **AMT GENOVA**METRO GENOVA

New 14 trains equipped with Dellner automatic couplers with head types 330 will be supplied in 2023 to ATM Metro Genoa by Hitachi to connect an increasing number of people with sustainable way of travelling. Each of the new trains is made up of four carriages with an overall capacity of 290 passengers. To allow a greater operative flexibility, the new trains will be able to run coupled with third generation vehicles currently in service on the city's infrastructure.

Customer/car builder: Hitachi	
Platform:	Metro Genova
Operator:	AMT Genova
Products:	Automatic couplers: 28 pcs
Qty of trains:	14
Location:	ltaly
Time:	2022



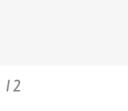
Source: https://www.railway-technology.com/wp-content/uploads/sites/13/2022/02/MM-31.jpg



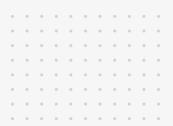
Titagarh Firema will deliver to Astral 15 EMU 6-cars for the Metromare line (Roma-Ostia) and 18 EMU 4-cars for the Rome-Viterbo line, of which 12 are for the urban section and 6 for the Extra-urban section. All the fleet will be equipped with Dellner automatic and semi-permanent couplers, as well as crash buffers.

Customer/car builder:	Titagarh Firema
Platform:	Metromare & Rome-Viterbo
Operator:	Astral
Products:	Automatic couplers: 40 pcs
	Semi-permanent couplers: 154 pcs
	Crash buffers: 80 pcs
Qty of trains:	38
Location:	Italy
Time:	2023









# TRENITALIA TAF

TAF is an Italian Electric Multiple Unit (EMU) used mainly on regional commuter trains. The double deck was produced between the end of the 90s and the beginning of 2000, being the first Italian EMU specifically designed for commuter service. It can run in multiple configurations (up to 2 trains) thanks to Dellner automatic couplers, while the car to car connection consists of standard UIC hooks and buffers. From 2006 Dellner has been overhauling the automatic couplers with head type 10.

Coupler manufacturer:	Dellner
Service:	Overhaul of automatic couplers: 280 pcs
Quantity of trains:	150
Location:	Italy
Year of overhaul:	From 2006 - ongoing
Customer:	TRENITALIA



# METRO ROMA MA300

Metro Rome MA300 operates on Lines A and B of the Italian capital metro network. These units consist of 6 cars with an unobstructed corridor that enables passenger traffic along the whole train. While overhauling the OEM couplers, Dellner offered an improved solution for pivot bushing. Replacing this type of bushing with a more up-to-date version caused less wear on the pivot anchor, which in turn extended the longevity of the coupler's components.





 $Source: https://www.caf.net/upload/productos/slider\%20 proyectol \cite{Continuous} jpg$ 



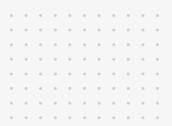
# **TRENITALIA** ETR600

The ETR 600 is a high-speed train produced by Alstom for Trenitalia, the primary train operator in Italy. The ETR 600 belongs to Pendolino family and operates on the high-speed and conventional rail networks in the country. Since 2021, Dellner has been responsible for overhauling the automatic and semi-permanent couplers.

Coupler manufacturer:	Dellner
Service:	Overhaul of automatic couplers: 20 pcs
	Overhaul of semi-permanent couplers: 122 pcs
Quantity of trains:	19
Location:	Italy
Year of overhaul:	2021- ongoing
Customer:	Alstom Italy



Source: https://trainpics-vol-2.startbilder.de/bild/italien~elektrotriebwagen~etr-600/666219/fs-etr-600-bozen-17072019.html



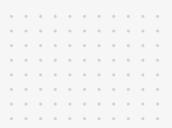
# METRO GENOVA AMT GENOVA

AMT articulated electromotive were produced by Ansaldobreda for Metro Genova. While overhauling the train's OEM automatic couplers, Dellner replaced the pneumatic centering device with a pneumatic version. The benefit for the customer was a cheaper solution in line with the actual use of the couplers during service.

Coupler manufacturer: Dellner	
Service:	Overhaul of automatic couplers: 25 pcs
Quantity of trains:	12
Location:	Italy
Year of overhaul:	2016- 2022
Customer:	METRO GENOVA



Source: http://www.metrogenova.com/data1/images/trenill/iigenerazione01.jpg



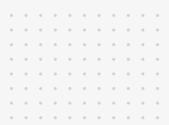
# METRO VALENCIA FGV

The FGV series 4300 is a series of trains designed by Vossloh for suburban service of the Valecia Metro in 2006-2011. The fleet is equipped with Dellner automatic and semi-permanent couplers. Dellner Service has been responsible for overhauling these couplers since 2021.

Coupler manufacturer:	Dellner
Service:	Overhaul of automatic couplers: 40 pcs
	Overhaul of semi-permanent couplers: 120 pcs
Quantity of trains:	30
Location:	Spain
Year of overhaul:	2021- ongoing
Customer:	Metro Valencia



Source: https://static.wixstatic.com/media/abddbc\_140184b9a18d49b9b7c1b869b5e7162c~mv2.png/v1/fill/w\_740,h\_391,al\_c,q\_8 
5,usm\_0.66\_1.00\_0.01,enc\_auto/abddbc\_140184b9a18d49b9b7c1b869b5e7162c~mv2.png



### **METRO MADRID**

Trains running on Madrid Metro lines 7 and 10, are produced by former Ansaldobreda (now Hitachi Rail). They are equipped with Dellner automatic and semi-permanent couplers.

The trains are extremely functional for passengers since they featurewide doors and gangways, allowing quick boarding and passage through all six train carriages.

Coupler manufacturer:	Dellner
Service:	Overhaul of automatic couplers: 15 pcs
	Overhaul of semi-permanent couplers: 35 pcs
Quantity of trains:	57
Location:	Spain
Year of overhaul:	2020- ongoing
Customer:	Hitachi Spain Madrid



Source: https://www.metromadrid.es/en/press-release/2020-09-09/the-community-of-madrid-renews-more-than-I-200-metro-train-chars.



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