



#### New 22.5 x 11.75 Alcoa wheel with 5000 kg load index



Alcoa Wheel Products Europe introduces a new 22.5 x 11.75 wheel with 120 mm offset and 5000 kg load index for truck front steer axles and trailer axles.

The new wheel weighs only 23.6 kg and is available with Ø 26mm mounting holes in four finishes:

Brushed	819520
Mirror Polished	819521
Dura-Bright®	819521DB
Dura-Flange®	819520DF

Rim flanges are engineered to a unified rim flange design, allowing to accommodate both adhesive and clip-on balancing weights.

The new FrontRunner® is interchangeable with the current wheels and has passed European LBF Eurocycle tests, as well as SAE J267 wheels/rim truck tests.

#### 5,000,000th Alcoa wheel in Europe – and the lucky winner is ...

Since Alcoa sold the first aluminium truck wheels in Europe in 1978, we have not only celebrated 30 years of commercial activities, but also the 5,000,000th wheel on the European roads.

This 22.5 x 11.75 offset 120 wheel in Dura-Bright® finish was sold to the German trailer manufacturer Meierling in Hagen, who fitted it on a tipper for Rolf Augst Baustoffe in Wuppertal. To celebrate this occasion, Alcoa offered one set of free of charge wheels to Rolf Augst Baustoffe.

This company operates 22 trucks and 22 trailers to transport construction materials. 16 of these trailers, manufactured by Meierling, are made of aluminum in order to generate maximum payload.



*"We have been an Alcoa customer for more than 10 years. All our vehicles are equipped with Alcoa aluminium wheels. Besides the extra payload, the appearance of our trucks and wheels is also very important for us. Alcoa wheels offer these advantages all in one", says Managing Director Thomas Augst. "To make sure that we are always on the road with clean and shiny wheels, we started specifying the easy-to-clean Dura-Bright® wheels three years ago and we are still extremely satisfied with them."*

## Alcoa wheels against the forces of nature



Although prejudices are hard to break, this does not count for Alcoa's forging technology which makes our aluminium wheels 5 times stronger than steel wheels. The two examples herewith prove the intrinsic qualities which Alcoa wheels bring to everyday life even under the most extreme conditions. For those who have tested Alcoa wheels, there is no doubt...

Over the years Patrick Marzat, Director of Depann'Express based in Gond-Pontouvre, France, developed his business in car transport and tow truck services. Today he operates 24 vehicles. He asked bodybuilder Jigé to transform a DAF XF 510 truck into one of the most impressive tow trucks in France.

Think a net weight of 27.4 tons and a gross vehicle weight rating of 120 tons, packed with state-of-the-art equipment to work under the safest conditions. Each equipment has been designed to the smallest detail, and Alcoa distributor FC Promotion also contributed its own expertise.

In order to upgrade his vehicle and improve its everyday use, Patrick Marzat equipped his DAF 8x4 with Alcoa Dura-Bright® wheels. His truck is now ready to intervene in whatever conditions, thanks to the easy maintenance of his Alcoa wheels, something which adds to the image of his company.



In Northern Europe we often see spectacular vehicles, but in France this is more unusual. Stéphane Chamot (right on the picture), owner-driver, did not think twice about going that extra mile and developing a vehicle with specifications unique in France. Based on a Volvo 700 horsepower FH 6x4 truck and a trailer with 4 twin axles, the vehicle has a net weight of 25 tonnes. With an allowed gross vehicle weight of 57 tonnes, it can transport more than 80 m<sup>3</sup> of wood. He already tested and approved Alcoa Mirror Polished wheels on his previous Volvo truck. So he also specified them on this configuration, but this time he went for the Dura-Bright® finish.



Alexandre Daubié (left on the picture) – Sales Advisor at Volvo dealer Bassigny Poids Lourds – ordered the truck with Alcoa Dura-Bright® wheels directly from the Volvo plant. Given the number of wheels on this vehicle and the loading sites situated in the middle of the woods, Stéphane Chamot can now clean his wheels quickly and easily, whilst also benefiting from the unrivalled forged strength of Alcoa wheels.

## New Alcoa wheels specification sheet 2010-2011

Since we presented the April 2009 Alcoa specification sheet, we made quite some improvements to the range of Alcoa forged aluminium wheels, so high time to develop a new overview of our products!

Wheel Size	Product Code	Weight	Offset	Hub	Flange	Material	Notes
17.5\"/> <td>17.5R225</td> <td>100</td> <td>0</td> <td>100</td> <td>100</td> <td>Alcoa</td> <td>adhesive</td>	17.5R225	100	0	100	100	Alcoa	adhesive
	17.5R225	100	120	100	100	Alcoa	adhesive
	17.5R225	100	120	100	100	Alcoa	clip-on
	17.5R225	100	120	100	100	Alcoa	adhesive
19.5\"/> <td>19.5R225</td> <td>120</td> <td>0</td> <td>120</td> <td>120</td> <td>Alcoa</td> <td>adhesive</td>	19.5R225	120	0	120	120	Alcoa	adhesive
	19.5R225	120	120	120	120	Alcoa	adhesive
	19.5R225	120	120	120	120	Alcoa	clip-on
	19.5R225	120	120	120	120	Alcoa	adhesive
22.5\"/> <td>22.5R225</td> <td>150</td> <td>0</td> <td>150</td> <td>150</td> <td>Alcoa</td> <td>adhesive</td>	22.5R225	150	0	150	150	Alcoa	adhesive
	22.5R225	150	120	150	150	Alcoa	adhesive
	22.5R225	150	120	150	150	Alcoa	clip-on
	22.5R225	150	120	150	150	Alcoa	adhesive
Workhorse	22.5R225	150	0	150	150	Alcoa	adhesive
	22.5R225	150	120	150	150	Alcoa	adhesive
	22.5R225	150	120	150	150	Alcoa	clip-on
	22.5R225	150	120	150	150	Alcoa	adhesive

The new 22.5 x 8.25 wheels are available since November 2010. The rim flange has been changed to accommodate adhesive and clip-on weights on the open side of the wheel. The closed side of this wheel only allows for adhesive weights. Further changes to the rim flange design will be made in 2011 to accommodate clip-on weights on the closed side of the wheel.

The new 22.5 x 11.75 wheels with offset 0, 120 and 135 mm can accommodate both adhesive and clip-on weights and are available since November 2010.

The new 17.5 x 6.75 medium duty truck wheel will be available early 2011.

The 22.5 x 9.00 wheels with unified rim flange design will be available in April 2011.

The clip-on balancing weights for the new Alcoa wheels have been developed in cooperation with the following two balancing weight manufacturers - Wegmann Automotive for the Hofmann Power Weights - [www.wegmann-automotive.de](http://www.wegmann-automotive.de) and [www.dionys-hofmann.com](http://www.dionys-hofmann.com) - Remog S.p.A. - [www.remog.it](http://www.remog.it) and will be available at these companies end of 2010.

We will keep you up-to-date of further improvements to our range of wheels in future newsletters. A new specification sheet is available on our website.

[http://www.alcoa.com/alcoawheels/europe/en/info\\_page/wheel\\_specs\\_technical.asp](http://www.alcoa.com/alcoawheels/europe/en/info_page/wheel_specs_technical.asp)

## J.L. Mijnders Transport specify Alcoa wheels for reasons of low weight, high quality, safety, good looks and low maintenance

J.L. Mijnders Transport, founded in 1928, is an international transport company based in Melissant, the Netherlands.

They are the biggest independent tanker transport company of the Benelux and market leader in this segment. Located between the ports of Antwerp and Rotterdam, they specialize in transport of tank- and box-containers. Also ferry transport and inter-modal transport belong to their activities.

They operate over 100 trucks and around 120 trailers. The majority of these vehicles are equipped with Alcoa wheels because of the lower weight of these aluminium wheels. A clean look of the units is also important for Mijnders and therefore all new vehicles are ordered with Alcoa Dura-Bright® wheels.



Mr. Mijnders states: "When specifying our trucks and trailers, we try to achieve the lightest possible, but equally safe vehicles. We want to be able to load the maximum of goods. The additional kilos gained by making the vehicle as light as possible, gives us the highest possible revenue for every trip. Alcoa wheels are helping us achieve this. Equally important for us are the high quality, safety, good looks and low maintenance of these wheels."

## New refrigerated semi-trailer introduced at IAA

The company TTT The Team Composite AG, headquartered in Stade, Germany, employs a team of engineers with special expertise in the development and implementation of commercial vehicle technologies in general, and carbon fiber applications in particular.

A new refrigerated semi-trailer was presented at the 63rd IAA in Hannover, Germany. The tare weight of the trailers is reduced by using ultra-light and highly stable carbon.



This gives the trailer not only an aerodynamic outline, but also reduces both fuel consumption and CO<sub>2</sub> emissions. At the same time, innovative technology is combined with sustainable environmental aspects. Another benefit for our environment: the innovative refrigerator uses CO<sub>2</sub> as natural cooling liquid in a closed circuit.

The reefer at the IAA was equipped with Alcoa wheels.

Mrs. Ria Kaiser, chairman and CEO of TTT The Team Composite AG, explains: "One of the key objectives of this project is weight reduction. The use of Alcoa aluminium wheels makes it possible to reduce the weight of a truck/trailer combination by up to 250 kg."

The first refrigerated semi-trailers will be deployed by the ALDI SÜD Group. The start of production is planned for 2015.

## New heavy duty truck speed world record

On June 9, 2010, Boije Ovebrink set two world truck speed records in the 500 and 1000 metres at Hultsfred Airport, Sweden.



The record, which showed an average speed of 130.862 km/h (500 metres) and 166.698 km/h (1000 metres), is still unofficial. The results will be reviewed by the FIA before they are acknowledged as official records. The record is calculated on the basis of average speed over the entire course, but when Boije crossed the finishing line he was clocked at just over 250 km/h.

For some time, Boije has been working to set new records with a specially built Volvo VN, in collaboration with Volvo Trucks, various other sponsors, including **ALCOA WHEEL PRODUCTS EUROPE** and a team of enthusiasts. The Volvo engine that powers his truck is built to deliver a massive 2,000 horsepower and up to 5,000 Nm of torque.

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