

# Towbars

[www.vapos.cz](http://www.vapos.cz)



# VAPOS

For Passenger Cars



# VAPOS

## towing devices development

VAPOS has been manufacturing towing devices for passenger cars since 2013.

In 2014, our own retractable system has been patented and subsequently homologated.

Mass production of retractable towing devices for passenger cars Škoda Octavia III began a year later.

In 2021, the Škoda-Auto a.s. assembly plant started installing detachable towing devices VAPOS into passenger cars Škoda Fabia.

Manufacturing process of VAPOS towing devices employs state-of-the-art technologies, such as robotic welding and CNC machining.

Final inspection involves the use of 3D measuring centres.

Dynamic tests are performed with a 3-Axis testing device, using the CARLOS TC/BC protocol.

VAPOS company is certified with ISO/TS 16 949 and ISO 9001 quality control systems, and the company undergoes annual certification.

## Towbars production



## We focus on

precision and maximum quality. We have been suppliers for more than 20 years to the automotive industry and these years of experience are implemented in the production of towbars that are suitable for OEM requirements.

# Advantages of VAPOS towing devices

Speed of use

Easy handling

Maintenance-free

Resilient to external conditions  
(water-resistance)

Aesthetically unobtrusive

Electrical socket integrated directly  
into the towing hook

Embedded eyelet for attachment of safety cord

Ready for towing with single press  
of a button or push of a lever



**01** Retractable – semi-automatic

**02** Retractable – manual

**03** Detachable – vertical

# Towing Device Types

## Retractable – semi-automatic

With a single press of a button, located inside the luggage compartment, the towing device automatically folds out from its “resting” position, driven by an electric actuator. Quick one-handed motion then moves the towing hook into its operating position, where it automatically and securely snaps into place. The entire mechanism can be hidden away using the same procedure in reverse order.

Correct position of the towing hook is confirmed by an acoustic or visual signal.

VAPOS semi-automatic retractable system comes fitted with an outlet, directly integrated into the towing hook, that facilitates electrical connection between the car and a trailer or bicycle carrier. VAPOS towing devices were designed and engineered to provide drivers with easy access and utmost comfort.

The semi-automatic retractable towing device, installed behind the car bumper, consumes very little space and becomes practically invisible when not in use. It poses no hindrance whatsoever to any of the essential car functions, such as control of reversing lights, reverse motion distance monitoring, or opening of luggage compartment via foot switch, which remain usable to their full extent.

This towing device is intended for customers who desire to protect the aesthetic qualities of their car.



## Technical information

D-value = 10.4 – 12.6 kN

Max. trailer weight = 2 500 kg

Max. vertical load = 100 kg

# Retractable – manual

VAPOS manual retractable system provides rapid deployment and easy, ergonomic handling.

Naturally, it comes with an electrical socket, directly integrated into the towing hook, a necessity for electrical connection of a car and a trailer or bicycle carrier. This ensures easy access and maximum comfort during use.

The manual retractable towing device is permanently hidden under the car bumper. A simple push of the control lever releases it from its secured position. The towing hook can then be easily moved and fixed into its active operating position. Following the same procedure in reverse hides the mechanism back again.

Correct position of the towing hook is confirmed by an acoustic or visual signal. The manual retractable towing device, installed behind the bumper, consumes very little space and becomes practically invisible when not in use. It poses no hindrance whatsoever to any of the essential car functions, such as control of reversing lights, reverse motion distance monitoring, or opening of luggage compartment via foot switch, which remain usable to their full extent.

Just like in the case of the semi-automatic retractable system, the manual retractable towing device is intended for customers who prefer to hide the visible parts of the towing system away.



## Technical information

D-value = 10.4 – 12.6 kN  
Max. trailer weight = 2 500 kg  
Max. vertical load = 100 kg

# Towing Device Types

## Vertically detachable

The device is hidden under the car bumper and its towing hook is only attached during use.

The towing hook can be attached using a simple vertical sliding motion from below. Engineered with ease of handling in mind, the towing device can be used by any user, regardless of their skill.

Whenever not actively used, the towing hook can be detached from the system using one simple motion.

Upon attachment, the towing hook automatically and securely snaps into place.

The device comes fitted with an anti-theft lock.



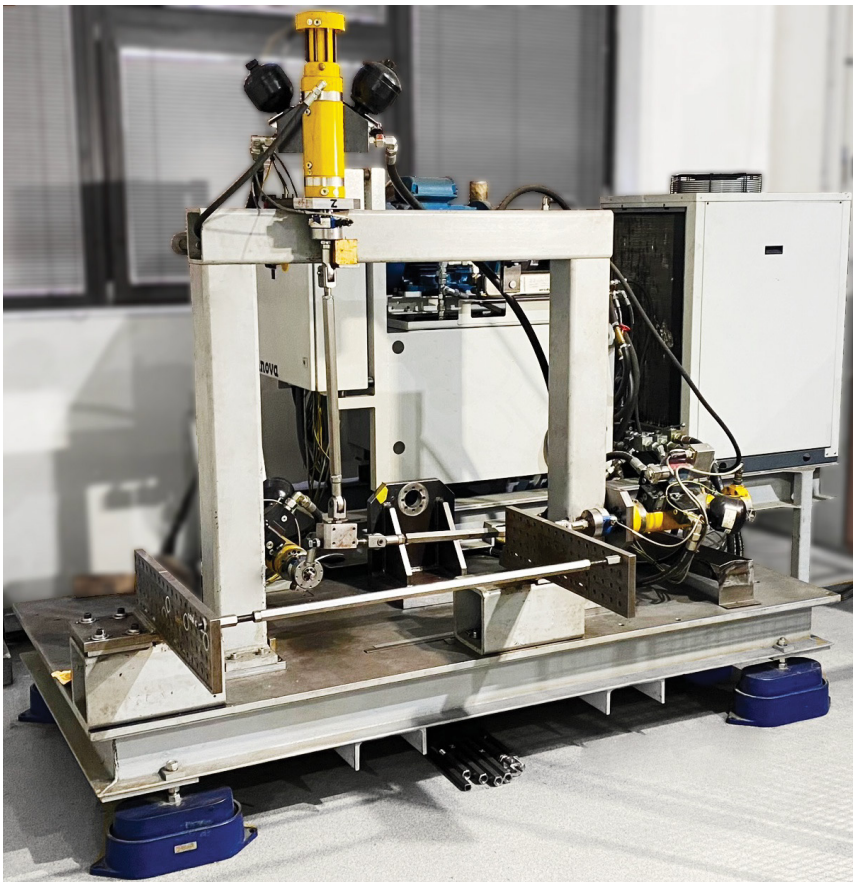
## Technical information

D-value = 10.6 kN  
Max. trailer weight = 2 000 kg  
Max. vertical load = 100 kg



## DYNAMIC 3-AXIS TESTING EQUIPMENT

VAPOS, through its cooperation with certification authority TÜV SÜD, is capable of performing official tests, including approval procedures.



## Technical information

Maximum D-value: 14 kN  
CARLOS Test TC/BC  
1-Axis Testing

## ELECTRICAL INSTALLATION

VAPOS towing devices by design conform to established trends in the industry. As standard, it is possible to use any common type of wiring kit, currently available on the market, used for other towing devices manufacturers. They are available in 7-pin and 13-pin versions.



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