



Work-related Road Safety at Dräger

ETSC, PRAISE Seminar
Dublin, January 31, 2019, Bettina Velten

Dräger in profile

The company in figures



Employees	13,739 (2017)
Net sales	EUR 2,572.3 million (2017)
Chief Executive Officer	Stefan Dräger (family-run)
Form of business organization	AG & Co. KGaA
Headquarters	Lübeck
Production sites	Germany, Chile, China, Czech Republic, Norway, South Africa, Sweden, United Kingdom, USA
Sales and service branches	in approximately 50 countries

34

new products
each year*

223

patents
registered each year*

6,452

alcohol measuring devices
produced per month*

6,471

local sales and service
employees*

* Figures from fiscal year 2017

Markets

Our customers





More than **2,800** company cars are currently registered to Dräger throughout Europe.

Since 2010, we have been converting our vehicle fleet, which we are constantly renewing, to environmentally friendly cars. Our main focus in this process is on low fuel consumption and low CO₂ emissions.

In addition, video and telephone conference calls are helping us increasingly avoid trips by car and plane.

The majority of the passenger cars are used by our service technicians. They service medical devices in hospitals, e.g. incubators, anesthesia working places, monitoring system, as well as portable and stationary gas detection systems in the industry.

~ **1,400** company cars are used by our colleagues in Germany.

Vehicles of the sales, service and installation departments:
(Mercedes C- / E-Class, FORD Mondeo, Focus, Galaxy...)



Vehicles of the executive board / employees:
(Mercedes C- / E-Class, Tesla, BMW i3)

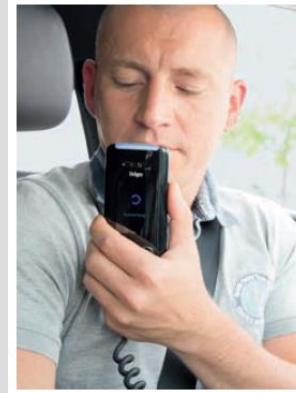
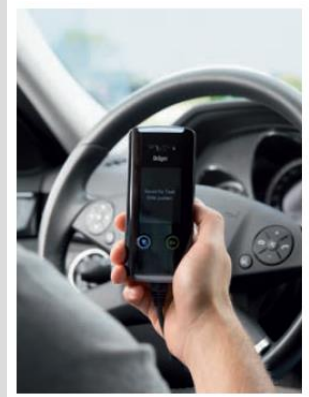


Cars are leased by Draeger for 36 months and are replaced after that time.
Emission standard: EURO 6

Benefits:

- always latest vehicle technology including driving assistance systems, e.g. lane departure warning system, brake assistant and distance control, speed controller, parking system front and back, dead angle assistant, pre- and post collision assistant, headlights assistant with day / night sensor.
- low fuel consumption

Alcohol-Interlocks are retrofitted at the garage (Mercedes, Ford, BMW, Renault...), where the employee is located.



1.

Switch on ignition

2.

Request to provide a breath sample

3.

Measurement of breath alcohol concentration

4.

Breath sample accepted: Starter is released

5.

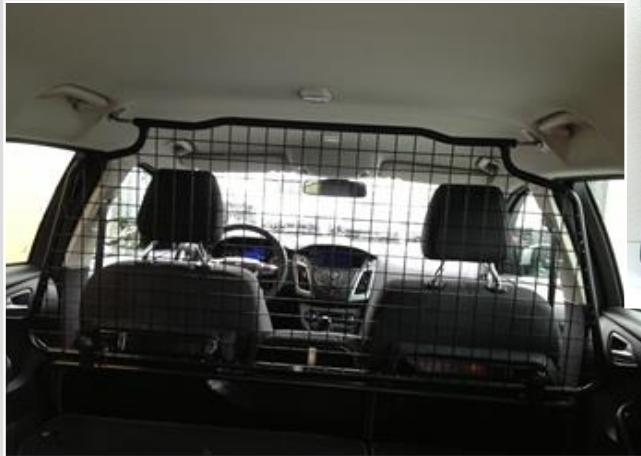
Start the engine

The driver has to perform a breath test – only if he has passed the test, he can start the engine.

Parameter settings of the device:

- 0,3 ‰ / 0,15 mg/L
- free start timer: 30 minutes
- voluntary data recording
- only a test to start the engine, no re-tests during the journey

Load Securing acc. to § 22 StVO (Road Traffic Regulations) & DGUV 70 (Accident Prevention Regulation of the German Social Accident Insurance)



Safety Guard



Safety Guard Bag



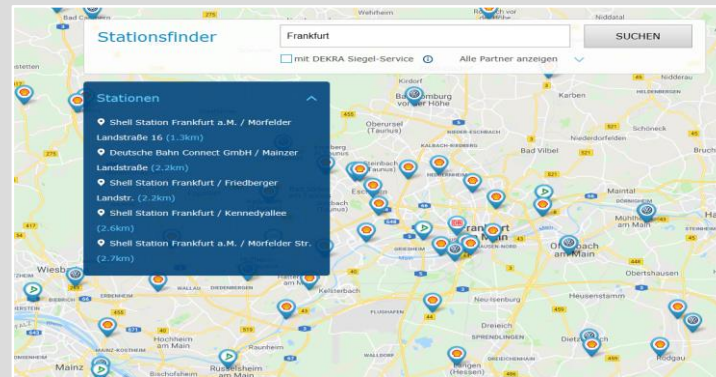
A fire extinguisher is mandatory, if gas bottles are transported with the company cars

Owner Liability (Halterhaftung) acc. to § 21 StVG (Road Traffic Act)

Inspection obligations of the employer when supply a company car to the employee

The employer is legally required, to

- check, if the employee has a valid driver license (not a copy) at the time, he receives the company car
- check two times per year, if the driver license is valid. Draeger uses “LapID” to check the licenses automatically on time. The driver can use the “LapID” terminals all over Germany on the Shell stations, Dekra, Draeger...



KRAFTHAND.medien Prüf-Checkliste/Protokoll (UVV-Prüfung BGV D29)
Pkw/Leichttransporter *

Gewerbetreibende sind nach § 57 Abs. 1 der Unfallverhütungsvorschrift (UVV), „Fahrzeuge“ (BGV D29, bisherige VBG 12) verpflichtet, ihre gewerblich genutzten Fahrzeuge durch sachkundige Prüfer auf einen betriebssicheren Zustand prüfen zu lassen. Wer dieser Verpflichtung nicht nachkommt, riskiert ein Bußgeld. Die Prüfung muss einmal im Jahr erfolgen und entsprechend dokumentiert werden. Die Prüfergebnisse sind gemäß § 57 Abs. 2 der UVV, „Fahrzeuge“ schriftlich niederzulegen und bis zur nächsten Prüfung im Fahrzeug mitzuführen. Die Prüfung ersetzt nicht die amtliche Hauptuntersuchung (HU).

Fahrzeughalter	Hersteller/Modell
Straße	amtl. Kennzeichen
PLZ/Ort	km-Stand

Verkehrssicherheit/ Arbeitssicherheit/ Ausrüstung

	i. O.	n. I. O.	Mängelbeschreibung/ Behebung
Zustand/ Funktion der lichttechnischen Einrichtung	<input type="checkbox"/>	<input type="checkbox"/>	
Zustand/ Funktion Scheibenwischer/ Waschanlage	<input type="checkbox"/>	<input type="checkbox"/>	
Zustand/ Funktion Spiegel	<input type="checkbox"/>	<input type="checkbox"/>	
Zustand Verglasung/ Beschädigung/ freie Sicht	<input type="checkbox"/>	<input type="checkbox"/>	

- The company cars must be checked once a year for their operational reliability by an expert. A garage has to check the car (independent from the annually general inspection) and to fill out this checklist. Detailed procedure is described in the Accident Prevention Regulation DGUV 70 (for vehicles) Published by the Professional Association (Berufsgenossenschaft) and the German Social Accident Insurance
- In addition to that, Draeger has a **company car policy**, which includes e.g.
 - regulation for additional drivers (family members)
 - insurances covered by Draeger
 - handling of repairs (...)

Driver Training

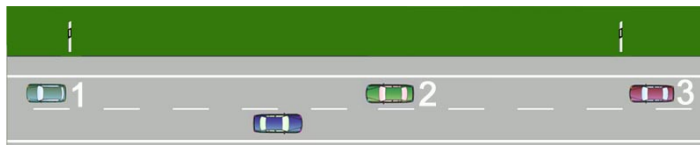
acc. to the German Occupational Safety and Health Act

Arbeitsschutzgesetz §12 / DGUV V1, §4 Training & Documentation

- The drivers have to undergo a yearly training (web based training) via LapID. In co-operation with LapID Draeger developed a training which includes topics of road safety, load securing, driving styles in dangerous situations, protective measures, rules of conduct and first aid...
- The employee has to do a test at the end of the training
- The training and the results need to be documented



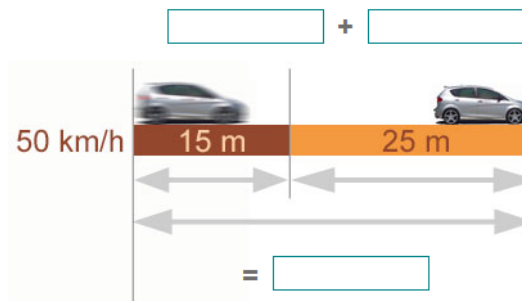
Mit welcher Abstandsregel halten Sie immer einen ausreichend sicheren Abstand?



Was ist beim Fahren in der Dämmerung und bei eingeschränkten Sichtverhältnissen zu beachten?

- Der Abstand zwischen Fahrzeug 2 und 3 ist ausreichend, weil hier ca. 4 Autolängen Abstand eingehalten werden.
- Alle drei Fahrzeuge halten einen ausreichenden Abstand.
- Fahrzeug 2 hält einen ausreichend sicheren Abstand zu Fahrzeug 1, wenn Fahrzeug 2 erst nach 3 Sekunden dort ist, wo sich jetzt noch Fahrzeug 1

Bremsen - Bremsen - Bremsen
... Beispiele für normale Verkehrssituationen



Kein Alkohol am Steuer - Don't drink and drive!



Examples for a web-based training / Source: <https://www.bgetem.de/medien-service/interaktiv-lernmodule-sicherheit-und-gesundheit-am-arbeitsplatz/allgemeine-themen/ladungssicherung>

Thank you for
your attention.

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