

Fill it Up!

with febi Fluids



**SOLUTIONS
DRIVEN BY YOU**

www.febi.com

bilsteingroup®

febi Truck - Your Specialist for Commercial Vehicle Replacement Parts

Ferdinand Bilstein is one of the world's leading suppliers and manufacturers of repair solutions for commercial vehicles and passenger cars.

The company has been producing replacement parts for trucks, trailers and buses for decades. With an extensive and rapidly-growing product portfolio, febi Truck is in a position to offer tailor-made solutions for every customer.

The febi brand is firmly established in the Independent Automotive Aftermarket (IAM). In the commercial vehicle sector, it has a leading market position for steering and suspension, braking, clutch and engine thermal management products.

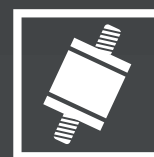
Broad Selection

With a selection of more than 13,000 replacement parts and 37,500 applications in OE-matching quality, febi Truck ensures optimal availability of commercial vehicle components for all popular European brands (the 'BIG 8').

Some of our products, such as king pins and sets, clutch release forks and oil and water pumps, are manufactured at our in-house production facility. The strict quality requirements for the production of precision parts are consistently transferred to all partner manufacturers.



Steering
& Suspension



NVH



Wheel Fastening



Braking



Chassis
Suspension



Pneumatics



Clutch



Drivetrain



Engine
Components



Fuel & Exhaust
System



Auxiliary
Belt Drive



Engine Thermal
Management



Air-Conditioning
& Heating



Engine
Management



Electrics



Chassis & Cabin



Filtration



Fluids



Specialist Tools



febiPLUS

Fill it Up!

with febi Fluids

Whether you're working on the field, transporting heavy weight, or simply delivering parcels for work, every truck, bus, and off-highway vehicle needs high-quality fluids & chemicals to ensure reliability and performance. From powerful trucks and buses to tractors and everything in-between, febi has what you're looking for - from start to finish.

A constantly growing quality range of OE-specification products is complemented by an easy-to-use online catalogue and fast delivery to your company, workshop, or wholesaler.

The end result? Well maintained and reliably working machines and vehicles all round. On or off the highway, febi has whatever you need, whenever you need it - providing the right solution for you, your vehicle, and your fleet.

Trust in febi Fluids & Chemicals!



Scan the QR code to watch the febi fluids video or visit fluids.febi.com



Commercial Vehicle Lubricants

Exclusively from febi

Every vehicle component must have the correct lubricant to ensure reliable performance. Engine oil offers maximum wear protection for the motor in all operating conditions. Hydraulic fluid is essential for the consistent function of the hydraulic system and transfer of force. Transmission oil is important for maintaining the continuous lubrication of drivetrain parts. Coolants provide strong protection against both high and low temperatures.

febi's comprehensive range of fluids & chemicals provides all of these and much more - covering European and Asian cars, light commercial vehicles and trucks. We are not just a parts supplier; we understand the importance of having the right high-quality solutions to keep vehicles healthy and reliable.

The range at a glance:

- | | | |
|------------------------------------|-----------------|---------------------------------------------------------------------------------|
| ✓ Engine oil | ✓ Coolant | ✓ Greases |
| ✓ Gear oil | ✓ Brake fluid | ✓ Screw locking |
| ✓ Hydraulic and power steering oil | ✓ Ceramic paste | ✓ Special Products such as MultiPLUS absorber & MultiPLUS ECO Oil Stain Remover |
| ✓ AdBlue | ✓ Sealant | |

Why febi Fluids?



Competitive Range - febi's comprehensive range of high-quality fluids and chemicals covers commercial vehicles like trucks and agricultural vehicles. New products are continuously being added to the extensive range.



A Strong Mix - from antifreeze and hydraulic fluid, to transmission and engine oil, febi's range of fluids and chemicals includes everything needed to keep a vehicle healthy. To extend the range even further, specialist products such as AdBlue, different Hydraulic oils and greases are also offered.



Produced to Regulation - vehicle manufacturer specifications and industry regulations are always adhered to during production of febi's fluids, which takes place in Germany and other European countries. Additionally, all febi fluids are tailored to the specific requirements of each individual vehicle manufacturer.



Practical, Eco-Friendly Packaging - All febi fluids are packaged in recyclable, leak-proof Polyethylene bottles featuring high-quality labels with clear product identification and colour coding, whilst recessed grip handles and a filling-level vision strip add to the practicality for users.



Highest Quality - we can ensure that all fluid products meet the bilstein group's high quality standards - making them a top-quality alternative to the original.



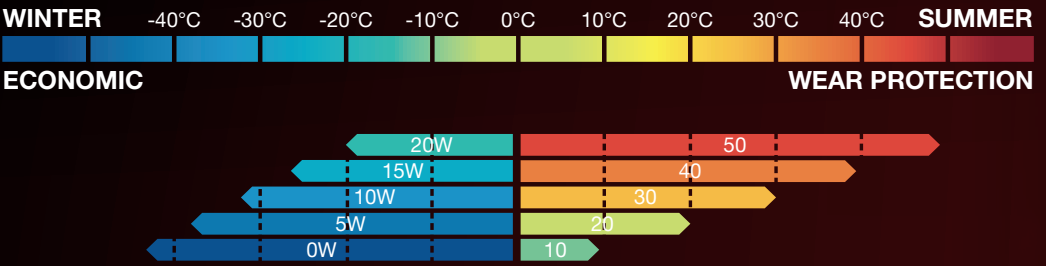
One-Stop Shop - alongside our broad selection of fluids, febi also has a huge range of car, LCV and truck parts - over 47,000 products are available. In addition febi offers numerous complete maintenance packages as a clever solution with all needed filters for specific vehicle maintenance in OEM quality to shorten the search for individual filters and hence minimise the calculable downtime of the vehicle.



Engine Oil

Wear Protection and Beyond

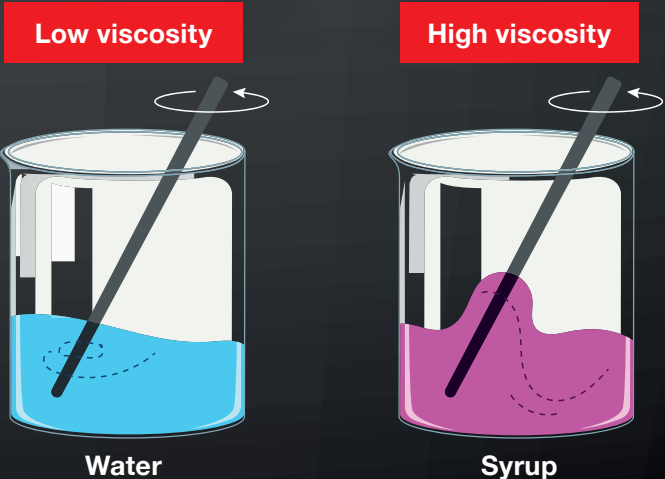
Every engine is different, and they all require special oil properties to guarantee optimal lubrication - including special flow properties of the oil (viscosity), a certain temperature behavior, or compatibility with particular sealing materials and operation with alternative fuels. State-of-the-art technology with high-quality base oils and modern additive packages ensure that febi engine oils exceed all requirements of common commercial vehicle manufacturers.



*Temperature dependent viscosity properties



febl engine oils are high-performance lubricants with special fuel-saving and wear-reducing properties. They support the longevity and function of the exhaust aftertreatment system and grant oil change intervals up to the maximum of the vehicle manufacturer's recommendations.



Did You Know? Mineral oil-based products, which are refined in many complex process steps, are often just as effective and reliable as synthetic oils (depending on the intended use and required specifications). They are also cost-effective!

Coolant

Keeping it Cool in all Conditions

Coolant not only protects against freezing - it also protects the entire cooling system of the engine. Most notably it keeps the radiator, water pump and cooling ducts corrosion-free. Without the proper coolant mixture, the service life of a water pump will be very short because the coolant also lubricates the sensitive slide-seal ring of the water pump driveshaft - without this lubrication, serious damage can occur.



febi	Colour	to fit VW	to fit Glysantin	to fit also	Comment
01089	Blue	G11	G48	Iveco 18-1830, MAN 324 NF, MB 325.0, MB 325.2	—
02374	Yellow	—	G48	MB 325.2	—
01381	Red	G12	—	—	—
19400	Violet	G12+	G30	AFNOR NF R 15 601, ASTM D4340/D4985, MAN 324 SNF, MB 325.3, NATO S-759, PSA B71 5110, Volvo VCS	Replaced in G12++
37400	Violet	G12++	G40	MAN 324 Typ Si-OAT, MB 325.5, MB 325.6, Scania TB 1451	Replaced in G13
38200	Violet	G13	GG40	—	—
183366	Violet	G12evo	G65	AS 2108-2004, ASTM D4985/D6210, BS 6580:2010, China GB 29743-2013, Cummins CES 14603/14439, Deutz DQC CA-14/CB-14/CC-14, Iveco 18-1830, JIS K 2234:2006, MAN 324 NF/MAN 324 Si-OAT/SNF, MB 325.0, MTU MTL 5048	Latest version
183409	Green	—	G64	AS 2108-2004, ASTM D4985/D6210, BS 6580:2010, China GB 29743-2013, Cummins CES 14603/14439, Deutz DQC CA-14/CB-14/CC-14, Iveco 18-1830, JIS K 2234:2006, MAN 324 NF/MAN 324 Si-OAT/SNF, MB 325.0, MTU MTL 5048	Latest version



Scan the QR code to find all other container sizes which can be found on Partsfinder.

Cooling systems require regular replacement of the coolant at set intervals as recommended by the vehicle manufacturer. febi offers a wide range of concentrated and pre-mixed coolants recommended for each vehicle application.

When using a concentrated coolant, the water used for mixing has a major influence on the effectiveness of the coolant, because water quality can differ from country-to-country and even region-to region. The water used should be ‘drinking water’ quality. If this is not possible, we recommend using distilled water for topping-up when mixing with the coolant.



Did You Know?
Not all coolants are the same!
Many vehicle manufacturers have formulated their own requirements for a coolant, which have been established with various standards. A very important point, however, is that not all types of coolant can be mixed with each other! In the worst case engine damage may be the result.

The most important coolant technologies

OAT “Organic Acid Technology”

The OAT agents are free of silicates. These products are radiator antifreeze agents that are usually red in colour. This agent, produced by an organic acid, is mainly used in aluminum radiators.

Si-OAT or IAT “Inorganic Acid Technology”

This coolant is an inorganic acid. It is based on a silicate, which means it is a silicate-containing coolant and can be recognised by its blue or ‘bluish-violet’ colour.

HOAT “Hybrid-Organic Acid Technology”

HOAT (a hybrid-radiator antifreeze) is an agent that is coloured orange or yellow and contains silicates. The advantages of the two other coolant technologies are combined in this product.

* Different coolant technologies shouldn't be mixed

Gear Oil

Smooth Shifting in all Driving Conditions

In transmissions and axle drives, whether on or off-highway, the lubricant plays a key role and has multiple tasks - from classic wear protection with excellent pressure properties, to the right viscosity and material compatibility of the synchromesh materials used.

To minimize degradation and keep critical gears protected, febi gear oils are carefully formulated with high-quality base oils for outstanding shear-resistance, oxidation and thermal stability.



Transmission Oils

ATF (Blue)
ATF (Green)
ATF (Red)
ATF (Yellow)
ATF for automatic transmission,
converter and hydraulic steering (Red)

Gear Oil SAE 75W (GL-4)
Gear Oil SAE 75W-80 (GL-4)
Gear Oil SAE 75W-80 (GL-5)
Gear Oil SAE 75W-85 (GL-5)
Gear Oil SAE 75W-90 (GL-4/5)
Gear Oil SAE 75W-90 (GL-5)

Optimum gearbox lubrication over a wide temperature range even at very high or very low outside temperatures

- The specific viscosity at operating temperature ensures high transmission efficiency, low friction losses and thus optimum fuel consumption and long oil change intervals.
- Excellent thermal stability and reliable protection against deposits through state-of-the-art additive technology, even under the most demanding conditions.
- Easy gear shifting even at low temperatures due to very good synchronization properties.
- Stable lubricating film even under high loads for excellent wear protection of bearings and gear teeth.



Did You Know?

It is recommended that a full oil change is carried out when switching to febi oil to exploit the advantages completely. However, it can be mixed - and is compatible with - other gear oils of the same specification.

AdBlue®

Protecting the Environment

This high-purity AdBlue / Urea solution was developed as a fuel addition in order to comply with the emission limits for commercial vehicles starting with the Euro IV standard.

All diesel trucks with SCR technology that fall into this category require AdBlue / Urea.

SCR technology (selective catalytic reduction) is based on this urea. Environmentally-damaging nitrogen oxides (NOx) are almost completely converted into water vapor and atmospheric nitrogen.

febi AdBlue is available in six different container sizes for all requirements, from the 3.5L bottle with clever filling aid to the 1000L IBC bulk container.

Did You Know?

AdBlue is an aqueous solution made up of 32.5% synthetic urea and 67.5% demineralized water. It is not a hazardous substance as it is biodegradable, non-toxic, colorless and water-soluble. However, it is corrosive to certain materials (for example, vehicle paint) and also leaves stains on upholstery and carpets. Therefore, remove any leaked AdBlue immediately with plenty of water.

Hydraulic Fluid

Pure Fluid Power

Hydraulic fluid is used to transfer energy in the vehicle. A good example is power steering: here, the oil is used to build up a pressure which drastically simplifies steering. High demands are placed on hydraulic fluids to ensure that the hydraulic power is transmitted as loss-free as possible.

Only the right oil can guarantee the safe functioning of hydraulic systems in the vehicle. High-quality hydraulic fluids from febi are therefore precisely matched to the special requirements of vehicle manufacturers.

Not just for brakes – febi Brake Fluids

Even if heavy trucks are equipped with pneumatic brakes, brake fluid is also used for certain hydraulic systems, e.g. for hydraulic clutch actuation. febi brake fluids are available in all required DOT specifications and various sizes from the 0.25L bottle to the 5L canister.

Did You Know?

Oils from febi are not universal products, but rather are tailored to the specific requirements of vehicle manufacturers. The hydraulic fluids offered consist of the most efficient base oils and modern additives. Thanks to their thermal stability, the oils are resistant to ageing and provide maximum wear protection in all operating conditions.



Greases

Protect and Lubricate

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When it comes to technical fluids, febi offers far more than just oils. Greases for wheel bearings, heavy-duty grease for central-lubrication systems, mounting paste for plastic bushes and brake pistons, ceramic paste and even thread lock fluid are all available for the proper maintenance and servicing of your vehicles.

Our greases and pastes also consist of high-quality lubricants in combination with special thickeners and additives which guarantee maximum wear protection.

Thanks to their high-pressure resistance and wide temperature range, febi greases/pastes are suitable for a vast range of applications and are ideal for use with constant-velocity joints or central-lubrication systems, amongst others.



Did You Know?

Greases and pastes not only lubricate - they also prevent corrosion and oxidation.



Ceramic Paste

febi assembly paste is metal-free, acid-free and non-conductive, therefore suitable for all aluminum and cast-iron brake calipers and ABS systems. The paste reduces brake 'squeak' and eases installation - encouraging a professional brake assembly and making this product a perfect accompaniment to this sample case.



Did You Know?

Ceramic Paste can be used for more than just brake parts installation. It reliably prevents also the seizing of thermally highly stressed parts such as exhaust screws, glow plugs and fuel injectors.

Thread Lock

febi thread lock is a type of anaerobic adhesive used to protect, reinforce and seal various types of threaded connections. However, in simple terms, it is primarily used to prevent unwanted loosening of fasteners.

It is suitable for a wide range of applications and can be used for delicate components as well as heavy-duty assemblies. febi offers the most common versions - medium strength in blue and high strength in green-colored fluid.



Did You Know?

High-strength thread lock is so strong that the use of localized heat is needed in addition to hand tools to loosen the screw connection.



MultiPLUS Absorber

for Oils and Other Fluid Chemicals

Spilled oil?
We got a Solution for you!

febi's MultiPLUS Absorber offers an innovative solution for all businesses working with fluids - especially workshops.

Should something go wrong, such as an oil spillage, the MultiPLUS Absorber for oils and other fluids & chemicals is the perfect solution. It is able to absorb every kind of oil - and substances similar to oil - as well as fuels, lubricants, emulsions, brake fluids, coolants, antifreezes, numerous chemicals, coatings, paints and more - on both land and/or water.

- ✓ Absorbs every kind of oil, lubricant and more
- ✓ Absorbs up to four times its own weight
- ✓ Works within a few seconds
- ✓ Easy and safe to handle
- ✓ Non-toxic, natural, organic fibre - proven to be appropriate for application on land and water surfaces
- ✓ No negative effects on the environment, animals or humans



febi 174815 -> 10L Box
febi 174816 -> 15L Bag
febi 174817 -> 50L Bag



Scan the QR code to watch the MultiPLUS Absorber product video

MultiPLUS ECO Oil Stain Remover

for all Surfaces

febi's new MultiPLUS ECO Oil Stain Remover provides the perfect combination to absorb, remove and clean a contaminated work floor in your garage, workshop, home or anywhere else you may need it.

It is PH-neutral and does not attack the surface it is applied on. As a result, it can be utilised for several types of stain on all surfaces. It has multiple uses, from professional workshops to home garages, and is also applicable to engine components - and even a barbecue grill!



febi 180212 -> Pump Spray Bottle
febi 180213 -> Refill Bottle

Technical Information

Know-How for Workshops

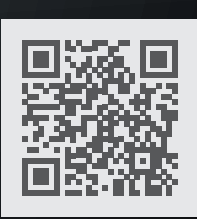


Another valuable service provided by febi is the provision of technical information sheets. These documents offer support and best practice solutions for automotive workshop.

PROTIPS
Important workshop information regarding optimised repair solutions or new product lines - explained clearly and precisely.

INFO
A product-related bulletin which is enclosed (in the packaging) alongside the respective replacement part, providing the workshop with important installation information.

All bulletins are linked to the relevant part(s) in our electronic online catalogue, partsfinder.



Scan the QR code to watch the febi Fluids production and quality-control video, or watch it online at: youtube.com/febiTruck

Fill it Up!

with febi fluids



Engine Oil

SAE 5W-30 Longlife EU6, ACEA E4/E6/E7/E9
SAE 10W-40 Truck Special Longlife, ACEA E4/E7
SAE 10W-40 Truck Special Longlife Plus, ACEA E6/E7/E9
SAE 15W-40 ACEA E2/E7
SAE 20W-50 ACEA E7



Grease, Paste & Thread Lock

Ceramic Paste
Mounting Paste for plastic bushes and brake pistons
Grease for wheel bearing
High-Melting Point Grease for Constant-Velocity Joints
Heavy Duty Grease for central lubrication system
High-Temperature Multi-Purpose EP Grease
Thread Lock - medium strength
Thread Lock - high strength
Sealant



Coolant Concentrate

Coolant G11 (Blue)
Coolant G11 (Yellow)
Coolant G12 (Red)
Coolant G12+ (Violet)
Coolant G12++ (Violet)
Coolant G13 (Violet)
Coolant G12evo (Violet)

A Strong Mix

The right fluid for you

Brake Fluid

(also used for clutch servos)

Brake Fluid DOT4
Brake Fluid DOT4 Plus
Brake Fluid DOT4 LV
Brake Fluid DOT 5.1
Brake Fluid DOT 5.1 EHV



Specialist Products

AdBlue®
Lubrication Oil



febiPLUS

MultiPLUS Absorber for oils and other fluid chemicals
MultiPLUS ECO Oil Stain Remover for all surfaces
Sealant



Transmission Oils

ATF in various types
Gear Oil SAE 75W (GL-4)
Gear Oil SAE 75W-80 (GL-4)
Gear Oil SAE 75W-80 (GL-5)
Gear Oil SAE 75W-85 (GL-5)
Gear Oil SAE 75W-90 (GL-4/5)
Gear Oil SAE 75W-90 (GL-5)



Hydraulic fluids

Hydraulic Fluid for central, power steering and level control systems
Hydraulic Fluid for central hydraulic system
Hydraulic Fluid LHM Plus
Hydraulic Fluid for power steering system

SEARCHING BECOMES FINDING

One search system for the complete ranges
of febi and the other bilstein group brands


partsfinder provides direct access to over 62,000
replacement parts from the bilstein group. You can find the
component you are looking for with just a few keywords.

 **Simple Direct Search**
Search field makes finding results easy and effective

 **Detailed Product Information**
Including repair set references & safety data sheets

 **Customized Article Lists**
Combine individual articles & print them as a PDF

 **Expert Filter**
Find your parts even easier

 **B2B-Shop**
Check availability of any article (selected customers only)


FANS
Future Article
Notification System

The new feedback tool for
bilstein group partsfinder users



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partsfinder.bilsteingroup.com

bilstein group on the Road to Sustainability

Helping the environment for future generations

As an innovative company with a long tradition, we are
determined to ensure the wellbeing of the next generations.
Sustainability is of particular importance to us.
As a result, we develop our fluids with the environment
in mind - continuously improving them as we strive for
efficiency and eco-friendliness.

Tomorrow's world is our today, which is why products
from the febi Fluids range are packed in recyclable, leak-
proof Polyethylene plastic bottles featuring high-quality
labels with clear product identification and colour coding.
Recessed grip handles and a filling-level vision strip add to
the practicality for a premium user experience.

Did you know?
Environmentally-compatible lubricants have properties
such as friction reduction and wear and corrosion
protection, which contribute to saving energy and CO₂
during usage.

100% CO₂-neutral
We rely on partners with CO₂-neutral production
capabilities, so that all febi oils are environmentally-
compatible and reduce emissions.
This is a big step towards a greener future for us as
a company and generations to come.





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