

PRODUCT OVERVIEW CATALOGUE

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AUTOMOTIVE COMPONENTS FOR PASSENGER CARS,
LIGHT COMMERCIAL VEHICLES AND POWERSPORTS

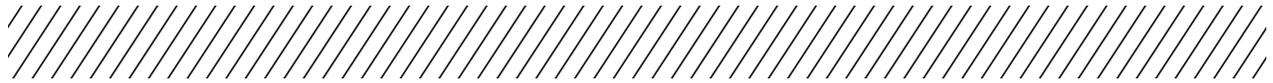


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AUTOMOTIVE COMPONENTS FOR PASSENGER CARS, LIGHT COMMERCIAL VEHICLES AND POWERSPORTS

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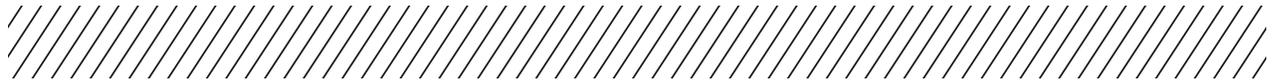
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**WHY GATES IS THE
PROFESSIONAL CHOICE**



ORIGINAL EQUIPMENT (OE) EQUIVALENCE THROUGHOUT THE RANGE

Gates is a world-leading manufacturer and supplier of automotive products. Gates automotive components are specified by original equipment manufacturers around the world. Through this close cooperation with virtually every car manufacturer Gates is perfectly positioned to meet the needs of the automotive aftermarket. Gates provides this market with products that are of original equipment quality combined with true aftermarket support.

BEST COVERAGE IN THE INDUSTRY

Gates offers more replacement part numbers than any other automotive market player, both for left-hand drive and right-hand drive applications regardless of whether it concerns petrol, diesel, European, Asian or American applications. Gates' aim, to offer complete product ranges, results in a continuous expansion of its product lines. Every product line covers nearly all of the applications or vehicles on the market. A specialised application research team ensures that the most well-thought-out range is available. As an example, the complete Gates thermostat range currently ensures premium coverage of the European car parc.

SUPPLIER OF COMPLETE SYSTEMS

Gates is much more than a belt supplier. Gates provides a complete line of belt drive system, cooling system, fuel system and air system products for passenger cars, light-duty commercial vehicles and trucks, buses and tractors. So next to belts,

Gates also supplies belt tensioner units, torsional vibration dampers, overrunning alternator pulleys, kits, hoses, thermostats, radiator caps, fuel caps, etc. In addition, Gates has chosen to complement its broad range of replacement products with professional tools that offer the mechanic all he needs for a thorough system overhaul.

SOLUTION-ORIENTED INNOVATIONS

Dynamic, energetic innovation comes from working in direct partnership with automotive original equipment manufacturers. This keeps Gates out in front, developing and anticipating what the aftermarket will demand. A good example: drawing upon its OE knowledge Gates was first-to-market with its unique range of re-usable Stretch Fit™ installation tools offering the mechanic everything he needs to guarantee perfect fitment of Gates Micro-V® Stretch Fit™ elastic multi-ribbed belts.

SUPERIOR CATALOGUING

Up-to-date application data is a must in the aftermarket. Gates' application research team provides application data on virtually every car and truck on the road. The Gates online catalogue (www.gatesautocat.com) is considered to be one of the industry's most complete and up-to-date information resource. Online access is available in more than ten different languages to cover a wide range of markets. Since the beginning Gates has always been an A-rated Certified Data Supplier at TecDoc.

TRUE TECHNICAL SUPPORT

Gates has a Pan-European team responsible for technical support and training. This team develops

training initiatives and technical service concepts to help you with new technology and boost your sales. Gates experts always stress the benefits of thorough drive system inspections and complete system overhauls as part of every scheduled accessory or synchronous belt change. In addition, Gates provides technical back-up with Technical Tips which tackle specific drive system problems and troubleshooting guides which help prevent common installation errors. These Tech Tips are freely available from the Gates website and in the Gates web catalogue.

WORLD-CLASS QUALITY

Gates keeps investing in quality, research and development in order to meet customers' existing and future requirements. As recognition for its commitment to innovation and quality, Gates has acquired – in addition to the ISO 9001 and TS 16949 quality registrations – “Preferred Supplier” status and major quality awards from its key customers.

ALL THIS MAKES GATES YOUR PREFERRED ONE-STOP-SHOP SUPPLIER FOR ALL PRODUCTS AND SERVICES NEEDED TO PROVIDE A COMPLETE, PROFESSIONAL AND OE EQUIVALENT MAINTENANCE OF YOUR AUTOMOTIVE SYSTEMS.

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER
SYSTEMSSERVICE HOSE
& OTHERS

TOOLS

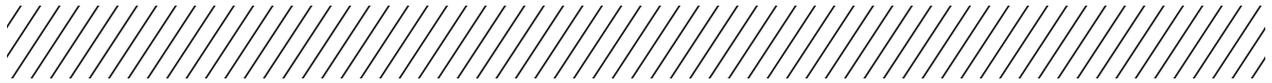
TECHNICAL SUPPORT
& CATALOGUING

BELT DRIVE SYSTEMS

Gates designed and produced the industry's first V-belt and today is the world's largest manufacturer of V-belts, multi-ribbed belts and timing belts. In addition, Gates is a key player in the European tensioner business for the OE and replacement market. Each belt drive system product is the result of thorough research and testing, and all products are manufactured to the same exacting standards as the original components. Gates chose to complement its broad range of replacement products with professional tools that ensure a perfect installation and offer the mechanic all he needs for a thorough drive system overhaul. The Gates professional automotive tool range is a line of universal and engine-specific tool kits for synchronous and accessory belt drive systems.

More information on applications, sizes, kit components, tools and belt routing diagrams can be found online at www.gatesautocat.com.





ACCESSORY BELT DRIVE SYSTEMS

Product type 7884



MICRO-V® KITS

(Product type 7884)

The best way to guarantee a reliable accessory belt drive system is to change multi-ribbed belts and all the related belt drive components which are subject to wear at the same time. That is exactly why Gates now offers you the most extensive Micro-V® kit range in the market. Each kit is specifically composed for its application(s) and includes one or more Gates branded multi-ribbed belts together with the matching metal parts, all handily packed in a solid cardboard box. No loose components to stock, only one part to source. Put simply, Gates Micro-V® kits offer the perfect solution for efficient and safe replacement!

Gates Micro-V® Kits can include any combination of the following components:

- Micro-V® multi-ribbed belt
- Micro-V® tensioner
- Micro-V® idler
- Micro-V® overrunning alternator pulley
- Micro-V® torsional vibration damper

Product type 7884

E-START™ MICRO-V® KITS

Gates offers the most extensive E-Start Micro-V® kit range in the market. Each kit is specifically composed for its applications and includes a branded multi-ribbed belt together with the matching BSG tensioner in a solid cardboard box. No loose components to stock, only one part to source. Gates' advances in higher capacity E-Start™ Micro-V® belts and robust tensioners are driving Gates' research and development in belt-driven starter generators.

- Improved System Control – Due to independent tuning of belt tension and damping
- Reduction of Belt Tension and Slip – Due to increased alternator wrap angle
- Reduced Friction Loss – Potential to reduce friction loss by lowering system tension
- Enables Start/Stop, Boost Mode and Recuperation Mode
- Reduced Weight – Due to elimination of starter motor
- Meets Industry Demand for Higher Fuel Economy and Lower Emissions – Gates® E-Start Technology combines high-strength E-Start™ drive belts and highly engineered bi-directional tensioners designed to carry the high loads of engine startup required for next-gen starter generator systems
- Enables Engine Downsizing – Gates® E-Start™ SystemTechnology enables engine downsizing, supporting industry demands for decreased emissions and greater fuel efficiency
- Reduced Energy Consumption and CO₂ Emissions – First achievements in CO₂ reduction and efficiency improvements with PO Hybrid



BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 8653

MICRO-V® MULTI-RIBBED BELTS

Accessory belts are crucial to the function of modern cars. You need to be confident that yours is the best on the market. Designed to run silently, with greater stability and unparalleled flexibility, the Micro-V® belt is the OE and aftermarket choice.

- Fibre-loaded compound damps possible misalignment noise
- Optimal profile offers smooth belt-to-pulley contact
- The low belt profile offers increased belt stability and reduced slip
- Tensile cords from polyester prevent elongation
- Ideal for smaller pulleys and shorter span lengths now found in the more powerful and compact engines
- Resistant to flex fatigue
- Fibre-reinforced EPDM compound guarantees optimum performance under high/low temperatures
- EPDM is highly effective against pilling, oil drops and ozone
- High wear-resistant back fabric
- Polyester tensile cords for high load-carrying capacity at high tensions

For other Heavier Duty belt variants consult the Fleetranner™ catalogue.



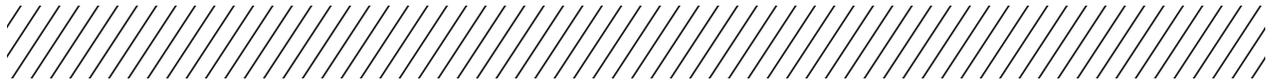
Product type 8653

MICRO-V® STRETCH FIT™ MULTI-RIBBED BELTS

Car manufacturers are bringing vehicle models into the market that are not equipped with a tensioning device. For these special accessory belt drive systems, Gates offers the ideal response with its Micro-V® Stretch Fit™ belt programme. Gates Stretch Fit™ multi-ribbed belts are pre-tensioned over the pulleys, thus maintaining tension that is capable of efficient power transmission over a long period of time, yet low enough to allow for easy installation and to prevent component failure.

Stretch Fit™ belts, like any other elastic belt, need to be installed using the appropriate mounting tool. Gates has also developed re-usable Stretch Fit™ installation tools offering the mechanic everything he needs to guarantee a perfect fitting procedure. In order to offer an even more complete service, Gates designed specific installation instructions for most Stretch Fit™ Belts. These instructions are printed on the inside of each belt sleeve and contain a reference to the appropriate Stretch Fit™ installation tool. For more information on the Gates Stretch Fit™ installation tools, see page 48.

Gates offers you all elements of the accessory belt drive system together with the necessary expert tools for a perfect installation and maintenance. (see page 47)



Product type 8653

MICRO-V® UNIQUE FIT

THE BELT FOR SENSITIVE DRIVES

Designed to be the best belt option for specific cars associated with sensitive belt drives.

- Special construction in order to perform best on the specific application: aramid cord, special rib compound, double-sided belt ...
- Because harsh environments (high loads, highly complex drives ...) call for an individual solution
- EPDM across the range



Product type 8653

E-START™ MICRO-V® BELTS

The automotive industry is evolving. Automotive manufacturers are using technology to engineer vehicles with increased fuel efficiency and reduced CO₂ emissions. Vehicle owners are also becoming more conscious of the importance of environmental sustainability and the rising prices of fuel.

Gates' advances in higher capacity E-Start™ Micro-V® belts and robust tensioners are driving Gates' research and development in belt-driven starter generators.

- Special high-load Micro-V® belt to provide the performance required in an engine starting function, being more than 600,000 start ups
- Special belt composition using a high performance rubber compound, advanced adhesion technology and enhanced cord material
- Improved noise robustness
- Lifetime of more than 240,000 km
- Packaging within the existing belt width

Product numbers

0094-00253 and 0094-00254

MICRO-V® MULTI-RIBBED BELT MERCHANDISER

This compact wall rack has been designed to display Gates Micro-V® belts in a professional way. You can select the belts according to your local market requirements.

- Suited to display 19 Micro-V® belts (0094-00253) / 38 Micro-V® belts (0094-00254)
- 500 mm wide (0094-00253) / 1 m wide (0094-00254) metal frame with Gates sign and belt hooks
- Belt number strip
- Screws, plugs and hooks for attachment
- Assembly instructions

Please refer to the Gates price list for specifics, or consult your Gates representative for more information.



Product type 8532

V-BELTS

BANDLESS MOULDED COG V-BELTS

Technologically advanced and highly flexible V-belt, designed for drives in passenger cars and light-duty vehicles.

- Round cogs ensure maximum heat dissipation and uniform stress distribution
- High-strength tensile cords, flex-bonded with the surrounding rubber, assuring excellent length stability
- Specially formulated rubber compounds to increase lateral belt stability
- Oil, wear and heat resistant
- Ground sidewalls improve dimensional accuracy

For other Heavier Duty belt variants consult the Fleetrunner™ catalogue.

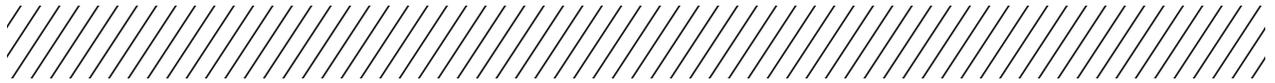
Product number 0094-00250

V-BELT MERCHANDISER

Handy, compact wall rack displaying belts in a systematic and professional way. The V-belt merchandiser can carry 25 V-belts and is the ideal instrument for every garage keeper or dealer: it facilitates storage, selling and reordering of V-belts.

- 500 mm wide metal frame with Gates sign and belt hooks
- Belt number strip
- 2 screws and 2 plugs for attachment to the wall and 2 special hooks fitting any type of pegboard
- Assembly instructions

Please refer to the Gates price list for specifics, or consult your Gates representative for more information.



CVT-BELTS

G-FORCE™ CVT-BELTS FOR RECREATIONAL VEHICLES

Product types 9823,
9824, 9827 and 9828



Gates' new generation Continuously Variable Transmission (CVT) belt called G-Force™ offers superior fit, performance and durability for today's recreational and utility all-terrain vehicles. Its advanced technology makes G-Force™ perfectly suited for the demanding off-road conditions in a variety of motorised CVT applications including snowmobiles, scooters and quad bikes.

Gates G-Force™ belts are a precise fit to the OE belt, with no clutching adjustments necessary at installation. In addition, extreme real-world testing has proven the G-Force™ belts to be high performing and durable. Whether trail riding, farming or extreme riding, G-Force™ belts live up to the challenging requirements of today's vehicles!

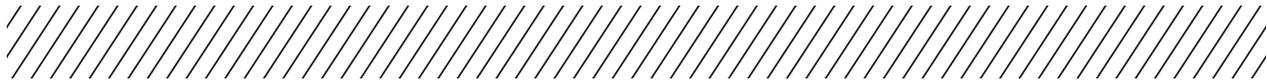
BOOST™ BELTS FOR SCOOTERS

Product type 9802



Boost Belts for Scooters are available in three different constructions to meet the most varied requirements:

- 1) **BOOST™** with aramid reinforced rubber compound to improve durability
- 2) **BOOST™+** with aramid reinforced rubber compound and extra strong aramid tensile members to maximize acceleration, shock load resistance and service life
- 3) **BOOST™ DN** with state-of-the art EPDM compound, extra strong aramid tensile members and Double Notch construction to guarantee extra high performance, particularly suited for high displacement vehicles
 - No toxic chemical components, in compliance with the relevant European directives
 - Manufactured in Gates' European facilities, all certified to the highest quality and safety and environmental standards



Product type 7808



MICRO-V® TENSIONERS

Gates is the second largest OE manufacturer of automatic tensioners in the world. Gates' range of OE equivalent Micro-V® tensioner units is the most complete of any automotive market player. Gates Micro-V® tensioners offer precise OE fit for a very wide array of applications. In fact, Gates engineers analyse the failure modes of OE designs and make any necessary adjustments to match the performance of the original tensioner or even outperform it.

- Unique sealing prevents contamination of internal parts
- Chrome-silicone torsion spring for improved flex fatigue characteristics
- Special damping mechanism designed to increase belt and tensioner life
- Solid pulleys reduce surface wear
- Premium precision bearings minimise friction for reduced bearing wear and noise

Product type 7803

MICRO-V® IDLER PULLEYS

Micro-V® Idler Pulleys provide OE-quality fit to passenger cars and light trucks, performing as a locked center tensioning pulley, an automatic belt tensioner pulley, or an idler pulley.

- Steel and thermoplastic construction provides high durability, heat dissipation, and dampening for long life
- Built to last with a superior resistance to dirt, salt, chemicals, and other under-hood contaminants
- OE-quality fit to virtually every domestic or import vehicle on the road today

Product type 7845



MICRO-V® TORSIONAL VIBRATION DAMPERS

Car manufacturers are looking to make vehicles lighter using more lightweight components. At the same time modern engines are becoming more powerful. More power means more strain on the lightweight components causing more vibrations. To address this, vehicle manufacturers have replaced the ordinary crankshaft pulley with torsional vibration dampers which absorb vibrations from the crankshaft and extend the life time of other components in the drive system. They are vital in keeping the crankshaft and engine working properly, so you need replacement products of the highest quality.

As a complete system supplier, Gates offers you a wide range of OE equivalent Micro-V® torsional vibration dampers that fit the application perfectly and cover all the major models in the market.

- OE fit and function
- Cover all popular applications
- If required to replace the crankshaft bolt, this is being included

BELT DRIVE SYSTEMS

COOLING SYSTEMS

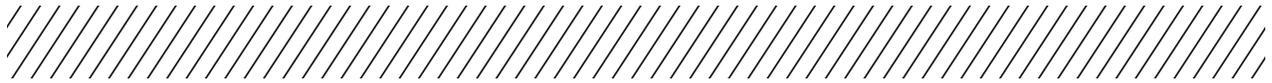
FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 7789



MICRO-V® OVERRUNNING ALTERNATOR PULLEYS

Seat heating, air conditioning and other additional accessories require extra electrical power, which causes the vehicle manufacturers to utilise ever heavier alternators, compromising the belt performance during deceleration of the engine. Drive system specialists created the overrunning alternator pulley which, as opposed to a conventional solid alternator pulley, allows the alternator to “free-wheel” or “overrun” every time the engine decelerates and absorbs vibrations. Almost every recent car model is equipped with such a device and by adding the OE equivalent Micro-V® overrunning alternator pulley to its range, Gates can now offer the aftermarket all components necessary for a complete overhaul of the accessory belt drive system.

- OE fit and function
- Cover all popular applications
- Supplied with protective cover
- Specialist removal and installation tools available

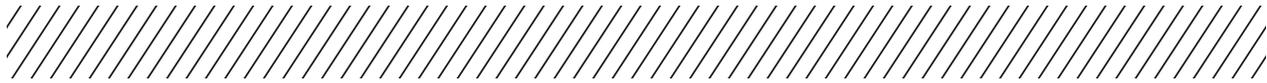
Product types 9901 and 7884



EUROGRIP™ FLEXIBLE COUPLINGS AND KITS

Gates has used its years of experience in under-bonnet materials to design a unique rubber sleeve developed to transmit torque to drive engine accessories and to dampen vibrations between two connected shafts: Gates EuroGrip™ flexible couplings relieve the stress that would result from a rigid coupling on applications where these two shafts are subject to misalignment and axial movement. Furthermore, they connect a pulley (accessory side end piece) and accessory. When the pulley is worn out, this reduces the life span of all drive components. As timely replacement of the pulley avoids such engine problems, flexible couplings and overrunning pulleys are often replaced together. That is why Gates now presents the flexible coupling and the necessary pulley in one kit.

- Cylindrical rubber sleeve connecting two end pieces
- Coupling transmits torque by shear
- Based on proven material technology for automotive synchronous belts
- Lubricated jacket minimises coupling and end piece wear and retains tooth integrity during operation
- Glass fibre cord provides excellent dimensional stability at high rotational speeds
- Fibre-loaded HNBR maximises torque transmission capability, controls damping characteristics and provides excellent long-term ageing resistance
- OE equivalent one-way clutch (K01EG1)



BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

SYNCHRONOUS BELT DRIVE SYSTEMS

POWERGRIP™ KITS

Product type 7883



A badly functioning timing belt drive system can cause serious problems and it is highly probable that the source of damage to one element in the drive will also have affected the other drive components. The best way to avoid expensive premature failures is to change timing belts, idlers and tensioners all at the same time. A Gates PowerGrip™ Kit provides all the appropriate components plus installation instructions in an all-in-one kit and every component in the kit is a guaranteed OE equivalent part. Gates is your true system specialist: not only are we a renowned timing belt manufacturer, delivering products both to OEMs and to the aftermarket, but we are also one of the largest suppliers of OE tensioner units in Europe.

- A PowerGrip™ Kit is handily packed in a sturdy cardboard box and contains, depending on the application:
 - Timing belt(s)
 - Belt tensioner(s) or tensioner assemblies
 - Idlers
 - Other parts needed for a complete overhaul (bolts, springs, etc.)
 - (Specific) installation instructions
 - Mileage sticker

Product type 7883



POWERGRIP™ KITS PLUS WATER PUMP

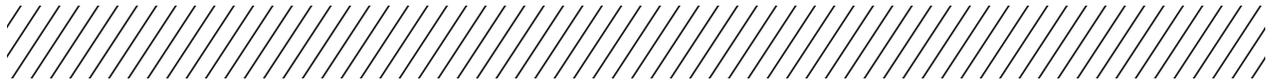
The water pump is a vital part of the vehicle's cooling system. It delivers a continuous flow of coolant through the radiator and through the engine. Many water pumps are driven by the timing belt. If the water pump fails, coolant will leak and contaminate the belt. Long-term coolant contamination will eventually lead to premature timing belt failure. Gates recommends replacing the timing belt driven water pump while servicing the timing belt and other drive components. By not replacing the water pump is to assume that the pump will last for another full belt duty cycle. Replacing the water pump is critical for a complete overhaul and is time efficient. Thanks to the PowerGrip™ Kit Plus Water Pump concept, you have all the elements necessary for a complete overhaul in one package, fit for the application.

A PowerGrip™ Kit Plus Water Pump offers:

- The same elements as a PowerGrip™ Kit
- An application-specific water pump
- Seals and gaskets when necessary

Digital installation instructions for Gates PowerGrip™ kits (see page 52)

Gates provides the products and the appropriate engine-specific tools to correctly install and maintain synchronous belt drive systems (see page 47).



Product types 8595 and 8597



POWERGRIP™ TIMING BELTS

Today's highly sophisticated car engines operate at higher temperatures and higher speeds. Also, pulley diameters are smaller to save space under the bonnet and practically all engines now have overhead camshafts. These increasingly severe conditions put more stress on timing belts. For maximum durability and to avoid premature engine failure, only OE equivalent belts should be used. Gates PowerGrip™ timing belts are manufactured to the toughest OE requirements and are specified by car manufacturers around the world. They provide you with a long service life. What is more, our range ensures a coverage of more than 99.8% of the European car parc regardless of whether it concerns petrol, diesel, European, Asian or American applications.

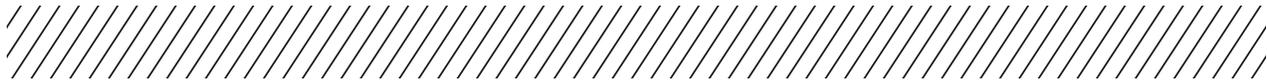
- Manufactured with durable and reinforced rubber compounds (HSN) to resist temperature extremes and to protect the belt against grease, oil drops, moisture and wear
- Precision-formed teeth provide positive engagement with the mating grooves on the sprocket and reduce noise level
- Trapezoidal, curvilinear and modified curvilinear tooth profile, depending on the application
- Helically wound tensile cords, made of fibreglass, provide increased flexibility and resistance to elongation
- State-of-the-art jacket materials to protect the belt against the impact of the metal sprockets and to reduce noise generation
- Individually packed in sealed cardboard boxes, including a sticker with anti-counterfeit QR code, showing belt applications, drive layout, timing marks, installation tips, a reference to the corresponding Technical Bulletin or necessary tooling if applicable

Product types 8597

POWERGRIP™ BELT IN OIL (BIO) TIMING BELTS

Gates latest belt in oil construction exceeds the durability of current known belt in oil market application serial production belt. The timing belt has to withstand a continuous assault by all the different types of oils and additives that can be used in engines in a wide range of operating conditions, temperatures and different environments all over the world. The properties of the belts must be able to withstand the worst case scenario. A mapping exercise has been looking at all chemicals and chemistry changes that happen in engine oil throughout its life and how they effect on belt materials and physical properties.

All of the materials have been statically tested at elevated temperatures up to +150°C or maximum dependent on chemical boiling point for set periods of time. The belts properties have then been measured and rated to understand the damage caused on the belt sub components. The worst chemical at different concentration levels have then been utilized in dynamic rigs where Gates tests to validate our system component against OE prescriptions.



BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEROSTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

Product number 0093-10009

POWERGRIP™ TIMING BELT MERCHANDISER

This handy and compact merchandiser has been specially designed to carry 15 timing belts. Out of the Gates timing belt range 15 belts can be selected to suit local market requirements. With this merchandiser, you will always have replacement belts readily available to ensure fast and efficient service.

- 500 mm wide metal frame with Gates sign
- Belt number strip
- Can be mounted on a wall, pegboard or simply put on the counter
- Screws, plugs and hooks for attachment
- Assembly instructions
- Please refer to the Gates price list for specifics, or consult your Gates representative for more information

Product types 7784, 7785 and 7786

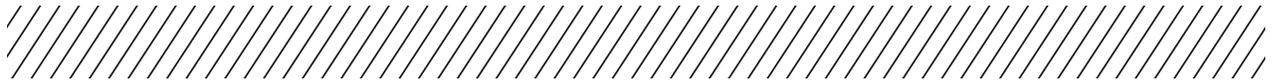


POWERGRIP™ TENSIONERS

Gates® PowerGrip™ Timing Tensioners are engineered with OE-quality or OE-exact fit and performance, designed and tested to increase belt life, maintain optimal tension and eliminate the need for tensioning operation during installation.

With Gates® PowerGrip™ tensioners, you'll get fit and performance that's equal to the original because they are the original. We work with the world's top OEMs to supply automotive power transmission solutions and bring the same quality, materials, and processes to our aftermarket solutions. Then we take our OE-exact products and we work to make them better. Gates engineers analyze failure modes of OE designs, test them under various driving and speed conditions, and make continuous adjustments to improve performance, durability and quality.

- Components include automatic, manual and hydraulic tensioners
- Only OE components for the most popular and problematic applications
- Premium bearings meet or exceed OE standards
- Metal components resist contamination with composite sealant
- Engineered with high strength, low weight, and quiet operation for efficient system operation



Product type 7786

POWERGRIP™ IDLER PULLEYS

Gates PowerGrip™ Idler Pulleys can be either a fixed idler or a replacement for a tensioner bracket. They can be constructed of metallic or plastic material and there are two basic surfaces – smooth and grooved (also called a sprocket).

- Engineered with OE quality or OE exact fit
- Premium bearings meet or exceed OE standards
- Hardware provided as needed

Product type 7785

POWERGRIP™ HYDRAULIC DAMPERS

Gates offers you a wide range of OE equivalent PowerGrip™ hydraulic vibration dampers that work together with the idlers to prevent the timing belt from coming loose.

Dampers, also known as shock absorbers, dissipate energy stored in the suspension system's springs when you drive over bumps in the road. Dampers control unwanted spring motion and reduce vibrations through the dampening process. If your dampers are worn, they'll struggle to slow down these vibrations and can lead to engine damage. Make sure you replace yours before they cause problems.

- OE fit and function
- Cover all popular applications
- Oil or gas filled.
- This side up! Sign on the packaging to make sure the hydraulic damper stays functional.

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER
SYSTEMSSERVICE HOSE
& FITTERS

TOOLS

TECHNICAL SUPPORT
& CATALOGUING

COOLING SYSTEMS

Gates cooling programme offers the most comprehensive coverage in the industry. The range includes several types of thermostats supplied together with gaskets and seals in one box and an extensive line of radiator and expansion tank caps. Gates also offers curved hoses, flexible hoses and straight hoses, as well as the necessary heater hose connectors.

More information on applications, sizes, configurations and cut off recommendations can be found online at www.gatesautocat.com.





WATER PUMP SOLUTIONS

With state-of-the-art manufacturing techniques, Gates® Water Pumps are recognized in the industry for their durability and superior quality. Every Gates® water pump undergoes a 100% functional test of seals and bearings and a 100% leakage test for both the casting and assembled water pump. Gates is committed to selling the highest-quality water pump and providing our customers with a limited lifetime warranty.

We pair our commitment to material science with a state-of-the-art production facility to deliver exceptional quality water pumps.

Product type 7702



MICRO-V WATER PUMPS

The water pump is the heart of the engine's cooling system and plays a vital role in ensuring that the vehicle performs at its best. When it fails, it's usually a short time until the engine overheats causing serious damage. So when water pumps require replacement, insist on top-quality water pumps from Gates made to the same high standards as the original product.

100% WORRY-FREE, RELIABLE OPERATION

- A true "all makes" premium-quality water pump programme
- Covering more than 130 million vehicles in Europe
- Constructed with premium alloy materials
- 100% quality tested mechanical seal for leak-free, long-life performance
- All pumps are manufactured to ISO/TS16949, ISO14001 and OHSAS18001 standards

With its own manufacturing facility, Gates produces over a thousand different types of water pumps for millions of cars. Gates water pumps deliver longer-lasting service for your customers and build a reputation of reliability for your shop. For vehicles where the pump is part of the synchronous belt drive system, discover our kit solutions

Product type 7705



ELECTRIC WATER PUMPS

Gates Electric Water Pumps are manufactured for durable, worry-free operation for your vehicle; constructed using only premium materials to ensure optimum performance under intense driving conditions. The use of electric water pumps is becoming more popular among original equipment manufacturers as technology changes and OEMs look for ways to improve fuel economy and efficiency. Gates now offers electric water pumps that fit popular applications covering millions of vehicles in operation. Our pumps effectively restore the cooling and heating systems to proper operation and performance. Get the industry best and a guaranteed OE-quality fit with Gates.

- Main engine electric water pump comes with gaskets or rubber seals to provide a tight seal and eliminate leaking
- Electromagnetic power drives the impellers, thus eliminating the need for bearings and weep holes
- Auxiliary electric water pumps are sealed to prevent leaking
- OE-matched construction ensures an exact fit and easy installation
- Backed by a limited lifetime warranty

Product type 7412



THERMOSTATS

With their OE design, Gates thermostats fit perfectly, prevent leaks and keep engine temperatures within original equipment specifications. And what's more: by including different seals and gaskets in one packaging, the same Gates thermostat reference can be used for a whole range of vehicle applications. So by carefully balancing the number of references to the market needs, our range guarantees premium car parc coverage by the fewest units of stock!

Gates markets several types of thermostats in order to provide the same design as specified by car manufacturers:

- Thermostat inserts
- Regular thermostats
- Housing thermostats: integral thermostats complete with optimally-designed housing
- Map-controlled wax thermostats: thermostats with increased precision and faster response, regulated via the engine management system
- The latest evolution in thermostat technology
- OE design for exact fit and performance
- Various matching seals/gaskets, covering a whole range of vehicle applications
- Premium car parc coverage by the fewest units of stock
- True convenience and aftermarket support
- Gates offers the OE-design thermostat you need together with the matching seals and gaskets, covering more than just one application, all handily packed in one box. All this comes with the convenience and aftermarket support you can expect from a brand like Gates!

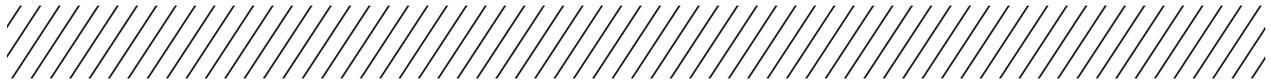
Product type 7410



RADIATOR AND EXPANSION TANK CAPS

Gates offers a complete line of automotive radiator and expansion tank caps, for use on virtually every application on the road today. Gates' cooling system cap range includes:

- Metal radiator caps, from the very smallest to the large-diameter type
- Long reach (34 mm) and short reach (25 mm) radiator caps
- Plastic expansion tank caps
- Designed and manufactured to OE standards
- Require no adjustment for installation
- High-quality materials for longer life
- Precise pressure control



Product type 4275



MODULAR AND CURVED COOLING HOSE

Factory molded hose for upper, lower, bypass, heater and other coolant applications.

Approved for Marine applications. Gates' curved hose line is the most comprehensive line on the European replacement market. Thanks to consolidation – one hose size handling more than one application – inventories can be kept down. To increase the number of applications even further, cut-off marks are printed on some curved hoses. Plastic quick connectors allow the part being exact fit. Branches link coolant fluent between complete cooling system.

- Engineered to resist electrochemical degradation, the leading cause of hose failure
- Pre-shaped to fit and to ensure perfectly sealed connections
- Aramid or rayon knit reinforcement (depending on the application)
- Resistant to heat, ozone and chemical coolants
- Temperature range from -40°C to +100°C, occasionally to +110°C
- Maximum working pressure for hoses with ID smaller than or equal to 40 mm is 0.4 MPa; for hoses with ID greater than 40 mm 0.3 MPa
- Meets requirements of SAE 20R4, class D2 and DIN 73411, class A (except for tolerances)

Product type 4274

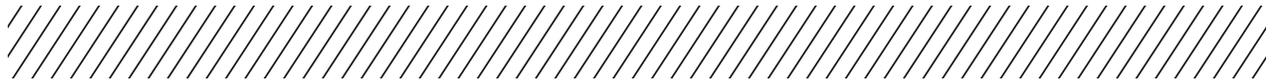


CURVED AND FLEXIBLE HOSE

Vulco-Flex™ II radiator hose

This flexible radiator hose takes various shapes and is a durable alternative to curved hose that is reinforced with helical wire to prevent the hose from collapsing when bent. This hose allows maximum coverage with minimum inventory.

- High flexibility for easier installation
- The hose vulcanises into shape without unnecessary strain on connections
- Improved sealing surface for greater leak resistance
- Cuffs can be adjusted to the required length
- Tube and cover resist heat, ozone and coolants
- Temperature range from -40°C to +110°C, occasionally to +125°C
- Maximum working pressure:
 - hoses with ID from 25 to 38 mm: 0.21 MPa
 - hoses with ID from 38/45 to 50 mm: 0.18 MPa
 - hoses with ID from 50/57 to 76 mm: 0.14 MPa
- Meets requirements of SAE 20R5, class D2



BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

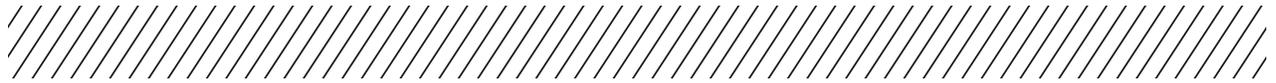
AIR & DEFOGGER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

	PN							Length	Max.	
		mm	"	mm	"	mm	mm			
VFII1	4274-00001	45	1 3/4	45	1 3/4	54	54	0.152	1.8	6.9
VFII10	4274-00010	38	1 1/2	38	1 1/2	47	47	0.356	2.1	6.9
VFII11	4274-00011	50	2	50	2	59	59	0.369	1.8	6.9
VFII13	4274-00013	38	1 1/2	38	1 1/2	47	47	0.432	2.1	6.9
VFII14	4274-00014	32	1 1/4	32	1 1/4	41	41	0.432	2.1	6.9
VFII15	4274-00015	45	1 3/4	45	1 3/4	54	54	0.483	1.8	6.9
VFII16	4274-00016	38	1 1/2	38	1 1/2	47	47	0.508	2.1	6.9
VFII17	4274-00017	45	1 3/4	45	1 3/4	54	54	0.597	1.8	6.9
VFII18	4274-00018	50	2	50	2	59	59	0.432	1.8	6.9
VFII19	4274-00019	32	1 1/4	32	1 1/4	41	41	0.508	2.1	6.9
VFII2	4274-00002	32	1 1/4	32	1 1/4	41	41	0.191	2.1	6.9
VFII20	4274-00020	32	1 1/4	32	1 1/4	41	41	0.584	2.1	6.9
VFII201	4274-10201	28	1 1/8	28	1 1/8	37	37	0.225	2.1	6.9
VFII203	4274-10203	32	1 1/4	32	1 1/4	41	41	0.225	2.1	6.9
VFII206	4274-10206	35	1 3/8	35	1 3/8	44	44	0.25	2.1	6.9
VFII211	4274-10211	30	1 1/5	30	1 1/5	39	39	0.275	2.1	6.9
VFII212	4274-10212	32	1 1/4	32	1 1/4	41	41	0.275	2.1	6.9
VFII214	4274-10214	28	1 1/8	28	1 1/8	37	37	0.3	2.1	6.9
VFII215	4274-10215	32	1 1/4	38	1 1/2	41	47	0.3	2.1	6.9
VFII216	4274-10216	35	1 3/8	35	1 3/8	44	44	0.3	2.1	6.9
VFII222	4274-10222	30	1 1/5	30	1 1/5	39	39	0.325	2.1	6.9
VFII223	4274-10223	32	1 1/4	32	1 1/4	41	41	0.325	2.1	6.9
VFII226	4274-10226	35	1 3/8	35	1 3/8	44	44	0.325	2.1	6.9
VFII23	4274-00023	38	1 1/2	38	1 1/2	47	47	0.152	2.1	6.9
VFII230	4274-10230	25	1	25	1	34	34	0.35	2.1	6.9
VFII237	4274-10237	38	1 1/2	38	1 1/2	47	47	0.375	2.1	6.9
VFII243	4274-10243	32	1 1/4	32	1 1/4	41	41	0.4	2.1	6.9
VFII246	4274-10246	35	1 3/8	35	1 3/8	44	44	0.4	2.1	6.9
VFII25	4274-00025	38	1 1/2	38	1 1/2	47	47	0.305	2.1	6.9
VFII26	4274-00026	50	2	50	2	59	59	0.311	1.8	6.9
VFII266	4274-10266	35	1 3/8	35	1 3/8	44	44	0.45	2.1	6.9
VFII267	4274-10267	38	1 1/2	38	1 1/2	47	47	0.45	2.1	6.9
VFII27	4274-00027	45	1 3/4	50	2	54	59	0.369	1.8	6.9
VFII271	4274-10271	28	1 1/8	28	1 1/8	37	37	0.5	2.1	6.9
VFII278	4274-10278	35	1 3/8	35	1 3/8	44	44	0.55	2.1	6.9
VFII28	4274-00028	45	1 3/4	45	1 3/4	54	54	0.419	1.8	6.9
VFII29	4274-00029	38	1 1/2	45	1 3/4	47	54	0.508	2.1	6.9
VFII293	4274-10293	32	1 1/4	32	1 1/4	41	41	0.625	2.1	6.9
VFII3	4274-00003	38	1 1/2	38	1 1/2	47	47	0.203	2.1	6.9
VFII30	4274-00030	38	1 1/2	45	1 3/4	47	54	0.381	2.1	6.9
VFII31	4274-00031	45	1 3/4	50	2	54	59	0.419	1.8	6.9
VFII32	4274-00032	45	1 3/4	45	1 3/4	54	54	0.279	2.1	6.9



	PN	⊕ ₁		⊕ ₂		⊕ ₁	⊕ ₂	Length	Max. 	
		mm	"	mm	"	mm	mm			
VFII33	4274-00033	32	1 1/4	38	1 1/2	41	47	0.496	2.1	6.9
VFII34	4274-00034	38	1 1/2	38	1 1/2	47	47	0.394	2.1	6.9
VFII35	4274-00035	38	1 1/2	45	1 3/4	47	54	0.419	2.1	6.9
VFII36	4274-00036	32	1 1/4	32	1 1/4	41	41	0.241	2.1	6.9
VFII37	4274-00037	38	1 1/2	45	1 3/4	47	54	0.336	2.1	6.9
VFII38	4274-00038	38	1 1/2	38	1 1/2	47	47	0.762	2.1	6.9
VFII39	4274-00039	45	1 3/4	50	2	54	59	0.457	1.8	6.9
VFII4	4274-00004	50	2	50	2	59	59	0.191	1.8	6.9
VFII40	4274-00040	38	1 1/2	38	1 1/2	47	47	0.635	2.1	6.9
VFII41	4274-00041	38	1 1/2	38	1 1/2	47	47	0.559	2.1	6.9
VFII42	4274-00042	38	1 1/2	45	1 3/4	47	54	0.559	2.1	6.9
VFII43	4274-00099	38	1 1/2	38	1 1/2	47	47	0.666	2.1	6.9
VFII44	4274-00044	32	1 1/4	38	1 1/2	41	47	0.394	2.1	6.9
VFII5	4274-00005	45	1 3/4	45	1 3/4	54	54	0.216	1.8	6.9
VFII50	4274-10050	28	1 1/8	28	1 1/8	37	37	0.584	2.1	6.9
VFII51	4274-10051	28	1 1/8	28	1 1/8	37	37	0.457	2.1	6.9
VFII52	4274-10052	28	1 1/8	32	1 1/4	37	41	0.483	2.1	6.9
VFII53	4274-10053	28	1 1/8	28	1 1/8	37	37	0.381	2.1	6.9
VFII55	4274-10055	32	1 1/4	32	1 1/4	41	41	0.33	2.1	6.9
VFII56	4274-10056	32	1 1/4	32	1 1/4	41	41	0.47	2.1	6.9
VFII58	4274-10058	32	1 1/4	32	1 1/4	41	41	0.762	2.1	6.9
VFII6	4274-00006	32	1 1/4	32	1 1/4	41	41	0.279	2.1	6.9
VFII60	4274-10060	32	1 1/4	32	1 1/4	41	41	1.041	2.1	6.9
VFII61	4274-10061	32	1 1/4	38	1 1/2	41	47	0.584	2.1	6.9
VFII63	4274-10063	32	1 1/4	38	1 1/2	41	47	0.737	2.1	6.9
VFII66	4274-10066	32	1 1/4	35	1 3/8	41	44	0.66	2.1	6.9
VFII67	4274-10067	35	1 3/8	35	1 3/8	44	44	0.635	2.1	6.9
VFII68	4274-10068	35	1 3/8	38	1 1/2	44	47	0.66	2.1	6.9
VFII7	4274-00007	38	1 1/2	38	1 1/2	47	47	0.267	2.1	6.9
VFII70	4274-10070	38	1 1/2	38	1 1/2	47	47	0.889	2.1	6.9
VFII71	4274-10071	38	1 1/2	38	1 1/2	47	47	1.219	2.1	6.9
VFII73	4274-10073	38	1 1/2	50	2	47	59	0.686	2.1	6.9
VFII8	4274-00008	45	1 3/4	45	1 3/4	54	54	0.343	1.8	6.9
VFII9	4274-00009	32	1 1/4	32	1 1/4	41	41	0.381	2.1	6.9
VFII90	4274-00097	38	1 1/2	38	1 1/2	47	47	0.513	2.1	6.9
VFII92	4274-00098	38	1 1/2	38	1 1/2	47	47	0.602	2.1	6.9

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER
SYSTEMSSERVICE HOSE
& OTHERS

TOOLS

TECHNICAL SUPPORT
& CATALOGUING



BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OILTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

Product type 4272



STRAIGHT HOSE

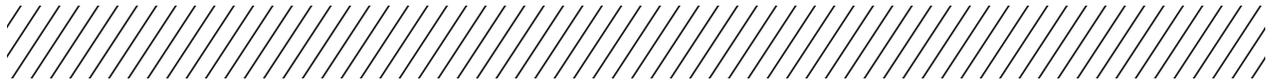
Flexcord Plus coolant hose

- Lightweight straight coolant hose, designed to withstand today's severe conditions under the bonnet.
- Engineered to resist electrochemical degradation, the leading cause of hose failure
- High-temperature and burst resistance
- Very flexible hose with a strong body to absorb vibrations and shocks
- Aramid knit reinforcement
- Tube and cover resist heat, ozone and coolant additives
- Temperature range from -40°C to +135°C
- Meets requirements of DIN 73411, class B1 and SAE 20R4, class D2

Packaging:

Available in 1 m lengths, which can be cut to size with Gates hose cutter (see page 50).

PN	↔		Max. MPa
	mm	"	
4272-10080	8	5/16	0.4
4272-10100	10	3/8	0.4
4272-10120	12	1/2	0.4
4272-10150	15	5/8	0.4
4272-10180	18	11/16	0.4
4272-10200	20	13/16	0.3
4272-10220	22	7/8	0.3
4272-10250	25	1	0.3
4272-10280	28	1 1/8	0.3
4272-10300	30	1 3/16	0.3
4272-10320	32	1 1/4	0.3
4272-10350	35	1 3/8	0.3
4272-10380	38	1 1/2	0.3
4272-10400	40	1 9/16	0.2
4272-10420	42	1 5/8	0.2
4272-10450	45	1 3/4	0.2
4272-10480	48	1 7/8	0.2
4272-10500	50	2	0.2



Product type 3230



STRAIGHT HEATER HOSE

Extremely durable heater hose for straight and curved connections. The resilient reinforcement allows the hose to fit a pipe that is 4 mm larger than the nominal inside diameter of the hose.

- Engineered to resist electrochemical degradation, the leading cause of hose failure
- Strong and flexible body allows bending to medium bend radius
- Resilient textile reinforcement withstands internal pressure and allows installation on enlarged end connections
- Tube and cover resist ozone, coolants and temperatures from -50°C to +100°C, occasionally to +110°C
- Meets requirements of DIN 73411, class A (except for tolerances)

Packaging:

15 m length per carton with knock-out lid for easy unreeling, measuring and storage.

PN	↻		Max. 
	mm	"	
3230-12081	8	5/16	0.5
3230-12101	10	3/8	0.5
3230-12121	12	1/2	0.5
3230-12151	15	5/8	0.5
3230-12171	17	11/16	0.5
3230-12191	19	3/4	0.5
3230-12221	22	7/8	0.5



Product type 7315



HEATER HOSE CONNECTORS

Gates heater hose connectors are recommended for small diameter heater and radiator hoses to provide a better seal between hoses with either the same or different inside diameters. Using straight, reducer, elbow and “T” connectors, almost any hose configuration can be constructed. They can be used on both light-duty and heavy-duty applications.

- Made of 100% glass-reinforced nylon
- Resistant to coolant additives, petrol, diesel, oil and LPG
- Anti-rotation device prevents the hose from twisting off the fitting
- Single-barb design ensures a leak-proof seal
- Superior resistance to extreme temperatures from -65°C to +250°C
- Maximum working pressure up to 2 MPa (20 kg/cm²)

Packaging:

- Outside diameter up to 19 mm: 5 pieces in a plastic bag
- Outside diameter of 25 mm: 2 pieces in a plastic bag

Heater hose connectors			
PN			
		mm	"
7315-00913*	28601	6	1/4
7315-00103	28600	8	5/16
7315-00914*	28602	10	3/8
7315-00915*	28603	12	1/2
7315-00916*	28604	15	5/8
7315-00917*	28605	19	3/4
7315-00918	28606	25	1
7315-00908*	28621	6	1/4
7315-00102	28620	8	5/16
7315-00909*	28622	10	3/8
7315-00910*	28623	12	1/2
7315-00911*	28624	15	5/8
7315-00912*	28625	19	3/4
7315-00919	28626	25	1
7315-00931*	28631	6	1/4
7315-00101	28630	8	5/16
7315-00932*	28632	10	3/8
7315-00933*	28633	12	1/2
7315-00934*	28634	15	5/8
7315-00935*	28635	19	3/4
7315-00936	28636	15 x 10	5/8 x 3/8
7315-00937	28637	19 x 10	3/4 x 3/8
7315-00938	28638	25	1

Reducer connectors			
PN			
		mm	"
7315-00104	28594	10 → 8	3/8 → 5/16
7315-00921*	28609	12 → 10	1/2 → 3/8
7315-00922*	28610	15 → 12	5/8 → 1/2
7315-00923*	28611	19 → 15	3/4 → 5/8
7315-00924	28612	25 → 19	1 → 3/4
* Included in heater hose connector kit			

BELT DRIVE SYSTEMS

COOLING SYSTEMS

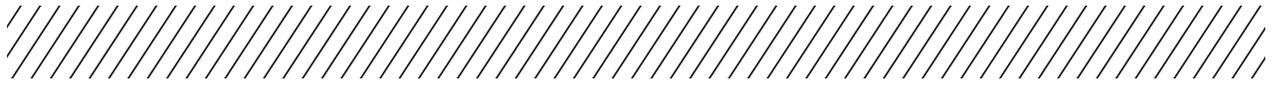
FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTINGS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product number 7316-00900
Part number 91136



HEATER HOSE CONNECTOR KIT

The sturdy, impact-resistant plastic case holds an assortment of 36 connectors.

- Handy carrying case opens from either side
- Plan-o-gram inside both lids identifies location of each connector type and size
- Assortment contains four connector shapes: straight, elbow, "T" and reducer
- Provides convenient storage for complete line of connectors

Number of connectors in kit	PN			
			mm	"
				
2	7315-00913	28601	6	1/4
2	7315-00914	28602	10	3/8
2	7315-00915	28603	12	1/2
2	7315-00916	28604	15	5/8
2	7315-00917	28605	19	3/4
				
2	7315-00908	28621	6	1/4
2	7315-00909	28622	10	3/8
2	7315-00910	28623	12	1/2
2	7315-00911	28624	15	5/8
2	7315-00912	28625	19	3/4
				
2	7315-00931	28631	6	1/4
2	7315-00932	28632	10	3/8
2	7315-00933	28633	12	1/2
2	7315-00934	28634	15	5/8
2	7315-00935	28635	19	3/4
Reducer				
2	7315-00921	28609	12 → 10	1/2 → 3/8
2	7315-00922	28610	15 → 12	5/8 → 1/2
2	7315-00923	28611	19 → 15	3/4 → 5/8

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

FUEL SYSTEMS

Gates offers a broad product programme for fuel systems. The Gates product portfolio for fuel systems contains fuel caps, LPG caps and adaptors, several types of fuel hose, special submersible fuel line hose for in-tank applications, hose connectors and appropriate merchandisers.





FUEL LINE HOSE

MOLDED FUEL LINES

Product type 4389



Molded fuel line hoses feed fuel from fuel tank to injectors, but are subject to high and low pressure system variations that can expose weaknesses in the rubber. They are equipped with plastic connectors that can fail through age and exposure to heat.

- Our reputation as a reliable brand with an established OE pedigree means we are able to design replacement parts that match the OE specifications you want to fit
- Made from proven OE quality materials and fitted with the same OE connectors, they are engineered with quality for a wide range of applications increasingly in demand
- Our range of easy to fit, complete solutions, includes a wide range of popular models

Product type 4219



BARRICADE™ FUEL INJECTION HOSE

Barricade™ fuel injection hose is a low-permeation, multi-fuel compatible hose that virtually eliminates fuel vapour loss thanks to our 5-layer GreenShield™ barrier technology used in its manufacture. We developed the Barricade™ fuel injection hose using much stronger and more durable materials to resist the corrosive nature of today's fuels. It can withstand even the most aggressive fuel mixtures and significantly cut fuel permeation, keeping fuel vapour out of the environment while still delivering peak fuel efficiency.

THE BARRICADE™ FUEL INJECTION HOSE BENEFITS

- Fuel savings from Barricade™'s incredibly low permeation rate – the lowest on the market at 1 g/m²/day
- Easily complies with environmental standards. It exceeds the requirements of SAE J30R14T2 (except for kink resistance)
- Aramid reinforcement spiral braid for superior burst strength
- Works with multiple fuels: approved for use with leaded and unleaded petrol, diesel, biodiesel up to B-100, E-10, E-15, E-85, 100% methanol, ethanol and gasohol fuels
- Best-in-class working pressure of 1.55 MPa (15.5 kg/cm²) and a temperature range of -40°C to 125°C continuous, up to 150°C intermittent

PN	Gates®	ID		OD		Length		Max. 
		mm	"	mm	"	m	ft	
4219-06034	27347	6.0	1/4	13.0	1/2	4.6	15.0	1.55
4219-06035	27339	6.0	1/4	13.0	1/2	7.6	25.0	1.55
4219-06036	27344	6.0	1/4	13.0	1/2	76.2	250.0	1.55
4219-06038	27348	8.0	5/16	14.0	9/16	4.6	15.0	1.55
4219-06039	27340	8.0	5/16	14.0	9/16	7.6	25.0	1.55
4219-06042	27349	10.0	3/8	16.0	5/8	4.6	15.0	1.55
4219-06043	27341	10.0	3/8	16.0	5/8	7.6	25.0	1.55

Do not use Barricade™ fuel injection hose for in-tank or LPG applications. For fuel line hoses that will be submersed in petrol, use Gates submersible fuel line hose (see page 32).



Product number 4986-10171



BARRICADE™ FUEL INJECTION HOSE MERCHANDISER

With this small-diameter hose merchandiser, storage or availability problems belong to the past. The handy, durable display holds 6 reels of popular small-diameter hose in the fast selling sizes. You simply select the correct diameter and cut off the length required. No hose is wasted.

- 530 mm wide metal frame with Gates sign and distribution plate
- 6 reels each holding 7.6 m small-diameter hose
- 7 magnetic identification plates allowing adaptation of the range to suit your needs
- 4 screws and 4 plugs for attachment to the wall and 2 special hooks fitting any type of pegboard
- A Gates lightweight hose cutter tied to the frame by a light chain

Please refer to the Gates price list for specifics, or consult your Gates representative for more information.

Product type 3225



FUEL LINE HOSE

- Small-diameter multi-purpose hose designed for fuel circuits (leaded and unleaded petrol, diesel).
- Cover resists heat, oil, ozone and weathering
- Tube has been upgraded to meet changes in fuel characteristics and resists heat and oil
- Spiral textile reinforcement
- Working pressure up to 1 MPa (10 kg/cm²)
- Temperature range from -35°C to +125°C
- Meets requirements of SAE J30R7 and DIN 73379 (except for tolerances)
- Recommended for clamped hose applications on all fuel systems, including fuel injection systems

PN	↔		⊖		Length		Max. MPa
	mm	"	mm	"	m	ft	
3225-00050	3.2	7/64	8.0	1/32	15.0	49.2	1.0
3225-00051	4.0	5/32	9.7	3/8	15.0	49.2	1.0
3225-00055	5.0	13/64	10.7	27/64	15.0	49.2	1.0
3225-00052	6.0	1/4	12.2	31/64	15.0	49.2	1.0
3225-00056	7.0	9/32	13.5	17/32	15.0	49.2	1.0
3225-00053	8.0	5/16	14.2	9/16	15.0	49.2	1.0
3225-00054	10.0	3/8	17.8	45/64	10.0	32.0	1.0
3225-10014	10.0	3/8	17.8	45/64	15.0	49.2	1.0
3225-10015	12.0	15/32	19.3	49/64	15.0	49.2	1.0

Do not use for in-tank applications, sour gas, LPG and biodiesel. Not designed to replace coupled hose assemblies on fuel injected engines.

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEROASTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

Product numbers

4986-10160, 4986-10161, 4986-10162, 4986-10163 and 4986-10164



FUEL LINE HOSE MERCHANDISER

With this small-diameter hose merchandiser, storage or availability problems belong to the past. The handy, durable display holds 6 reels of popular small-diameter hose in the fast selling sizes. You simply select the correct diameter and cut off the length required. No hose is wasted.

- 530 mm wide metal frame with Gates sign and distribution plate
- 6 reels each holding 7.5 or 15 m small-diameter hose
- 7 magnetic identification plates allowing adaptation of the range to suit your needs
- 4 screws and 4 plugs for attachment to the wall and 2 special hooks fitting any type of pegboard
- A Gates lightweight hose cutter tied to the frame by a light chain

Please refer to the Gates price list for specifics, or consult your Gates representative for more information.

Product type 4324



TEXTILE COVERED FUEL LINE HOSE

A small-diameter hose with a durable and oil resistant textile cover. The hose provides a dependable and safe service on fuel circuits in passenger cars.

- The tube resists heat, fuel (leaded and unleaded petrol, diesel) and oil
- The braided textile cover reinforces the hose and is resistant to heat, ozone and weathering
- Working pressure up to 0.6 MPa (6 kg/cm²)
- Temperature range from -35°C to +100°C
- Recommended for clamped hose applications on fuel systems in passenger cars
- All reels fit Gates fuel line hose merchandiser

Do not use for in-tank applications, sour gas, LPG and biodiesel. Not designed to replace coupled hose assemblies on fuel injected engines.

PN	↔		⊘		Length		Max. 
	mm	"	mm	"	m	ft	
4324-10050	3.2	7/64	7.0	17/64	15.0	49.2	0.6
4324-10051	4.0	5/32	9.0	11/32	15.0	49.2	0.6
4324-10055	5.0	13/64	10.0	25/64	15.0	49.2	0.6
4324-10052	6.0	1/4	11.0	27/64	15.0	49.2	0.6
4324-10056	7.0	9/32	12.0	15/32	15.0	49.2	0.6
4324-10053	8.0	5/16	13.0	1/2	15.0	49.2	0.6
4324-10054	10.0	3/8	15.0	37/64	10.0	32.0	0.6



Product type 4324



SPECIAL FUEL HOSE

A very small-diameter hose, suitable as connection and vacuum hose.

- Working pressure of 1 MPa (= 10 kg/cm³)
- Temperature range from -35°C to +110°C, occasionally to +130°C
- HNBR: excellent resistance to heat, ozone, engine oil, coolant and fuel
- All reels fit Gates fuel line hose merchandiser

PN	↔		⊘		Length		Max. 
	mm	"	mm	"	m	ft	
4324-10047	2.7	7/64	6.5	1/4	15.0	49.2	1.0
4324-10048	2.7	7/64	6.5	1/4	15.0	49.2	1.0

Product type 4219



SUBMERSIBLE FUEL LINE HOSE

The Gates submersible fuel line hose is no ordinary fuel line hose. An ordinary fuel line hose is designed to handle fuel on the inside only. The Gates submersible fuel line hose exceeds the SAE 30R10 rating and is capable of handling petrol, alcohol-extended petrol or diesel fuel in fully immersed, mobile, stationary and marine applications.

- Engineered for constant contact with petrol (and other liquid petroleum distillates) on the inside and the outside
- Exceeds the SAE 30R10 specification for submersible fuel line hose applications
- Fluoroelastomer (FKM) tubed cover resists gas and fuel permeation and retards ageing
- Aramid fibre reinforcement – the same fibre as the one used in bullet-proof vests – pound for pound stronger than steel
- All reels fit Gates fuel line hose merchandiser

PN		↔		⊘		Length		Max. 
		mm	"	mm	"	m	ft	
4219-05184	27093	8.0	5/16	14.5	9/16	0.305	1.0	0.69
4219-05185	27093 5MT	8.0	5/16	14.5	9/16	5.000	16.4	0.69
4219-06184	27097	10.0	3/8	16.0	5/8	0.305	1.0	0.69
4219-06185	27097 5MT	10.0	3/8	16.0	5/8	5.000	16.4	0.69

Do not use for in-tank applications, sour gas, LPG and biodiesel. Not designed to replace coupled hose assemblies on fuel injected engines.

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 4663



FLEXIBLE FUEL FILL HOSE

Flexible hose for connection between the vehicle's filler neck and fuel tank. Works equally well on passenger cars and light trucks, as well as on auxiliary fuel tanks on recreational vehicles.

- High-quality nitrile tube makes the hose suitable for use with most commercial fuel types, especially resistant to leaded and unleaded petrol and diesel
- Corrugated cover with helical wire reinforcement
- Cuts easily with knife and wire cutters
- Temperature range from -40°C to +100°C
- Meets requirements of SAE 30R5

Packaging:

0.91 m length (3 ft) in a cardboard box.

PN	Fites®	↔		○		Length		Max. 
		mm	"	mm	"	m	ft	
4663-03601	23924	38	1 1/2	45	1 3/4	0.91	2.99	1.4
4663-03603	23930	48	1 5/8	55	2	0.91	2.99	1.4
4663-03604	23932	50	1 31/32	57	2 1/4	0.91	2.99	1.4
4663-03605	23936	57	2 1/4	64	2 1/2	0.91	2.99	1.4
4663-03606	23940	63	2 31/64	70	2 3/4	0.91	2.99	1.4

Do not use for in-tank applications, sour gas, LPG and biodiesel. Not designed to replace coupled hose assemblies on fuel injected engines.



Product type 7315

CONNECTORS FOR FUEL LINE, WINDSHIELD WASHER HOSE AND VACUUM TUBING



Gates connectors are recommended for small-diameter hoses to provide a better seal between hoses with either the same or different inside diameters. Using straight, elbow, reducer, "T" and "Y" shapes, almost any hose configuration can be constructed.

- Unique single-barb design ensures a leak-proof seal
- Resistant to coolant additives, petrol, diesel, oil and LPG
- For hoses with ID of 2 mm to 12 mm
- Glass-reinforced nylon resists extreme temperatures from -65°C to +250°C
- Working pressure up to 2 MPa (20 kg/cm²)

Packaging:
5 pieces in a plastic bag.

FUEL HOSE CONNECTORS			
PN		∅ =	
		mm	"
7315-00861*	28561	2	3/32
7315-00862*	28562	3	1/8
7315-00863*	28563	4	5/32
7315-00864*	28564	5	3/16
7315-00913	28601	6	1/4
7315-00103	28600	8	5/16
7315-00914	28602	10	3/8
7315-00915	28603	12	1/2
7315-00871*	28571	2	3/32
7315-00872*	28572	3	1/8
7315-00873*	28573	4	5/32
7315-00874*	28574	5	3/16
7315-00908	28621	6	1/4
7315-00102	28620	8	5/16
7315-00909	28622	10	3/8
7315-00910	28623	12	1/2

FUEL HOSE CONNECTORS			
PN		∅ =	
		mm	"
7315-00881*	28581	2	3/32
7315-00882*	28582	3	1/8
7315-00883*	28583	4	5/32
7315-00884*	28584	5	3/16
7315-00931	28631	6	1/4
7315-00101	28630	8	5/16
7315-00932	28632	10	3/8
7315-00933	28633	12	1/2
7315-00851*	28551	2	3/32
7315-00852*	28552	3	1/8
7315-00854*	28554	5	3/16

REDUCER CONNECTORS			
PN		∅ =	
		mm	"
7315-00891*	28591	3 → 2	1/8 → 3/32
7315-00892*	28592	4 → 3	5/32 → 1/8
7315-00893*	28593	6 → 5	1/4 → 3/16
7315-00104	28594	10 → 8	3/8 → 5/16
7315-00921	28609	12 → 10	1/2 → 3/8

* Included in fuel line and vacuum tubing connector kit

BELT DRIVE SYSTEMS

COOLING SYSTEMS

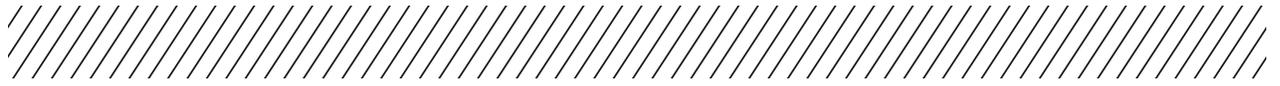
FUEL SYSTEMS

AIR & DEROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product number 7316-00901; Part number 91156



FUEL LINE AND VACUUM TUBING CONNECTOR KIT

The handy impact-resistant plastic case holds an assortment of 36 fuel line and vacuum tubing connectors.

- Plan-o-gram inside identifies location of each connector type and size
- Assortment contains five connector shapes: straight, elbow, "T", "Y" and reducer
- Provides convenient storage for complete line of fuel line and vacuum tubing connectors

Number of connectors in kit	PN			
			mm	"
2	7315-00861	28561	2	3/32
2	7315-00862	28562	3	1/8
2	7315-00863	28563	4	5/32
2	7315-00864	28564	5	3/16
2	7315-00871	28571	2	3/32
2	7315-00872	28572	3	1/8
2	7315-00873	28573	4	5/32
2	7315-00874	28574	5	3/16
2	7315-00881	28581	2	3/32
2	7315-00882	28582	3	1/8
2	7315-00883	28583	4	5/32
2	7315-00884	28584	5	3/16
2	7315-00851	28551	2	3/32
2	7315-00852	28552	3	1/8
2	7315-00854	28554	5	3/16
Reducer				
2	7315-00891	28591	3 → 2	1/8 → 3/32
2	7315-00892	28592	4 → 3	5/32 → 1/8
2	7315-00893	28593	6 → 5	1/4 → 3/16

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & FITTERS

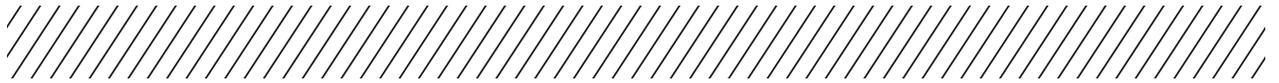
TOOLS

TECHNICAL SUPPORT & CATALOGUING

AIR AND DEFROSTER SYSTEMS

For your air system requirements, Gates has diverse hoses available that offer optimum resistance to heat and cold.





Product type 4177



TURBOCHARGER HOSE

Gates Turbocharger Hoses are specially compounded for use as a short, flexible connector between the air intercooler and turbocharger. Can also be used for turbocharger air discharge and is approved for marine applications.

- Highly visible orange, blue/green, black color helps distinguish this hose hot or cold air flow in engine
- Silicone elastomer inner liner reinforced with woven fiberglass fabric
- Resists coolants, weathering and ozone
- Resists high temperatures and pressures

Product type 4301



AIR INTAKE HOSE

OE performance engine Air Intake Hose is designed to OE specifications in fit, form and performance. They are constructed from high quality materials for durability and maximum service life. This replacement hose effectively restores engine performance for better fuel economy, enhanced power and reduced emissions.

- OE exact and application-specific design ensures an easy fit and installation
- Designed with high quality materials for a long service life
- OE quality at a lower price provides excellent value

Product type 7471



CRANKCASE BREATHER HOSE

Made from proven OE quality materials and equipped with the same OE fast fitting connectors, the Crankcase Breather Hose range has been added to the growing list of cost-effective solutions available from Gates.

Crankcase breather hoses feed engine oil vapour and gases from the crankcase to the intake manifold. They play a key role in the control of harmful engine emissions.

- Avoid the wait and additional costs often associated with OE networks
- Thanks to access to a reliable brand of OE quality



Product type 7743



FLEXIBLE AIR DUCT HOSE

Connects hot air sources with air cleaners for more efficient control of emissions. Helps eliminate carburettor icing and improves engine warm-up.

- Corrugated aluminium hose
- Extremely flexible, yet retaining its shape after being formed
- Resistant to heat (up to +250°C), cold, oil and oxidation

Packaging:

Individually packed in a cardboard box in compressed form.

PN	Length	↔	
		mm	"
7743-00519	500	19	3/4
7743-00522	500	22	7/8
7743-00525	500	25	1
7743-00538	500	38	1 1/2
7743-00540	500	40	19/16
7743-00545	500	45	1 3/4
7743-00550	500	50	2
7743-00555	500	55	2 3/16
7743-00560	500	60	2 3/8
7743-01019	1,000	19	3/4
7743-01022	1,000	22	7/8
7743-01025	1,000	25	1
7743-01035	1,000	35	1 3/8
7743-01038	1,000	38	1 1/2
7743-01040	1,000	40	19/16
7743-01045	1,000	45	1 3/4
7743-01050	1,000	50	2
7743-01052	1,000	52	2 3/64
7743-01055	1,000	55	2 3/16
7743-01060	1,000	60	2 3/8
7743-01352	1,300	52	2 3/64

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 7768



DEFROSTER HOSE

A hose that shapes and cuts easily. Recommended for low-pressure or suction applications such as defrosters, air ducts and air intakes. Approved for Marine applications.

- Closely woven, rubber-impregnated fabric
- Strong helical wire increases flexibility
- Resistant to heat, coolants, abrasion, tear and weathering
- Temperature range from -40°C to +93°C

Packaging:

1.83 m length (6 ft) per carton. Individually boxed in compressed form.

PN			
		mm	"
7768-04070	23820	32	1 1/4
7768-04071	23824	38	1 1/2
7768-04072	23828	45	1 3/4
7768-04073	23832	50	2
7768-04074	23836	57	2 1/4
7768-04075	23840	63	2 1/2
7768-04076	23844	70	2 3/4
7768-04077	23848	76	3
7768-04078	23856	89	3 1/2
7768-04080	23864	102	4
7768-04081	23872	114	4 1/2
7768-04082	23880	127	5
7768-04084	23896	152	6



Product type 4663



FLEXIBLE AIR VENT HOSE

Extremely flexible hose for air cleaner-to-engine connections, defroster ducts and air or heater ducting.

Reinforcement: fabric ply and double steel wire

- Heat and oil resistant tube
- Easy to cut to size with knife and wire cutters
- Temperature range from -40°C to +100°C

Packaging:

3 m length (10 ft) per carton.

PN				Max.	Vacuum rating
		mm	"		
4663-04108	24300	16	5/8	0.7	127
4663-04109	24301	19	3/4	0.7	127
4663-04110	24302	22	7/8	0.7	127
4663-04111	24303	25	1	0.7	127
4663-04112	24304	32	1 1/4	0.7	127
4663-04113	24305	35	1 3/8	0.7	127
4663-04114	24306	38	1 1/2	0.7	127
4663-04115	24307	42	1 5/8	0.7	127
4663-04116	24308	45	1 3/4	0.7	127
4663-04117	24309	48	1 7/8	0.7	127
4663-04118	24310	50	2	0.35	76
4663-04119	24311	54	2 1/8	0.35	76
4663-04120	24312	57	2 1/4	0.35	76
4663-04121	24313	60	2 3/8	0.35	76
4663-04122	24314	63	2 1/2	0.35	76
4663-04123	24315	67	2 5/8	0.35	76
4663-04124	24316	70	2 3/4	0.35	76
4663-04125	24317	76	3	0.35	76
4663-04126	24318	89	3 1/2	0.35	76
4663-04127	24319	92	3 5/8	0.35	76

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OILERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

SERVICE HOSE AND OTHERS

Gates offers a wide variety of hoses for conveying air, water and other fluids in the garage environment.





Product type 3204



GP HOSE (“GENERAL PURPOSE”)

Gates flexible GP hoses for general-purpose applications handle water, air and many other products. The 3 GP hose types can cover the entire working pressure range from 1.3 MPa (13 kg/cm²) to 3.7 MPa (37 kg/cm²).

GP 40

Recommended for general air and water applications requiring maximum flexibility.

- Resistant to abrasion, weathering and ozone
- Minimum burst pressure of 40 kg/cm² (4 MPa)
- Temperature range from -40°C to +100°C (+80°C for air)

PN	⊖		m	Max. ⊕	
	mm	"		Mpa (liquid)	Mpa (gas)
3204-12006	6	1/4	20	1.3	1.0
3204-14006	6	1/4	40	1.3	1.0
3204-12008	8	5/16	20	1.3	1.0
3204-14008	8	5/16	40	1.3	1.0
3204-12010	10	3/8	20	1.3	1.0
3204-14010	10	3/8	40	1.3	1.0
3204-14013	13	1/2	40	1.3	1.0
3204-14016	16	5/8	40	1.3	1.0
3204-12019	19	3/4	20	1.3	1.0
3204-14019	19	3/4	40	1.3	1.0
3204-14025	25	1	40	1.3	1.0
3204-10036	32	1 1/4	40	1.3	1.0
3204-10038	38	1 1/2	40	1.3	1.0

BELT DRIVE SYSTEMS

COOLING SYSTEMS

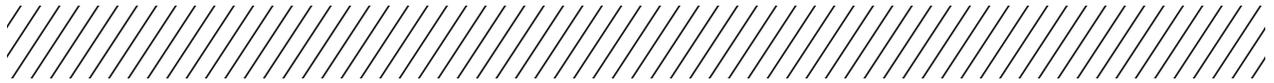
FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 3206



GP 60

Durable and flexible hose for general industrial applications such as oil, hydraulic fluids, alcohol and aqueous solutions, for hot water wash down applications and for general air service. Static conductive for more safety.

- Resistant to oil and abrasion
- Minimum burst pressure of 60 kg/cm² (6 MPa)
- Temperature range from -40°C to +100°C

Packaging:

40 m hose in shrink-plastic.

PN	↔		Max. ⚙	
	mm	"	Mpa (liquid)	Mpa (gas)
3206-10018	6	1/4	2.0	1.5
3206-10020	8	5/16	2.0	1.5
3206-10022	10	3/8	2.0	1.5
3206-10024	13	1/2	2.0	1.5
3206-10026	16	5/8	2.0	1.5
3206-10028	19	3/4	2.0	1.5
3206-10030	25	1	2.0	1.5

Product type 3219



GP 80 PLUS

Durable hose for general industrial applications such as oil, hydraulic fluids, alcohols, aqueous solutions, acids, detergents and chemicals. Static conductive for more safety.

- Resistant to oil, abrasion, weathering and ozone
- Minimum burst pressure of 110 kg/cm² (11 MPa) for sizes up to 13 mm (1/2") ID and 90 kg/cm² (9 MPa) for larger sizes
- Temperature range from -40°C to +100°C

Packaging:

40 m hose in shrink-plastic.

PN	↔		Max. ⚙	
	mm	"	Mpa (liquid)	Mpa (gas)
3219-10028	6	1/4	3.7	2.8
3219-10030	8	5/16	3.7	2.8
3219-10032	10	3/8	3.7	2.8
3219-10034	13	1/2	3.7	2.8
3219-10036	16	5/8	3.0	2.3
3219-10038	19	3/4	3.0	2.3
3219-10040	25	1	3.0	2.3
3219-10041	32	1 1/4	3.0	2.3
3219-10003	38	1 1/2	3.0	2.3
3219-10005	50	2	3.0	2.3



Product type 4040



SIGNAL CALL HOSE

Suited for driveway signal devices in service stations and garages.

- Long-lasting synthetic rubber tubing specially built to register the slightest pressure
- Resistance to wear caused by friction
- Withstands vehicle weight at temperatures up to +65°C

PN				
		mm	"	
4040-04359	27539	9.5	3/8	15.2 m in a carton
4040-04361	28686	9.5	3/8	91.5 m on a reel
4040-04362	28681	9.5	3/8	30.5 m in a carton

Product type 3204



PLANT MASTER™

Suited for air and water applications requiring maximum flexibility.

- Reinforced by synthetic, high-tensile textile cord
- Outstanding resistance to heat and ozone
- Good cover resistance to animal fat and vegetable oils and is also excellent for use with dilute solutions of agricultural chemicals
- Working pressures of up to 1.4 MPa (14 kg/cm²) for liquids and 1.1 MPa (11 kg/cm²) for gas
- Withstands temperatures of up to +93°C in continuous service
- Meets requirements of RMA (class C) limited oil resistance

Packaging:

On reels, maximum 2 pieces with a minimum length of 15 m.

PN			Length
	mm	"	m
3204-01401	6	1/4	± 180
3204-00710	8	5/16	± 180
3204-01407	10	3/8	± 180
3204-01413	13	1/2	± 180
3204-01419	16	5/8	± 180
3204-01422	19	3/4	± 180
3204-01431	25	1	± 100
3204-01434	32	1 1/4	± 90
3204-01437	38	1 1/2	± 75

BELT DRIVE SYSTEMS

COOLING SYSTEMS

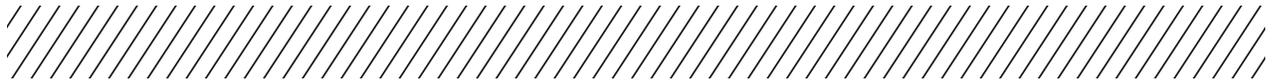
FUEL SYSTEMS

AIR & DEFROSTER SYSTEMS

SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



Product type 4040



WINDSCREEN WASHER AND VACUUM TUBING

The ideal hose to replace the PVC tubing used for windscreen or headlight washers in cars, to connect vacuum-operated car accessories and to discharge radiator overflow or rainwater.

- Remains flexible for easy installation and cleaning
- Resistant to the harmful conditions under the bonnet
- Heat, ozone, coolant and kink resistant
- Temperature range from -40°C to +125°C
- Meets requirements of SAE J1037, J942b

Packaging:

15 m reel. All reels fit Gates fuel line hose merchandiser (page 31).

PN			
		mm	"
4040-04101	27041	2.8	7/64
4040-04104	27042	4.0	5/32
4040-04107	27043	5.5	7/32
4040-04110	27044	6.4	1/4

Product type 2960



STATIC STRAPS

Manufactured to discharge potentially dangerous static electricity from your car or truck when properly grounded.

- Specially compounded rubber conducts static electricity
- Resists weathering, abrasion and tear

Packaging:

Standard pack: 1 piece.

PN			
		mm	"
2960-00050	90329	380	15
2960-00051	90330	640	25
2960-00052	90331	760	30

BELT DRIVE SYSTEMS

COOLING SYSTEMS

FUEL SYSTEMS

AIR & DEFROSTER
SYSTEMS

SERVICE HOSE
& OTHERS

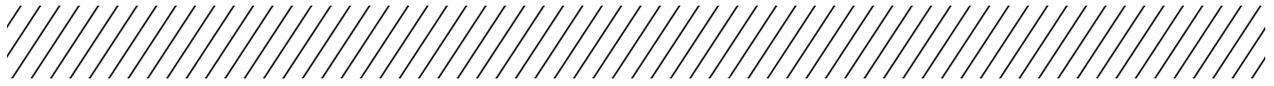
TOOLS

TECHNICAL SUPPORT
& CATALOGUING

TOOLS

Gates offers the complete package: OE equivalent replacement products in combination with all the necessary specialist tooling for safe and correct installation and maintenance.





Product type 7468



PROFESSIONAL AUTOMOTIVE TOOL RANGE

Increasingly, belt set-up procedures are drive system specific. In order to ensure that installation can be achieved correctly and according to the vehicle manufacturer's recommendations the correct tool must be used. Without these specialist tools, errors can occur during drive system maintenance. Consequences include premature failure of the drive belt or tensioner, damaged drive system components or even the complete destruction of the engine itself.

Being aware of the implications of premature belt failure for the garages and attempting to address the growing need for greater expertise, Gates chose to complement its broad range of replacement products with professional tools that ensure a perfect installation and offer the mechanic all he needs for a thorough drive system overhaul. The Gates professional automotive tool range is a line of universal and engine-specific tool kits for synchronous and accessory belt drive systems.

BELT DRIVE SYSTEMS

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TECHNICAL SUPPORT & CATALOGUING

Product number 7420-00301



STT-1 SONIC BELT TENSION TESTER

Proper belt installation tension is essential for optimum performance and reliability of timing belt drives. Experienced mechanics may feel they are able to check belt tension by rule of thumb, but tension results vary from one operator to another. That is why Gates recommends using the sonic belt tension tester STT-1: it measures belt installation tension accurately every time and therefore provides a quality standard.

- All tension values and drive characteristics are programmed in the device
- Belt frequency analysis
- Database covers all the popular car models in Europe
- Reduced sensor size and high wire flexibility
- Suitable for Gates PowerGrip™ timing and Micro-V® multi-ribbed belts
- Very simple and easy-to-use measuring process

Product number 7468-00114



MICRO-V® LASER ALIGNMENT TOOL

Gates Micro-V® laser alignment tool quickly identifies the two most common types of misalignment in serpentine belt drive systems – parallel offset and angular – that reduce belt and pulley service life and produce unwanted noise. Simply position the tool within the grooves of a pulley and aim its bright laser beam at an opposite pulley. Any misalignment is instantly visible.

Product type 7468



STRETCH FIT™ INSTALLATION TOOLS

Correct installation of elastic belts demands the use of specialist tools. Therefore Gates developed a unique range of re-usable Stretch Fit™ installation tools offering the mechanic everything he needs to guarantee perfect fitment of Gates Micro-V® Stretch Fit™ elastic multi-ribbed belts. Gates was first-to-market with this unique approach.

The Gates Stretch Fit™ tools are packed in a sturdy impact-resistant plastic case. As the tools are re-usable, Stretch Fit™ belts and tools are sold separately.



KRIKIT BELT TENSION GAUGES

Product number 7401-00071



KRIKIT I V-BELT TENSION GAUGE

Tension is of the utmost importance for V-belt performance and service life. Applying the correct tension is easy with the aid of Gates Kriket I. The Kriket I also allows control and maintenance of the optimum tension after installation. The scale indicates the tension in both kilograms (kg) and pounds (lb). Kriket I can also be used for tension control of narrower Micro-V[®] belts (3 - 4 ribs). Not recommended for timing belts.

Packaging:

Individually boxed. Useful tips on correct tensioning and maintenance, as well as average tension values, are enclosed.

Product number 7401-00072



KRIKIT II MICRO-V[®] BELT TENSION GAUGE

The Kriket II is specially designed for measuring the higher tensions which are required by Micro-V[®] belts used on passenger cars, trucks and buses. The gauge is calibrated to measure tensions ranging between 50 kg and 150 kg (100 lb to 320 lb). Not recommended for timing belts.

Packaging:

Individually boxed. Instructions and average belt tension values are enclosed.

Product number 7401-00008



V- AND MICRO-V[®] BELT LENGTH FINDER

This tool is indispensable in cases where you have to identify the correct replacement belt when you only have the used V-belt or multi-ribbed belt at your disposal. This tool measures the old belt and immediately indicates the corresponding replacement belt length.



Product type 7469



HOSE CUTTER

Lightweight cutter specially designed to cut fabric-reinforced and PVC hoses without leaving ragged edges. Blade closes into handle for safety.

Packaging:

Cutter and blades individually packaged.

SMALL ID CUTTER FOR HOSES UP TO 38 MM (1 1/2") ID

PN		Description
7469-00153	91153	cutter
7469-00154	91154	blades for red cutter - 91153

LARGE ID CUTTER FOR HOSES UP TO 76 MM (3") ID

PN		Description
7469-00143	91143	cutter
7469-00144	91142	blades

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SERVICE HOSE & FITTERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING

TECHNICAL SUPPORT & CATALOGUING

Gates' Pan-European technical support and training team develops technical service concepts and training initiatives to help you with new technology and boost your sales. Gates experts always stress the benefits of thorough drive system inspections and complete system overhauls as part of every scheduled accessory or synchronous belt change.

Gates' cataloguing team researches and catalogues application and article data on virtually every vehicle on the road. The Gates online catalogue (www.gatesautocat.com) is considered to be one of the industry's most complete and up-to-date information resource.



BELT DRIVE SYSTEMS

COOLING SYSTEMS

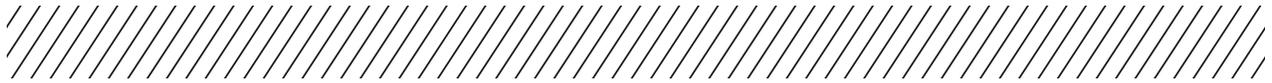
FUEL SYSTEMS

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SERVICE HOSE & OTHERS

TOOLS

TECHNICAL SUPPORT & CATALOGUING



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GATES ACCESSORY DRIVE SOLUTIONS - WEBINAR 24/07/2020



WWW.GATESTECHZONE.COM/WEBINARS

TRUE TECHNICAL SUPPORT

Gates has a Pan-European team responsible for technical support and training. This team develops training initiatives and technical service concepts to help you with new technology and boost your sales. Gates experts always stress the benefits of thorough drive system inspections and complete system overhauls as part of every scheduled accessory or synchronous belt change. In addition, Gates provides technical back-up with Technical Tips which tackle specific drive system problems and troubleshooting guides which help prevent common installation errors. These Tech Tips are freely available from GatesTechzone and in the Gates web and app catalogue.

Furthermore, the team of experts organize live webinars designed to provide support for professional installers. Sharing technical know-how is of critical importance in the independent aftermarket. Gates live webinars provide an opportunity to watch, listen, ask questions, and get answers in real-time to keep you up to date with new technologies, and deal with specific engine issues and drive layouts. They are freely available on GatesTechzone in different languages.

DIGITAL INSTALLATION INSTRUCTIONS FOR POWERGRIP KITS

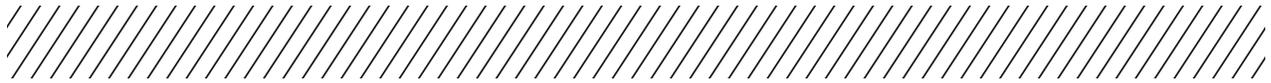
Gates introduces digital installation instructions for the replacement of timing belt drives. QR codes are included on all PowerGrip® timing belt kit boxes. A quick scan of the QR code on the box label leads installers to comprehensive online fitting instructions available in 27 different languages. What is more is that an extra security layer helps them to identify counterfeit parts before they are fitted.

THE ADVANTAGES OF DIGITAL INSTALLATION INSTRUCTIONS

- Scanning the QR code on the box label or entering the product key on <https://install.gates.com> gives access to all the information needed to do the replacement job right first time
- Engine-specific instructions instead of generic
- Step-by-step format with clear and detailed drawings
- Available in 27 languages for greater clarity and valuable time savings
- Counterfeit detection made easier than ever



INSTALL.GATES.COM



WWW.GATESAUTOCAT.COM

WEB CATALOGUE

(www.gatesautocat.com)

The extensive online catalogue, www.gatesautocat.com, gives detailed application and product information for all vehicle models. For each vehicle model, all available products from the complete Gates range can be found.

The eye catcher on Gatesautocat.com is the centrally located search bar which allows users to search parts for cars, trucks and recreational vehicles in a fast and intuitive way. Simply type in OE reference numbers or Gates Buyer's Guide details for a full product overview. Search terms such as make, model or part numbers produce results just as quickly. Or you can make your selection from the comprehensive list of vehicle manufacturers on display. Scrolling down through columns such as model, year, series, engine and fuel-type allows for easy part identification.

GatesAutoCat has more in store than just an applications catalogue. It is a comprehensive database that includes complete product sheets with links to upsell opportunities. Looking for a kit component for example, the online catalogue will not only give you full details of the component, but also the link to the parent kit it belongs to. With one click, all of the kit contents are revealed, making it easier to confirm a correct part while also clarifying its precise role in the drive system.

The new Catalogue Builder tool is very useful to create individual catalogues on the specific vehicle manufacturer of your choice.

We're the first supplier in the market to offer a Kit Finder tool in our online catalogue. The best way to guarantee a reliable belt drive system is to replace belts and all the related belt drive components at the same time. To make it even easier to identify the OE quality parts you need for a complete overhaul of any specific drive system, we added a Kit Finder tool to our online catalogue. Conversion from loose components to kits will increase revenue for distributors, jobbers and garages. Using a kit saves you precious time and a lot of trouble. You can serve your customer with just one complete product rather than having to buy and store multiple parts. As of now, finding the right kit is a breeze as well. Thanks to the Kit Finder tool we introduced, all you have to do is enter the OE number, Gates article number or competitor number of the parts you need. The tool selects the right kit for you.

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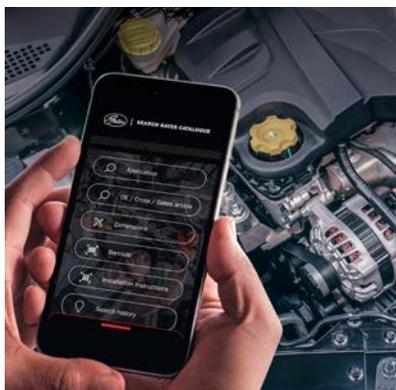
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GATES MOBILE APP

The new, free app for mobile phones and tablets makes the Gates Automotive Catalogue even more accessible by providing users quick access to one of the automotive aftermarket's most comprehensive product ranges. Now available for download, the Gates Automotive Catalogue App adapts the flexibility provided by smartphone and tablet operating systems to create a simple, fast and flexible tool. Offering an improved user experience, the Gates Automotive Catalogue App delivers enhanced features and service levels not available via desktop or mobile browsers, including:

- A Barcode and QR code Scanner: By scanning the barcode or the QR code on Gates' product boxes, users have instant access to part images, application data, Tech Tips and Technical Bulletins, providing numerous time-saving benefits for installers and distributors
- Additional Search Functionality: Users can search belt, pulley and hose sizes and characteristics, no matter the application
- Select and Compare Tool: Users now have the ability to list and compare similar products and kits side-by-side to make more informed selections
- Automatic Search Log History: The app automatically saves recent search history, allowing users quick and easy access to data and reminders for their most popular models
- Users can download the **Gates Automotive Catalogue** app in the iOS App Store or Google Play Store for free or scan this QR-code for easy access to the download

GATES AUTOMOTIVE CATALOGUE





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//////
**GATES CONTINUES
TO INNOVATE, ADDING
SOLUTIONS SUCH AS
THE ENGINE HOSE LINE,
INTRODUCED WITH GREAT
SUCCESS RECENTLY.**

**STAY TUNED FOR FUTURE PRODUCT LAUNCHES,
FOR EXAMPLE: A NEW VARIABLE VALVE TIMING
PRODUCT LINE IN 2021.**



CHECK OUT THE LATEST ONLINE
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WWW.GATESAUTOCAT.COM



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CUSTOMER EXPERIENCE TEAM

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