2025

PRODUCTS CATALOG

THERMO SMART®

Thermal Management Solutions

Hangzhou SMART Mfg. Group Co., Ltd.
杭州蒂那科科技有限公司

Contents

About us

SMART is a WFOE specializing in the manufacture of automotive cooling system parts. Our product range includes Engine Thermostats, Thermostat Housings, Water Flanges, Sensors, Auxiliary Water Pumps and Oil Coolers. Headquartered in Hangzhou, Zhejiang Province, China, we strive for excellence in every aspect of our business.

Product Range & Service

SMART is a manufacturer of its own branded engine thermostats, for European,American, Japanese, Korean & Chinese vehicles. Our focus is on delivering reliable,efficient and affordable solutions, while maintaining the highest standards of quality. As a result, SMART is a trusted partner for the automotive industry, providing top-performing cooling system parts that meet the needs of our clients.

Truck Competence

At SMART, we specialize in producing thermostats for the most demanding industries. Our products are designed for commercial medium and heavy-duty trucks, as well as construction, industrial, agricultural, and utility vehicles. We understand the importance of reliability in these industries, which is why we engineer our thermostats with exceptional quality and stability to ensure safe engine operation in even the toughest road and weather conditions.

The Best & First to the Market !

SMART is committed to bringing the latest innovations to market.We pioneered Aluminum Housings in early 2000s,led MAP Thermostat production in 2008, and in 2024 our experts have developed advanced Motorized Thermostats.

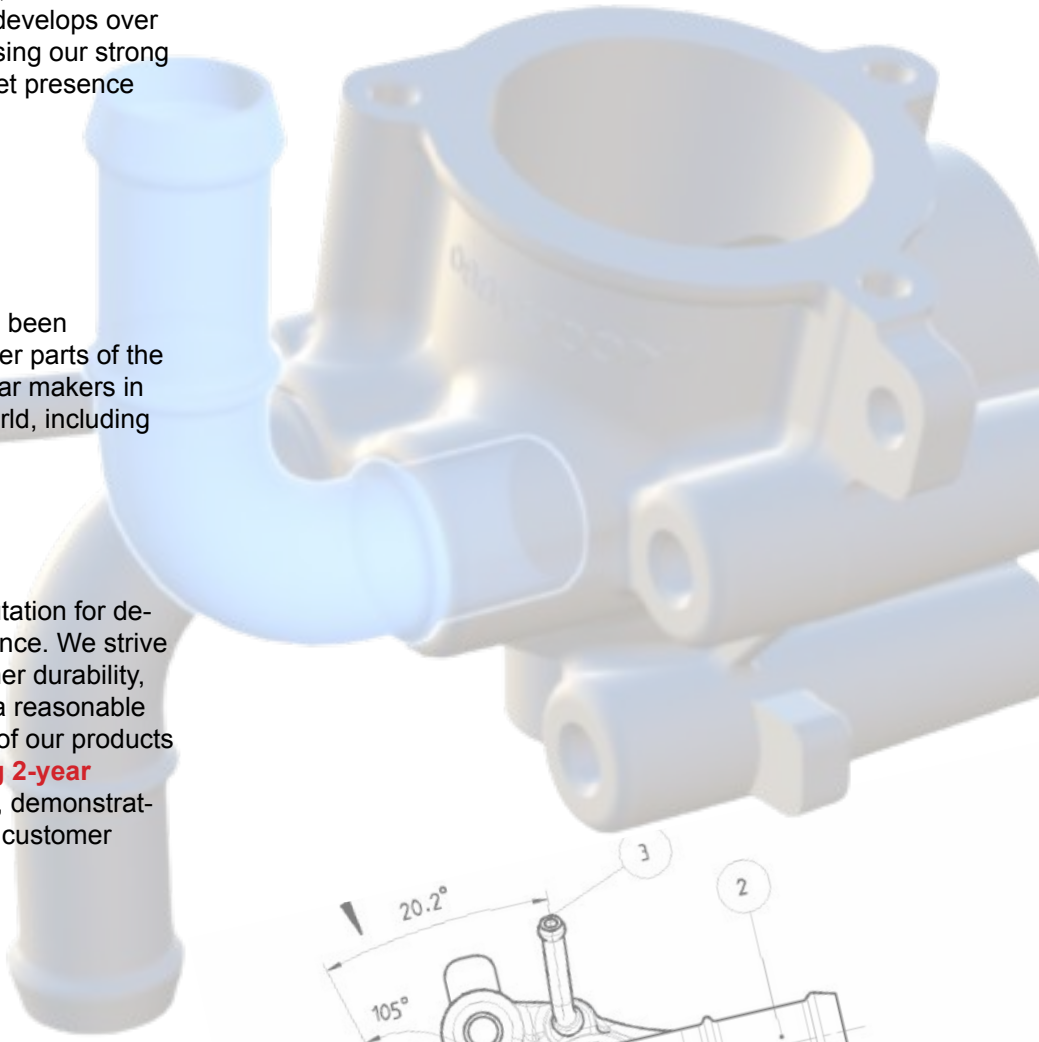
Quality

SMART has achieved the esteemed ISO 9001:2015 , ISO-14001:2015, ISO-45001:2018 certification from CNAS/IAF, demonstrating our adherence to the international standards in the development, assembly, and sales of automotive thermostats and housings. We are steadfastly working towards obtaining IATF-16949 certification, a globally recognized standard for quality management in the automotive industry. This further reflects our unwavering commitment to providing products that consistently meet our customers' needs and expectations, resulting in exceptional customer satisfaction."

Capabilities

Innovation & Excellence

Smart prioritizes innovation, quality, and service excellence. Our skilled R&D team develops over 50 new products annually, showcasing our strong R&D capabilities and leading market presence with a diverse range of offerings.



OEM & OES

For more than a decade Smart has been manufacturing thermostats and other parts of the cooling system for the majority of car makers in mainland China and around the world, including **25 Premium OES Brands.**

Guaranteed Performance

Smart is a brand with a strong reputation for dependability and top-notch performance. We strive to provide better performance, higher durability, and improved engine efficiency at a reasonable cost. Our confidence in the quality of our products is reflected in our **industry-leading 2-year warranty** on our branded products, demonstrating our unwavering commitment to customer satisfaction.

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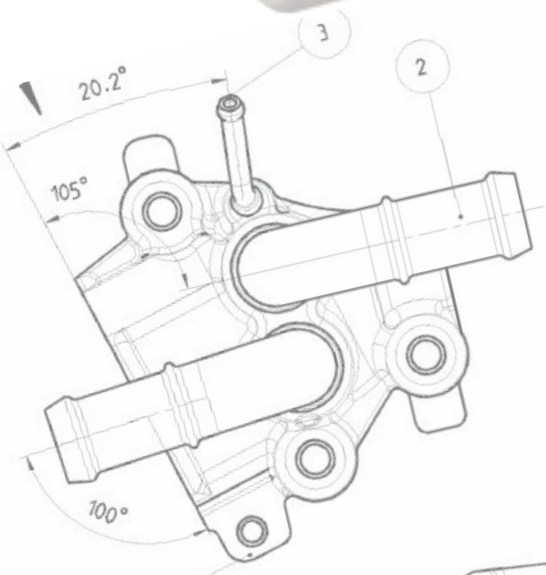


浙江省科技型中小企业
证 书
企业名称：杭州蒂那科科技有限公司
证书编号：202133010004885
浙江省科学技术厅


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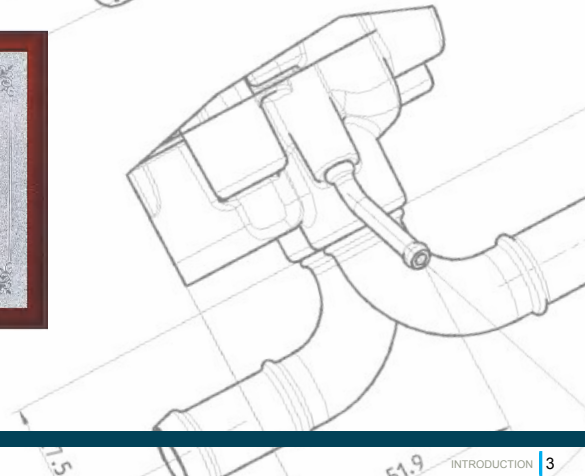


Thermostat : Types

Thermostat Inserts

These enable the precise regulation of coolant circuits to approximately 20 m3/h in passenger cars, commercial vehicles, stationary engines, and agricultural and construction machinery.

Sleeve Valve Thermostat

These regulate the cooling circuits in large engines with low volumes starting from approximately 20 m3/h, e.g. in commercial vehicles, ships, and trains. The sleeve valve principle provides axial relief.

Integral Thermostats

All components such as the thermostat insert, cover, and gasket are already integrated into the integral thermostat. It can be flange-mounted directly onto the engine block.

Electric Thermostat (MAP Controlled)

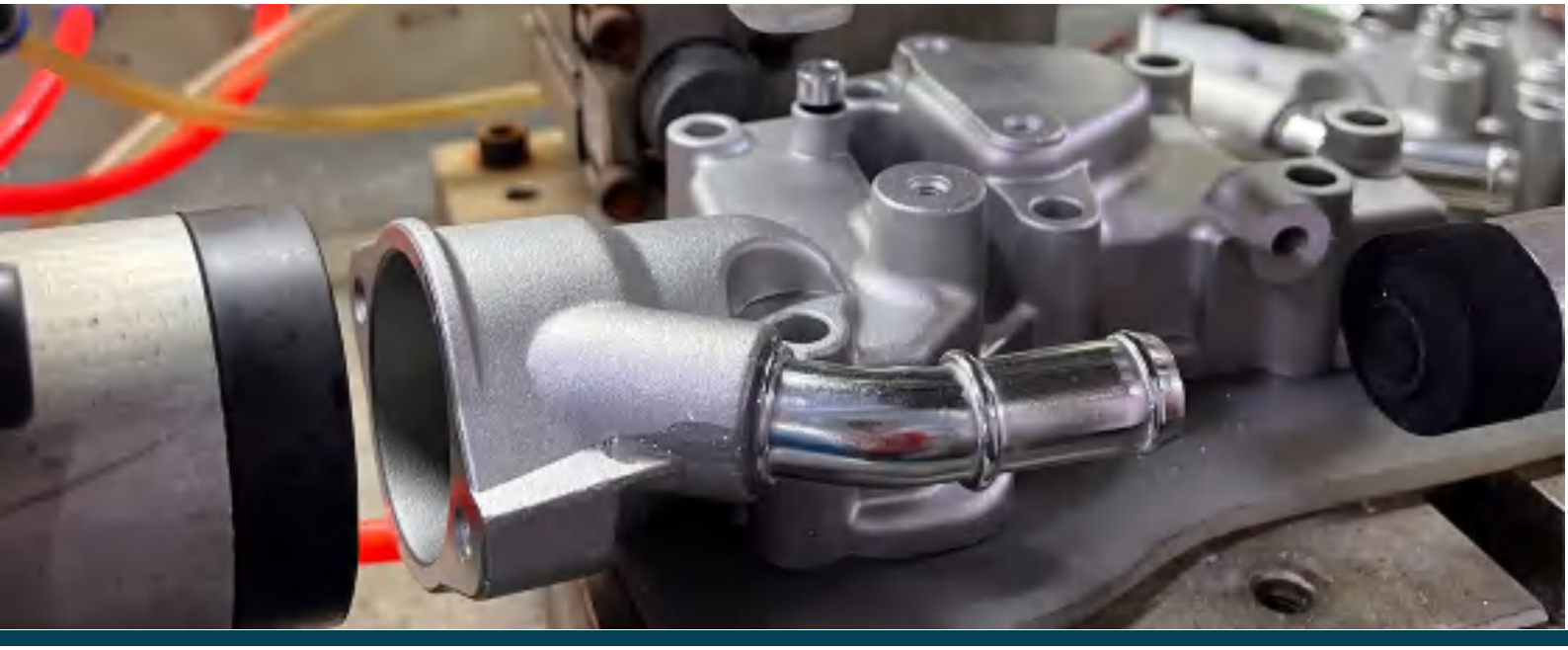
The most effective managers in the thermal system: an electrical heating resistor is integrated into the thermal expansion element. Consequently, these thermostats can be electrically activated, and thus have a considerably faster effect on the engine temperature to keep the engine within the optimum range under various load and operating conditions.
The result: improved engine output and a longer service life, as well as reduced consumption and emissions. An operating map stored in the engine control unit defines when and how heat is added.

Thermostat Housing

These consist of a combination of cover and housing, i.e. the mixing chamber is already integrated. Housing thermostats can be fully connected with hoses or equipped with flange and hose connectors.

Motorized Thermostat Assembly & ETM

A combination of Thermostat and housing,driven by an actuator for faster and precise performance in modern engines.



Technical Tips

US

Thermal Expansion Elements

The expansion material (wax) forms the core of the thermostat: when heated, it increases in volume and thus moves the piston. If the temperature drops again, it reduces in size, and a spring pushes the piston back into its starting position.
Thermal expansion elements are maintenance-free and durable. Their range of use is very versatile: actuation forces from 30 N to 2,500 N, short or long strokes, and a variety of control ranges within the temperature span of -20ºC to +130ºC (-4°F to +266°F).

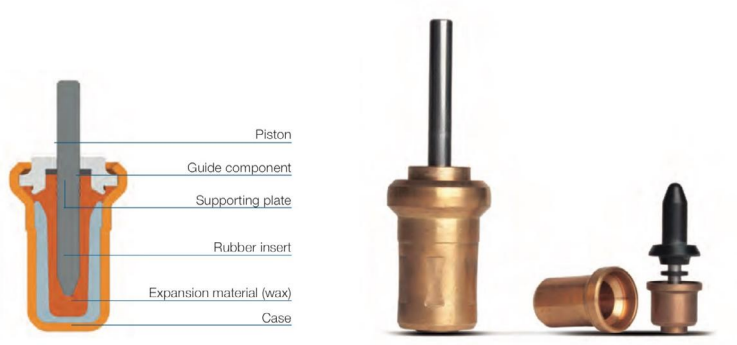


Fig. 1

Customize Temperature

With thermostat inserts specifically in mind, Smart has included thermostats with varying opening temperatures of the same design in its product range.
For example, the 86 is available with six different opening temperatures. The main application here is the 86 , i.e. the thermostat fitted as standard has an opening temperature of 198°F.
Reasons for fitting a thermostat of the same design with a lower opening temperature include:

- Use in warmer climates
- Vehicle tuning
- A different area of application, e.g. in a stationary engine

This diversity is one of the outstanding features of the Smart thermostat range. The variants with special temperatures are indicated accordingly in the catalog.

How Thermostats Works ?

In a cold engine, the coolant circuit is kept closed in order to warm up the components quickly. The coolant does not flow through the radiator but through a smaller circuit known as the bypass loop.
It warms the coolant with heat from the engine until the defined coolant temperature has been reached. Once the coolant is approaching the optimum temperature level, the thermostat opens the flow inlet to the radiator.
If the maximum permissible temperature is reached, it sends the entire flow of coolant to the radiator for effective cooling in order to prevent the unit from overheating. At the same time, the bypass loop is closed off (Fig. 2).

This functional diagram does not only apply to the engine's primary cooling circuit; the flow to the auxiliary units and other circuits can also be controlled separately.

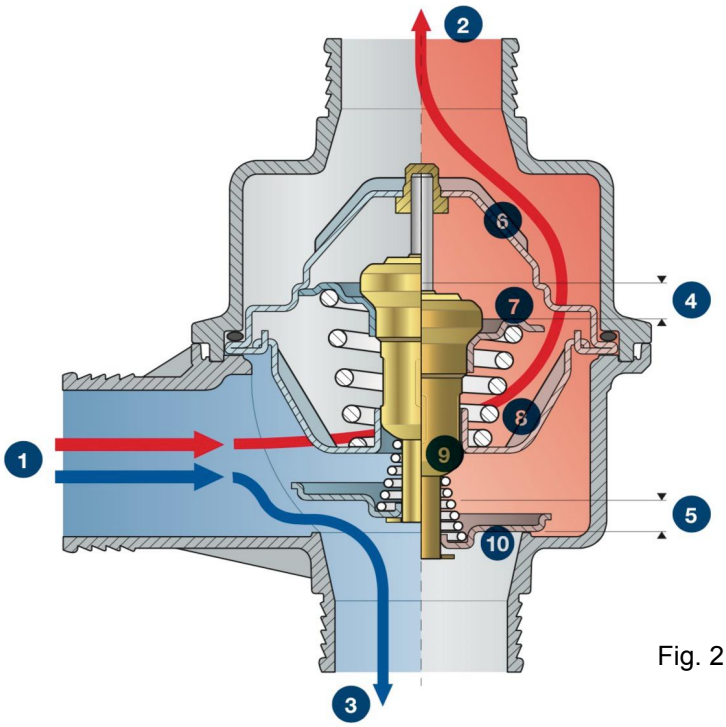


Fig. 2

1 From the engine
2 To the radiator
3 Bypass
4 Expansion stroke
5 Bypass Stroke
6 Base plate
7 Valve disc
8 Guide
9 Thermal expansion element
10 Bypass valve

Product's Highlight

Unmatched durability and performance, from the experts in

Truck Thermostats

SMART is a leading manufacturer of engine thermostats for the commercial trucking industry. The company is dedicated to providing exceptional quality and reliability in their products. The engine thermostats meet and exceed strict European standards and undergo rigorous testing procedures. SMART offers a comprehensive product portfolio compatible with a wide range of truck types. The products deliver an exceptional level of performance and reliability at a competitive price. SMART has earned a reputation for quality and reliability among leading truck parts original equipment supplier (OES) brands in Europe and America. The company is committed to providing innovative solutions and delivering customer satisfaction.

When choosing SMART engine thermostats, companies can be confident in receiving a product that has been engineered for optimal performance and reliability. The engine thermostats are designed to handle the harshest weather and engine conditions, ensuring reliable performance for companies with demanding operations. The company's expertise in the commercial trucking sector makes them an ideal partner for large companies seeking to improve fleet efficiency and productivity. SMART is committed to delivering the quality and performance demanded by its customers at an affordable price.

In short, SMART is a trusted provider of high-quality engine thermostats for the commercial trucking industry, delivering exceptional performance and reliability at a competitive price point. The company's expertise and commitment to quality make it an ideal partner for large companies in the industry.

TRUCK COMPETENCE

US

Product's Highlight

The Future of Engine Temperature Control

Motorized Thermostats

What is a Motorized Thermostat?

A motorized thermostat is an advanced engine thermostat that uses an electric actuator to control the opening and closing of the valve. Unlike traditional wax-based thermostats, it receives signals from the engine control unit (ECU) for precise temperature management. This enables faster and more accurate responses to changes in engine load and operating conditions. Motorized thermostats are common in modern engines and are designed to improve fuel efficiency, emissions control, and overall engine performance.

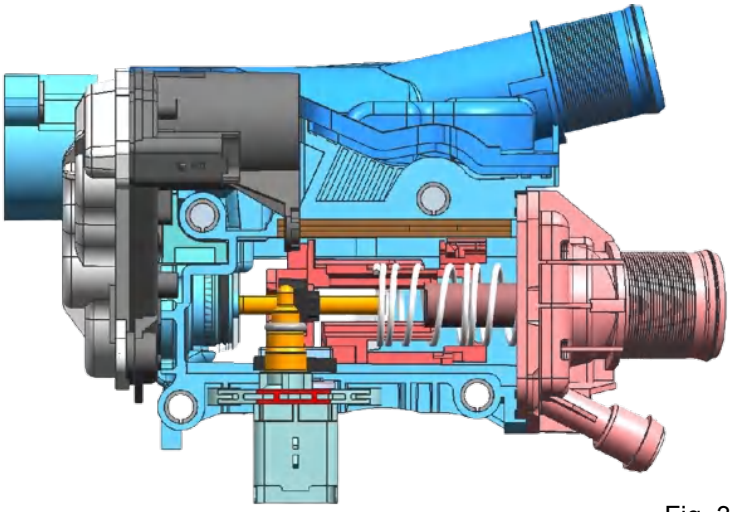


Fig. 3

How Motorized Thermostats Works ?

Motorized thermostats offer several benefits over traditional designs. They provide more precise temperature control by responding to real-time signals from the ECU. This leads to improved fuel efficiency, reduced emissions, and enhanced engine performance. Faster temperature adjustments help engines reach optimal operating conditions quickly. Motorized thermostats also improve thermal management in high-performance engines, reducing the risk of overheating and ensuring reliable operation under various driving conditions.

What are SMART's Motorized Thermostat Advantages?

SMART's motorized thermostats are supported by technical expertise from the USA-based ITW actuator team. They feature independently designed PCB structures to eliminate chip patent risks. With reverse-engineering capabilities, SMART optimizes product characteristics for superior performance and reliability. These thermostats undergo rigorous testing, including motor performance, temperature hedging, water spray resistance, noise, response time, and comprehensive performance tests. As a result, SMART's motorized thermostats offer exceptional durability, precision, and reliability for high-performance and modern engine applications.

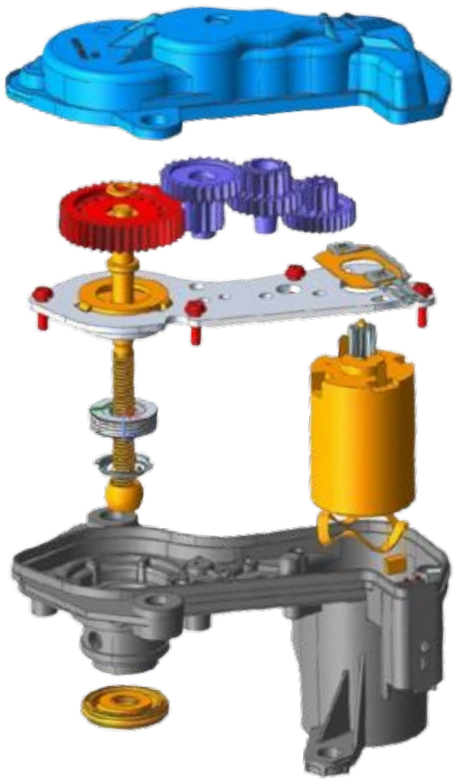
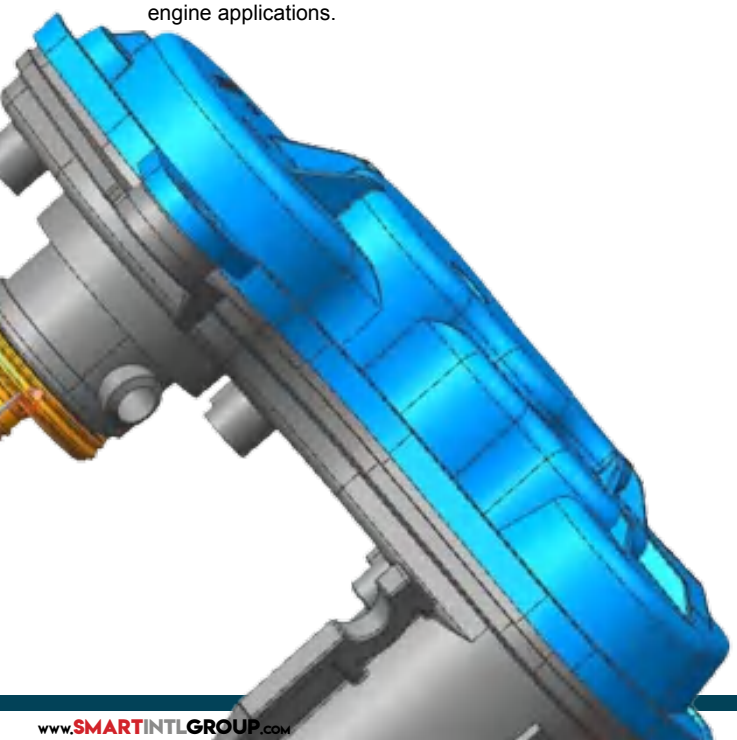


Fig. 4



Engine Thermostat : The Best from China

Thermostats—important components for original equipment...

To operate efficiently while minimizing wear and emissions, a combustion engine requires the temperature to be maintained at a certain level. This is what thermostats aim to do: they ensure that the engine reaches its operating temperature as quickly as possible and the optimum temperature is maintained. They also ensure that the vehicle's interior warms up quickly during the colder months of the year.

Thermostat technology is constantly evolving especially because thermal management plays a vital role in compliance with current and future emission standards.

...Replace Thermostats On-time

Thermostats are in use in every vehicle. In principle, they are designed to last for the entire service life of the vehicle, and are not naturally subjected to wear. However, external factors, such as the use of low-grade coolant, can lead to material fatigue. Contamination by small particles from the coolant circuit can also impair a thermostat's function and necessitate its replacement. Moreover, thermostats should be replaced any time work is carried out on the cooling system (coolant pump, radiator, heat exchanger, cylinder head gasket). This is because any loss of functionality or even complete failure can have serious consequences: if the thermostat is always open, the engine will be cooled too much. If the thermostat is always closed, then the engine will not be cooled at all and will overheat. However, the driver will generally notice this much too late; by that time, the cylinder head gasket has already been damaged, the cylinder head has overheated, and the coolant circuit has mixed into the oil circuit.

Smart One-Stop Cooling Parts Solution...

Thanks to its strategic collaboration with high-end OEM & OES clients ,our aftermarket customers stand to benefit from this development too: various thermostats in original equipment quality are gradually being added to the Smart product range.
Whether you're looking for passenger car or commercial vehicle options, Smart Aftermarket offers thermostats , thermo housing and thermal switches, for a wide range of applications.

Technical Tips

US
FR

How To Maintain The Right Engine Temperature:

●An effective thermostat controls the tem- perature of the engine, protecting it from the heat caused by fuel combustion.

●A thermostat does not add extra heat. Overheating will cause damage to the engine and to the thermostat.

●Every engine must run at a specified temperature. An engine that runs cold (without a thermostat) will use between 10-20% more fuel and will not function properly.

●Never run an engine without a thermostat in any climate. Engines are designed to run at a certain temperature. The ther- mostat brings the engine to that temperature and holds it there. Thermostats must always be used, in every climate, to prevent engine damage.

●Always match the correct pressure cap to the correct thermo- stat.

Overheating Can Result From:

●Pure water in the cooling system with a pressure cap ≥ 4 PSI.
●Coolant not at the right mixture.
● A faulty pressure cap.
● A dirty radiator.
● A defective water pump.
● A defective thermo switch.
●And many other reasons.

In Cold Weather, To Create Sufficient Heat In The Engine:

● Check that the heat control is set to the correct temperature.
● Check that the anti-freeze level is correct.
● Check that the hoses to and from the radiator are not clogged.
● Change the thermostat to a higher temperature.
● Check that the thermostat is not stuck open.

Comment Garder La Bonne Température Dans Le Moteur

● Un bon thermostat contrôle la tempéra- ture du moteur et le protège de la chaleur dégagée par la combustion du carburant. Un thermostat n'ajoute pas de la chaleur. Toute surchauffe provo- quera des dom- mages au moteur et au thermostat.

● Chaque moteur doit fonctionner à une température bien spécifiée. Un moteur qui fonctionne à froid (sans thermostat) con- sommera entre 10 et 20 % de carburant en plus et ne fonctionnera pas correctement.

● Ne faites jamais fonctionner un moteur sans thermostat quel que soit le climat. Les moteurs sont conçus pour fonctionner à une certaine température. Le thermostat porte le moteur à cette température et l'y maintient. Les thermostats doivent toujours être utilisés, qu'importe le climat, pour prévenir tout dommage au moteur.

● Toujours utiliser le bouchon de pression adapté au Thermostat.

La surchauffe peut provenir de:

● L'eau pure dans le système de refroidissement avec une pres- sion supérieure à 4 PSI.
● Le liquide de refroidissement n'est pas formé du bon mélange.
● Un bouchon de pression inadapté. ● Un radiateur sale.
● Une pompe à eau défectueuse.
● Un thermocontact défectueux.
● Et bien d'autres raisons.

Par temps froid, pour créer une chaleur suffisante dans le moteur:

● Revise que el control de calor está ajustado a la temperatura correcta.
● Revise que el nivel de anticongelante es correcto.
● Revise que las mangueras desde y al radiador no están obstruidas.
●Aumente la temperatura del termostato.
●Revise que el termostato no esté atascado en posición abierta.

Technical Tips

Cómo Mantener La Temperatura De Motor Correcta

● Un bon thermostat contrôle la tempéra- ture du moteur et le protège de la chaleur dégagée par la combustion du carburant. Un thermostat n'ajoute pas de la chaleur. Toute surchauffe provo- quera des dom- mages au moteur et au thermostat.

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● Toujours utiliser le bouchon de pression adapté au Thermostat.

Se puede producir un sobrecalenta miento por:

● Agua pura en el sistema de refrigeración con tapa de presión superior a 4 PSI.
●Refrigerante en incorrecta mezcla.
●Tapa de presión defectuosa.
●Radiador sucio.
●Bomba de agua defectuosa.
●Interruptor térmico defectuoso.
●Y otras muchas más razones.

En clima frio, para crear calor suficiente en el motor:

● Revise que el control de calor está ajustado a la temperatura correcta.
● Revise que el nivel de anticongelante es correcto.
● Revise que las mangueras desde y al radiador no están obstruidas.
●Aumente la temperatura del termostato.
●Revise que el termostato no esté atascado en posición abierta.

Как Поддерживать Надлежащую Температуру Двигателя

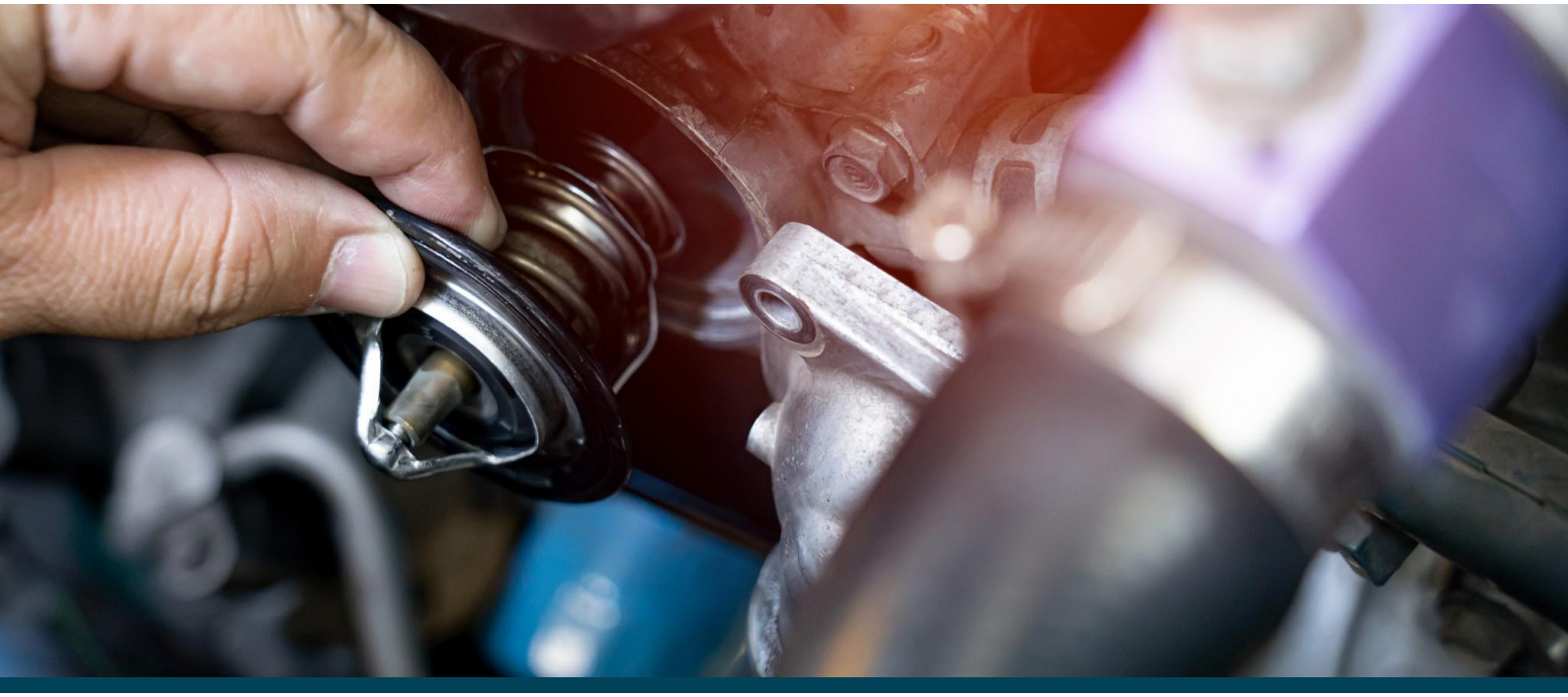
●Эффективный термостат управляет температурой двигателя , защищая его от тепла, которое выделяется при сгорании топлива. Термостат не добавляет дополнительного тепла. Перегрев ведет к повреждению двигателя и термостата.
● Каждый двигатель должен работать при определенной температуре. Двигатель работаюший в холодном состоянии (без термостата), потребляет на 10-20 % больше топлива и не функционирует надлежащим образом.
●Эксплуатация двигателя без термостата ни в каких климатических условиях не рекомендуется. Двигатели рассчитаны на эксплуатацию при определенной температуре. Термостат обеспечивает поддержание этой температуры. Во избежание повреждения двигателя необходимо всегда и в любых климатических условиях использовать термостат.
●Герметичная крышка всегда должна соответствовать правильно выбранному термостату.

Перегрев может произойти в результате: следующего:

● В систем е охлаждения чистая вода и герметичная крышка расчитана на нагрузку боле 4 PSI.
●Неправильно подобранное соотношение компонентов охлаждающей жидкости.
●Неисправная герметичная крышка.
●Загрязненный радиатор.
●Неисправный водяной насос.
●Неисправный тепловой выключатель.
●И многие другие причины.

Для достаточного прогревания двигателя в холодную погоду:

●Убедиться в том что регулятор подогрева установлен на надлежащую температуру.
●Убедиться в правильности уровня антифриза.
● Убедиться в том что подводящий и отводящий шланг радиатора не засорен.
●Установить термостат с более высокой температурой открытия.
●Убедиться в том что термостат не заблокирован в открытом положени.



MISSION TO
GERMANY

The German automotive industry is renowned for its excellence in engineering and cutting-edge technology, with German cars embodying values of reliability, safety, and design. Hangzhou Smart, a leading manufacturer of engine thermostats and cooling system parts, is proud to have established strong partnerships with clients in Germany and to have become a trusted supplier in the market. The company is committed to the development of new and innovative products specifically for the German market, recognizing its significance and welcoming new clients and partners to join in its exciting journey. With a focus on quality and service, Hangzhou Smart is proud to be a part of the thriving German automotive industry and dedicated to maintaining its commitment to quality and innovation.

QUALITY
SERVICE
TRUST

US

Warranty Terms:

SMART warrants that all of its thermostats and caps are manufactured to be free from defects in material and workmanship. If any products sold by **SMART** are proven to be defective when sold, then **SMART** will replace such products or credit the distributor for the purchase price.
Replacement/credit privileges apply only to products proven to be defective within the warranty period .
The duration of the warranty period for All engine thermostats and parts is 12 months and
Extended warranty of 24 months for "**ThermoSmart**" Branded products from the date of Shipment.

The replacement/credit privileges does not apply to
(i) accidents, alterations, negligence, misuse, wrong application or incorrect application which results in or contributes to product failure
(ii) products installed on racing, off-road, marine or unrelated motor vehicles.

Except as specifically set forth above, no other warranty, express or implied, is applicable to the products.
If warranty is requested, it must be requested within 30 days after the discovery of the damage and **SMART**'s Warranty Claim Form must accompany the request. The Smart produced part, with the original invoice from the retailer or installer from whom the product was purchased, must also accompany the Warranty Claim Form.
SMART's technical services department reserves the right to examine the engine or equipment to determine the amount of damage and/or weather the damage was the result of a defective Smart product.

For up to date version of our terms and condition please refer to our website.

Legal Notice:

All product names, brands and registered trademarks are property of their respective owners.
All company, product and service names used in this catalog are for identification purposes only.
"Use of these names,trademarks and brands does not imply endorsement".

All other trademarks cited herein are the property of their respective owners.
Please contact us for more information regarding trademarks.

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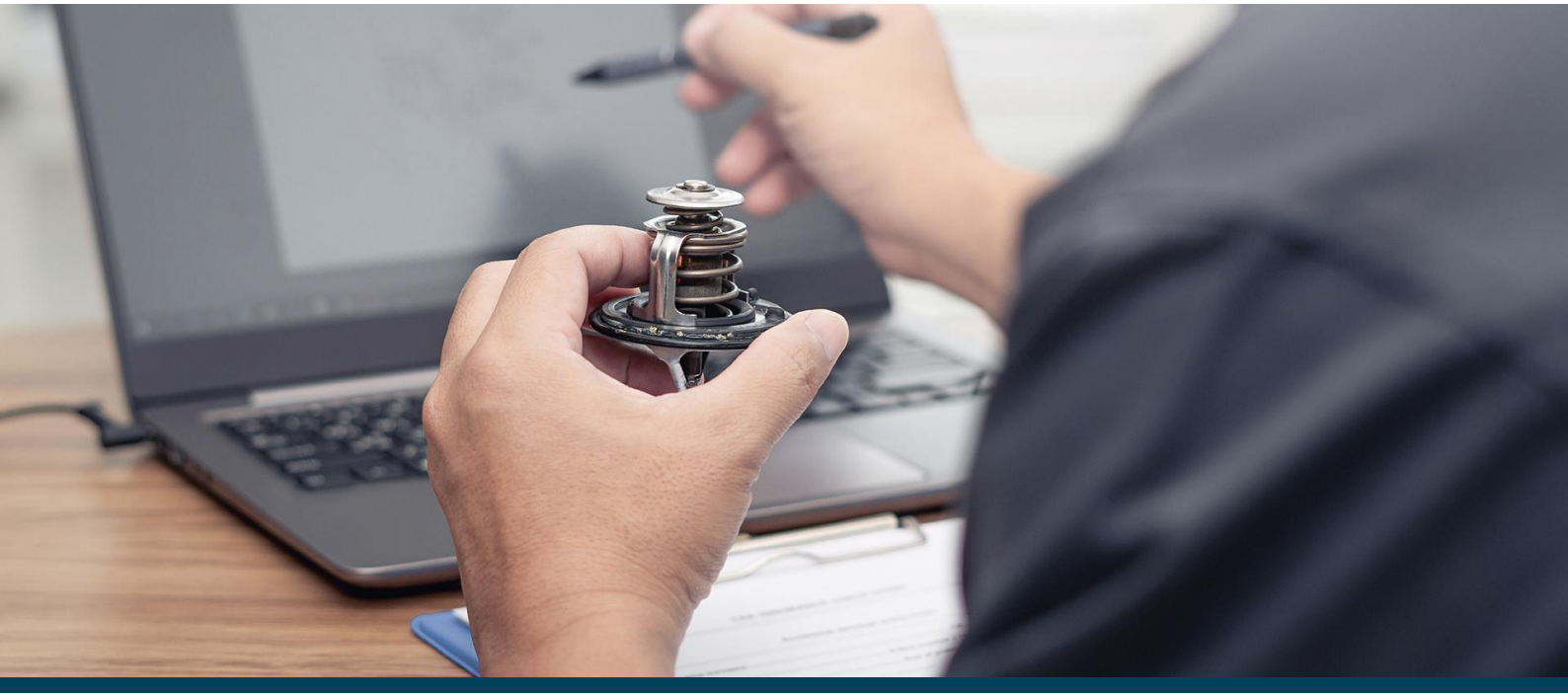
Every Care has been taken to ensure the accuracy of the information contained in this catalog but no liability can be accepted for any loss or damage wheter direct,indirect or consequential arising out of the use of the information contained herein.



THERE IS NO SUBSITUTE FOR QUALITY.

RIEN NE REMPLACA LA QUALITÉ.
NO HAY SUSTITUTO PARA LA CALIDAD.

Made with GRADE A+
In-House WAX Formula & Materials from Dupont, BASF, LG

Annual Production Capacity
5.000.000

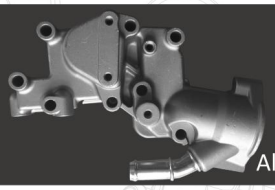
2 YEARS
GUARANTEE

ISO9001
IATF 16949

1500+
Thermostats & Assembly

5000+
Available OE Numbers

National
High-Tech Enterprise



PREMIUM
Service & Aftersales

Marine Thermostats

Motorcycle & ATV Thermostats

Industrial Vehicles & Truck Thermostats

FOCUS ON
OES
Europe & Americas

174
Employees

We are committed to maintaining the highest standards of excellence in all aspects of our operations.
With a focus on delivering exceptional quality and reliability, we have established partnerships with more than 25 leading original equipment supplier (OES) brands across the world.
At SMART, we are dedicated to providing our clients with innovative and effective solutions that meet their evolving needs.

THERMO SMART® 蒂那科·腾立

THERMOSMART

HANGZHOU SMART MFG. GROUP CO., LTD.

How to use our Catalog:

Our product catalog is designed to provide a comprehensive and accurate resource for identifying products.
Users may search for items using OEM numbers, manufacturer cross-reference numbers or other relevant identifiers.
Please note that the use of this catalog for determining product applications is done at the user's own risk.

To initiate a search, simply press Ctrl+F in Windows or Cmd+F in Mac OS. To simplify the search process, we have standardized all OE numbers, removing any special characters or symbols. This is to avoid any confusion caused by the differing numbering formats used by various OE manufacturers, which may include hyphens, forward slashes or blank spaces.

Example of OE Number Search :

OE Number		Search Term		Search Result
17570-74001	Remove (-) →	1757074001	→	Smart Nr. :1214
19301-P08-316	Remove (-) →	19301P08316	→	Smart Nr. :1286
1A51 15 171	Remove Space →	1A5115171	→	Smart Nr. :1336

Example of OE Cross Ref. Search :

For Cross Reference of other Thermostats Manufacturer, you may use each maker's format (without space) to search.

Cross Ref. Nr.		Search Term		Search Result
TM 12 105	Remove Space →	TM12105	→	Smart Nr. :1675
TE6496.105J	The Same →	TE6496.105J	→	Smart Nr. :1676
V30-99-0198	The Same →	V30-99-0198	→	Smart Nr. :1667

Decoding SMART Numbers:

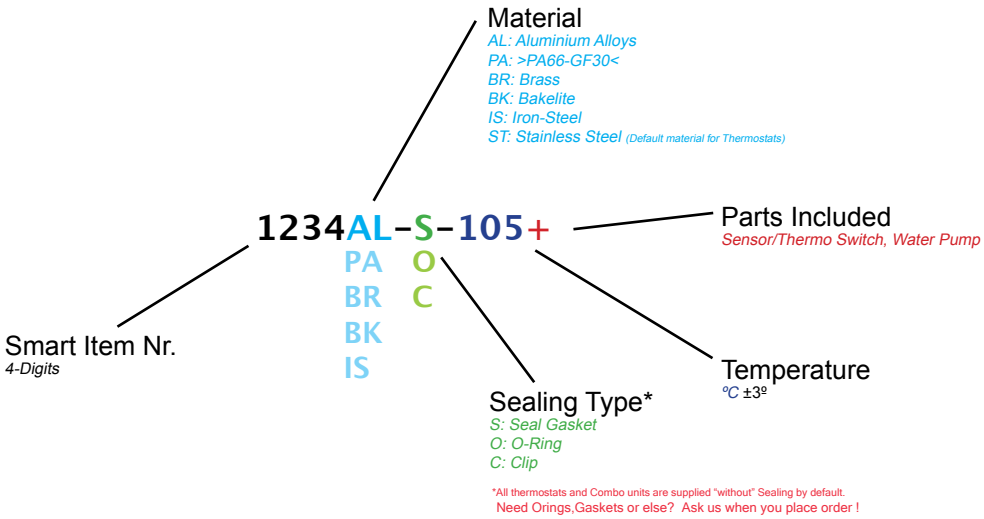


Fig. 5

Legend Tab:

US

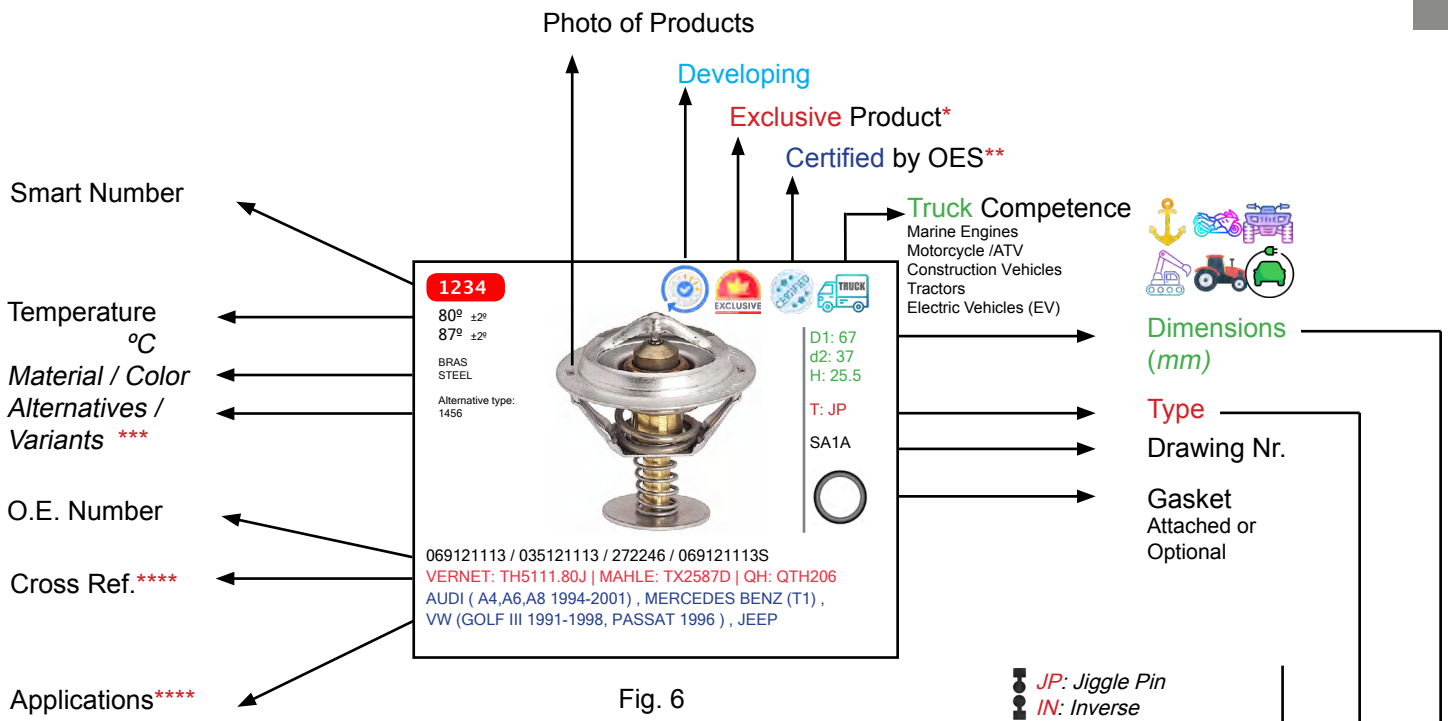
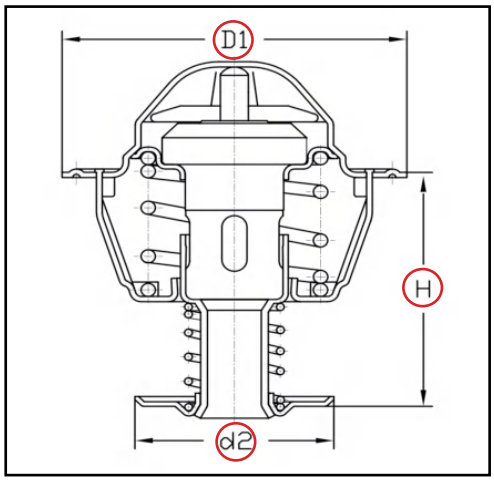


Fig. 6

JP: Jiggle Pin
IN: Inverse
VN: Vent Hole
CV: Check Valve
PR: Projection
MAP: Electronically Map Controlled
KIT: Repair Kits

Combo: Thermostat Assembly
TH: Housing
CF: Coolant Flange
CN: Connector, (Adapter,Coupling)
WP: Water Pump Assembly
WT: Water Tube (Pipes)
OC: Oil Cooler

ETM: Motorized Thermostat / ETM



Dimensions
(mm)

Fig. 7

* EXCLUSIVE: These items may not be sold to others in particular regions as they are manufactured exclusively for customers.
** CERTIFIED : These products have been approved and sold to leading Tier 1 or Tier 2 / OES brands in Europe and Americas.
*** ALTERNATIVES / VARIANTS: These products could either be identical or similar to the originals, featuring varying designs from different manufacturers.
**** BRANDS : All brands, company and product names & numbers cited here in this catalog as references are property of their respective owners.

TRUSTED BY
OVER 25 WORLDWIDE OES BRANDS

THERMOSTAT ILLUSTRATIONS BY MODEL NUMBER |
ILLUSTRATIONS DES THERMOSTATS PAR RÉFÉRENCE DU MODÈLE |
ILUSTRAÇÕES DE TERMOSTATOS POR NÚMERO DE MODELO |
MODEL NUMARASI İLE Termostat ÇİZİMLERİ
ILUSTRACIONES DE TERMOSTATOS POR NÚMERO DE MODELO |
THERMOSTAT ABBILDUNGEN NACH MODELLNUMMERN |
ТЕРМОСТАТЫ - ИЛЛЮСТРАЦИИ ПО НОМЕРУ МОДЕЛИ |
节温器 图示（按型号编号）|
モデル番号別のサーモスタット図

1000

80º ±2º
87º ±2º

D1:66.7
d2:35
H:24.5
T:
SA1A

069121113

VW, AUDI

1001

D1:65
d2:32
H:28.5
T:
SA1A2

1002

80º ±2º

D1:66.7
d2:37
H:24.5
T:
SA1A3

70809153, 6172001115, 0022038075, 269374, 0022037575, 0022038075, 6152001315, 6152001415, 6162000415, 6172000315, 6172000815, A6172001115, A6152001315, A6152001415, A6162000415, A0022037575, A0022038075, A6162000815, A6162001815, A6172000315, A6172000815, 276012, 0269374
MAHLE: TX2080 / TX2080D, VERNET: TH5111.80J,
DIESEL TECHNIC: 1880046
MERCEDES-BENZ, SCANIA

1003

80º ±2º

D1:66.7
d2:29
H:24.5
T:VH
SA1B

075121113D, 035121113

MAHLE: TX2580D

AUDI, CUPRA, SEAT, SKODA, VW (SHARAN I 2.8 00-10)

1004

87º ±2º

D1:66.7
d2:29
H:24.5
T:
SA1C

025121113, 025121113D, 025121113E, 025121113F

MAHLE: TX2487D, VERNET: TH6523.87, MOTORAD: 273-88,
WAHLER: 4155.87D, MEYLE: 0282870005, MTE: 226.80

VW , AUDI , CUPRA

1005

87º ±2º

D1:67.7
d2:29
H:26.3
T:
SA1D

VW , VOLVO

1006

Brass

D1:66.7
d2:29
H:25.5
T:JP
SA1E

1007

65º ±2º
71º ±2º
83º ±2º

*Alternative Types: 1055, 1057, 1060

D1:66.7
d2:43
H:25.5
T:
SA1F1

1102000915, 0022031675, 0032037375, 51064020006, 0042036575, 0052030475, 61673540, 04224846, 0002037075, 0012036975, 11531265086, 0012037975, 0022030475,0022030575,0255502, 0022033175, 0022033275, 0022034075, 0022034575,1265086, 0022034775, 51064020042, 51064020045, 51064020052
MAHLE: TX1883D / TX2371D, MOTORAD: 248-71,
VERNET: TH1513.71J,FEBI: 09671, VEMO: V30-99-0179
MERCEDES-BENZ, SCANIA, DAF, DEUTZ, IVECO, MAN, BMW

1008

D1:66.7
d2:35
H:24.5
T:
SA1F2

DAF , DEUTZ , MERCEDES-BENZ , SCANIA , VW , VOLVO.

1009

D1:66.7
d2:33
H:23
T:
SA1F3

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1010

D1:66.7
d2:29
H:35.5
T:IN
SA1F4

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1011

D1:66.7
d2:43
H:26.5
T:JP
SA1F5

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1012

D1:66.7
d2:33
H:24.5
T:IN
SA1F6

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1013

D1:66.7
d2:33
H:26.7
T:
SA1F7

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1014

D1:66.7
d2:28.7
H:35.5
T:
SA1F8

DAF, DEUTZ, MERCEDES-BENZ, SCANIA, VW, VOLVO.

1015

Brass

D1:74 4
d2:31
H:35

T:VN

SA1G

1016

Brass

D1:75
d2:35
H:36

T:JP

SA1G2

1017

* Without inner rubber sleeves

D1:66.7
d2:29
H:25.5

T:JP

SA1H

1018

D1:66.7
d2:29
H:25.5

T:

SA1H2

1019

D1:67.7
d2:46
H:23

T:

SA1i

(OLD Type)

1020

Brass

D1:67.7
d2:29
H:27.5

T:

SA1J

(OLD Type)

1021

D1:67.7
d2:37
H:25.5

T:

SA1J2

1022

D1:73
d2:36
H:31

T: JP

SA1K

1023

D1:73
d2:43
H:30

T:

SA1K2

1024

D1:66.7
d2:35
H:33.5

T:JP

SA1M

1025

D1:66.7
d2:33
H:37

T:IN

SA1N

1026

82º ±2º

D1:63.5
d2:29
H:41

T:IN

SA1O

21200BN300, 7701052705, 5952148, 9091603117 , 21200BN30A
MD174233, 21200BN301, 1305A285, 7701057805, 9091603094

VERNET: TH6583.82J

MITSUBISHI,NISSAN, RENAULT, SAAB, TOYOTA , LEXUS

1027

83º ±2º

D1:55
d2:29
H:36

T:

SA1O2

96095011, 133823, 96160901, 063337, 9616090180, 212151306015, 7700868274, 1767066G00, SU0010223, 1757086CA0, 2551129000 1767066G00000, SU00100223, 21215130601500, 7701038494, 138823
MAHLE: TX6783D, VERNET: TH5130.83J, FACET: 7.8323S, GATES: TH12283G2, MOTORAD: 546-82, VALEO: 245137
PEUGEOT,CITROEN, FIAT, HYUNDAI, KIA , LADA, TOYOTA, RENAULT, SUZUKI, FSO, LANCIA

1028

83º ±2 º

* Without inner rubber sleeves

*Alternative Type 1030

D1:55
d2:
H:23

T:

SA1O3

133839, 3502809, 1338007

VERNET: TH4885 83J

PEUGEOT,CITROEN, FIAT, LANCIA

1029

82º ±2º

D1:56
d2:28
H:43

T:IN

SA1O4

1608167380, 16081673, 6000611040 , 212002W201, 212002W202
2120057J15, 9091603084, 9091603107, MD178746
VERNET: TH6295.82J
CITROEN, PEUGEOT, HYUNDAI, NISSAN, TOYOTA, MITSUBISHI

1030

83º ±2º

*With inner rubber sleevs

*Alternative Type: 1028

D1:55
d2:
H:23

T:

SA1O5

133839, 9616090280, 9616090290

VERNET: TH4885.83J

PEUGEOT,CITROEN, FIAT, LANCIA

1031

82º ±2º

D1:54
d2:35
H:40

T:

SA1O6

1032

75º ±2º
80º ±2º
87º ±2º

D1:83.7
d2:43
H:32

T:IN

SA1P

1033

80º ±2º

D1:68
d2:28.5
H:26

T:

ST3W

7700697157, 133764, 133768, 133814, 133820, 133825, 96159513 9609023080, 3470390, 93501386, 96080220, 96101599,133818, 7700665226, 7700858087, 7700862200, T0697157, 88EF8575AA, 93501145, 1612191, 6182480, 83EF8575AA, ERT142
MAHLE: TX7580D
PEUGEOT, CITROEN, FORD, VOLVO, RENAULT,JEEP, TALBOT

1034

D1:66.7
d2:28 8
H:36

T:VH

SA1R

1035

D1:70
d2:
H:23

T: JP

SA1S

1036

D1:75
d2:36
H:24.5

T:

SA1T

1037

D1:66.6
d2:35
H:25

T:

SA2A

1038

71º ±2º
80º ±2º
87º ±2º
88º ±2º
92º ±2º

D1:66.6
d2:35
H:25.5

T:

SA2B

11531733803, 11531712043, 11537511083, 11531743528, 11531743542, 11537733803, 11232241628, 11531468057, 11532241628, 1468057, 1712043, 1733803, 1743528, 1743542, 2241628, 2241630, 7511083
MAHLE: TX2892D, VERNET: TH6243.92J, FACET: 7.8302S, FAE: 5302692, GATES: TH14392G1, WAHLER: 4236.92D
BMW

1039

D1:66.6
d2:35
H:25.5

T:

SA2B2

1040

80º ±2º

D1:66.6
d2:35
H:25.5

T:CV

SA2B3

1032249, 1018799, 0052032975, 95510611300, 022121113, A0052032975,1224808,3M218488AA, 95VW8488AA, 95VW8575BA
MAHLE: TX3080D
FORD, MERCEDES-BENZ, PORSCHE, VW, AUDI, SKODA, SEAT

1041

71º ±2º
75º ±2º
79º ±2º
80º ±2º
83º ±2º
87º ±2º

D1:66.6
d2:42.9
H:25.5

T:

SA2C

1102000515,1002000715, 4778975, 7072643, 91153670,RTC4942, 1338466, 98424854, 5000785355, 04778975, V94DD8575AA, 9715360, 98420718, 4738169, 503474271, 503474882, 98433497, RTC6673, 0012039075, 12039075, 22033775, 0022030275, 0022033575, 0022033775, 0022033875, 0022034675, 22033875, 6022033575, EBC3621, JLM322
MAHLE: TX1879D, VERNET: TH1476.87J, GATES: TH13480G1, MOTORAD: 248-79J & 248-87J, WAHLER: 4078.79D
CHRYSLER, FORD, DEUTZ, MERCEDES-BENZ, GM (GMC),OPEL,JAGUAR

1042

79º ±2º
83º ±2º

D1:66.6
d2:42.9
H:25.5

T:VH

SA2C2

1043

79º ±2º

D1:66.6
d2:29
H:25.5

T:

SA2D

1044

80º+ 87º ±2º
65º ±2º
75º ±2º
83º ±2º
88º ±2º
Housing: 2430, 2433

D1:122.5
d2:43
H:25.5

T: VN

SA2E

1404924, 1358995

MAHLE: TX3383D, VERNET: TH7106.83J, WAHLER: 4223.83D, DT: 1.11205, FEBI: 21548, LASO: 85201502

SCANIA (TRUCK, P, G, R, T SERIES, 4 SERIES)

1045

D1:66.6
d2:29
H:25.5

T:JP

SA2F

1046

80º ±2º

D1: 67
d2:
H: 27

T:

SA2B4

07K121113B

MAHLE: TX12580

VW, AUDI, CUPRA

1047

EXCLUSIVE

D1:
d2:
H:

T:

SD31B

USE FOR MOTORCYCLE

1048

87º ±2º

D1:
d2:43
H:33

T:Combo

SA4A

1112000315, 1112030375, A1112030315, A1112030375
MAHLE: TI2287, VERNET: TH6247.87J, GATES: TH34187G1,
MALO: TER147, MEYLE: 0282870014, MOTORAD: 352-88,
QH:QTH425.
DAEWOO, MERCEDES-BENZ, SSANGYONG, GM (CHEVROLET)

1049

87º ±2º
92º ±2º

D1:66.7
d2:35
H:25.5

T:

SA5A

078121113C, 078121113D, 078121113F, 078121113J, AJ82697
11531713040, 11531710953, 272240, 079121111J, 07V121113A,
077121113B, , 077121113, 11231265085, 11531710954, 1710953,
1710954, 1713040, 78EF8575A2A
MAHLE: TX3087D / TX2780D/ TX3487D , MOTORAD:304-88
AUDI, BMW, VAG, VW, SKODA, FORD

1050

D1:66.7
d2:43
H:25.5

T:

SA5A2

1051

92º ±2º

D1:66.7
d2:35
H:25.5

T:CV

SA5B

078121113G, 078121113H

MAHLE: TX3092D

VW, VAG, AUDI, SKODA, SEAT, CUPRA

1052

80º ±2º
85º ±2º

D1:66.7
d2:41.5
H:25

T:CV

SA5C

6012000115, 0032039875, 6062030175, 6032000015, 6022000015
6062000475, 6052030075 , 0042030975, 42030975, 6012000115S
MAHLE: TX2980D, VERNET: TH5699.80J, GATES: TH12680G1,
MOTORAD: 251-79, WAHLER: 4176.80D, FENOX: TS163
MERCEDES-BENZ, SSANGYOUNG, DAEWOO

1053

D1:66.7
d2:41.5
H:25

T:JP

SA5C2

1054

85º ±2º

D1:64.7
d2:35
H:27.5

T:

SA5D

MERCEDES-BENZ

1055

CERTIFIED TRUCK

65º ±2º
71º ±2º
75º ±2º
79º ±2º
83º ±2º
87º ±2º

*Alternative Types:
1007, 1057, 1060

D1:66.7
d2:43
H:25.5

T:

SA5E

A1102000515

MAHLE: TX1887D

MERCEDES-BENZ, BMW, DEUTZ,JAGUAR,
DAEWOO,SSANGYONG

1056

80º ±2º
87º ±2º

D1:66.7
d2:37
H:25.5

T:

SA6A

211487312, 035121113A, 035121113B, 2722460,
272246, 3273728, 11531721003, 069121113A

MAHLE: TX2587D

VAG, VOLVO, BMW, VW

1057

TRUCK

65º ±2º
75º ±2º
79º ±2º
83º ±2º
87º ±2º

*Alternative Types:
1007, 1055, 1060

D1:66 7
d2:43
H:25.5

T:

SA6B2

0022037675, 0032036975

MERCEDES-BENZ, JAGUAR, BMW, DEUTZ, DAEWOO,
SSANGYONG

1058

D1:
d2:
H:

T:

SC14B

1059

80º ±2º

D1:
d2:
H:

T: KIT

SC36A

1060

87º ±2º

*Alternative Types:
1007, 1055, 1057

D1:66.7
d2:43
H:25.5

T:

SA6C

1022001515

DAEWOO, MERCEDES-BENZ, BMW, SSANGYOUNG, DEUTZ, JAGUAR.

1061

D1:66.7
d2:37
H:25.5

T:

SA6D

DAEWOO, MERCEDES-BENZ, SSANGYOUNG
DEUTZ,RENAULT, JAGUAR.

1062

D1:66.7
d2:43
H:25.5

T:

SA6E

DAEWOO, MERCEDES-BENZ, SSANGYOUNG,
DEUTZ,RENAULT, JAGUAR.

1063

D1:66.7
d2:43
H:25.5

T:

SA7A

1064

71º ±2º

D1:
d2:
H:

T:

SA5C3

1065

D1:66.7
d2:35
H:26.5

T:

SA7C

1066

71º ±2º
87º ±2º

D1:
d2:43
H:33

T: Combo

SA8A

1112030875, 1112000915, 00A121113, 1612033775, 1612033375
1112000415, 1112000815, 1112030275, 1112030575,
A1112030575, A1112000915, A1112000415, A1112000815,
A1112030275
MAHLE: TI2187, VERNET: TH6285.87J, DT: 4.68172,
GATES:TH1987G1, MOTORAD: 351-88, WAHLER: 4275.87D
MERCEDES-BENZ, VW, GM (CHEVROLET), SSANGYONG, AUDI, DAEWOO

1067

82º ±2º

D1:68.5
d2:43
H:30

T:

SA9A

4936026

DONGFENG CUMMINS, DONGFENG 153 TIANLONG

1068

89º ±2º

D1:64.5
d2:43
H:45

T:VH

SA11A

F6TZ8575EA, RT1201

FORD (F-550 SUPER DUTY 7.3L V8 99-03)

1069

78º ±2º

D1:73
d2:43
H:30

T:JP

SA1K3

1070

Brass

D1:
d2:
H:

T:KIT

SA13A

1071

82º ±2º
84º ±2º
87º ±2º
92º ±2º

D1:54
d2:35
H:31.5

T:

SB1A

1338024, 1338046, 030121113, 068121113, 9L9652, 9N5020,
9N5065, 4N6959, 9N5121, 9L9119, 1028392, 9N5488, 4N6958,
81TF8575CA, 6113611, 94410612905, 94410601900
VERNET: TH1439.80J
CATERPILLAR, FORD, OPEL, PORSCHE, VAUXHALL,
WV (GOLF III 1.4T 93-99)

1072

60º ±2º
79º ±2º

*Combo version:
2494

D1:54
d2:35
H:31.5

T:JP

SB1A2

1073

88º ±2º
Brass

D1:46
d2:
H:23

T:

SB1B

047121110

SKODA

1074

D1:54
d2:35
H:29

T:JP

SB1C

1075

D1:54
d2:
H:23

T:

SB1D

1076

83º ±2º

D1:54
d2:29
H:31.5

T:

SB1E

133753

PEUGEOT, CITROEN, NISSAN

1077

D1:46
d2:30
H:22

T:

SB1F

1078

D1:54
d2:29
H:34

T:

SB2A

1079

D1:54
d2:29
H:31.5

T:

SB2B

1080

D1:54
d2:29
H:31.5

T:JP

SB2C

3830977,273953,1544297

VOLVO

1081

82º ±2º
89º ±2º

D1:54
d2:29
H:34

T:JP

SB2D

30577561, 6129739

PEUGEOT, CITROEN, SAAB

1082

D1:54
d2:35
H:31

T:JP

SB2E

1083

D1:56
d2:35
H:29

T:

SB2F

FORD

1084

D1:54
d2:
H:23

T:JP

SB3A

1085

82º ±2º

D1:54
d2:
H:23

T:

SB3B

1338008

OPEL

1086

D1:54
d2:
H:23

T:

SB3C

1087

75º ±2º

D1:57
d2:
H:23

T:JP

SB4A

133775

PEUGEOT 405,CITROEN

1088

75º ±2º
78º ±2º

D1:55.1
d2:
H:23

T:

SB5A

133766, 5430115, 133711, 133713, 6058784, 133725, ERT106, ERT35, 133759
VERNET: TH1503.78, GATES: TH22375 & TH22375G1, MOTO RAD:238-77, QH: QTH140 & QTH140K, WAHLER: 3053.78
PEUGEOT,CITROEN, FORD

1089

77º ±2º
80º ±2º
88º ±2º

D1:60
d2:
H:23

T:JP

SB6A

114095090, 113095090

VERNET: TH4608.88J, WAHLER: 3032.88
FACET: 78461S, DELPHI: TMS1284, VALEO: 819927

SKODA (FAVORIT, FELICIA, FORMAN)

1090

75º ±2º
82º ±2º
Brass
Steel
Iron Steel

D1:53.5
d2:
H:23
T:
SB5B

133837, 141575, 33446162, 133730, 7910016560, 9617178080, 7701348372, 3473479, 9604915680, 8200125655, 3343567,000 3343567, 343567, 7690014319, 133737, 133883, 7910011101, 7910014390
MAHLE: TX8882D, VERNET: TH5108.83J, FACET: 7 8240S, GATES:TH00182G3, MOTORAD: 276-82,QH: QTH332 & 332K
PEUGEOT (405),CITROEN, FIAT, ROVER, VOLVO, RENAULT.

1091

89º ±2º

D1:
d2:
H:
T: KIT
SC37A

1092

83º ±2º

D1:
d2:
H:
T: KIT
SC38A

1093

50º ±2º

D1:
d2:
H:
T:PR
SC5H

1094

50º ±2º

D1:
d2:
H:
T: Combo
SC5HX

CM5G8575HA,CM5Z8575D, 1877090, CM5G8575HB, 2152998 CM5G8575GA, 1762999

VERNET: TH7334.50J

FORD (FOCUS III 1.0 2012)

1095

50º ±2º

D1:
d2:
H:
T:Combo
SC5H2

CA6G8575DB, CA6G8575DA, CA6G8575CA, 1780508, 1932006 2227681

MAHLE: TI24650 , VERNET: TH7335.50J

FORD (FIESTA)

1096

88º ±2º
89º ±2º
* Alternative Type: 1131

D1:50
d2:
H:23
T:
SB7C

8200772985, 7700872554, 7700872635, 4408334, 93198345 4434460, 91159950, 2120000QAA, 2120000Q0B, 7700272554

VERNET: TH6047.89J

RENAULT, DACIA, OPEL, VAUXHALL, NISSAN

1097

D1:55
d2:
H:23
T:
SB7D

1098

Brass

D1:56
d2:30
H:36.7
T:
SB8A

1099

Steel
Brass

D1:63
d2:40.5
H:43
T:JP
SB9A

107130601004

LADA

1100

82º ±2º

D1:54
d2:
H:23
T:
SB7D2

1101

D1:56
d2:25.5
H:41.5
T:
SB10A

TC1071306100

MASTER-SPORT: 0024-S-PCS-MS

VOLGA

1102

TRUCK

83º ±2º
86º ±2º

D1:42.5
d2:33
H:25.5
H2: 37
T:
SB11A

7701348376, 522328, 225070, 79NU8575B, 7700575874, 3211840
VERNET: TH4495.83, GATES: TH01483, MOTORAD: 345-82, QH: QTH114 & QTH114K, VALEO: 819922, WAHLER: 3029.83
DAF, FORD, RENAULT, VOLVO

1103

TRUCK

91º ±2º

D1:50
d2:40
H:25.4
T:
SB11B

7700858802, 7700742617, 6001543366

VERNET: TH5284.91J, GATES: TH23491G1, MAHELE: TH6691D, MOTORAD: 346-88 & 346-91, QH: QTH276 & QTH276K

RENAULT, DACIA, RENAULT TRUCKS

1104

Brass

D1:54
d2:29
H:25.5
T:JP
SB12A

1105

Brass

D1:54
d2:29
H:28.5

T:JP

SB12B

1106

Brass

D1:54
d2:
H:18.5

T:JP

SB12D

1107

82º ±2º

*Alternative
Type : 1790

D1:54
d2:29
H:34

T:JP

SB13A

2485613

MAXION TRACTOR, PERKINS (236, 248, 354 DIESEL),
MASSEY FERGUSON (375, 3050 DIESEL)

1108

82º ±2º

* Alternative
Type: 1794

D1:54
d2:
H:19

T:JP

SB13B

2485666

PERKINS

1109

82º ±2º
74º ±2º

* Without inner
rubber sleeves

D1:54
d2:29
H:25.5

T:JP

SB13C

5088099

FIAT TRACTOR (450, 466, 480, 500, 540, 550, 566, 580, 600, 640)

1110

82º ±2º

* With inner
rubber sleeves

D1:54
d2:29
H:25.5

T:JP

SB13C2

5088099

FIAT TRACTOR 180F

1111

D1:54
d2:29
H:35

T:

SB13D

1112

D1:43.5
d2:29
H:34

T:

SB14A

1113

Brass

* The front cover is
not a perfect circle
and has bumps
(front: 53.7+2)

D1:53.7
d2:29
H:31

T:JP

SB15A

1114

87º ±2º

* Singel
thermostat:
1717

D1:32.2
d2:
H:

T: MAP

SC5GX

1662030275, 1662030075, 1662030175, A1662030175,
A1662030275, A1662030075
MAHLE: TI1287, VERNET: TH6514.87J, GATES: TH39487G1,
MOTORAD: 599-87, WAHLER: V30-99-0113, VALEO: 820491
MERCEDES-BENZ

1115

80º ±2º
87º ±2º

D1:32.2
d2:
H:

T: MAP

SC5G2

2662030675, 2662030475, 2662030275, A2662030475,
A2662030275, A2662030675
MAHLE: TH1480, VERNET: TH6991.87J, GATES: TH38387G1,
MOTORAD: QTH767K, WAHLER: 411577.80D, FEBI: 37181
MERCEDES-BENZ

1116

80º ±2º

D1:
d2:
H:

T:

SC5G3

1117

D1:
d2:
H:

T: KIT

SB16A

1118

D1:54
d2:35.5
H:32

T:

SB17A

4121306010

FENOX: TS00307, MASTER-SPORT: 412-S-PCS-MS

MOSKVICH

1119

D1:56
d2:34
H:33

T:

SB18A

1120

D1:56
d2:32
H:36.5

T:

SB18B

1121

82º ±2º

D1:56
d2:33
H:37.5

T:

SB18C

7649055, 4409254, 4351196, 4220309, 0004409254, 0004351196
FACET: 7.8251S, GATES: TH13182G1, HELLA: 8MT354774-061, MOTORAD: 593-82, MTE: 210.82,
FIAT, ZASTAVA, LANCIA, FERRARI

1122

D1:48
d2:
H:23.3

T:

SB19A

1123

D1:54
d2:35
H:31.5

T:

SB20A

1124

D1:54
d2:
H:23

T:

SB20B

1125

D1:54
d2:
H:23

T:JP

SB20C

1126

88º ±2º

*Alternative
Type:1789

D1:52
d2:33
H:40

T:VH

SB21A

ERR3291, ERR3291A, 0052033075

MERCEDES-BENZ, LAND ROVER (DEFENDER 90 4.0L 1997, 2.5L TD 90-01), PERKINS

1127

D1:52
d2:35
H:34

T:

SB22A

1128

D1:43.5
d2:29
H:35

T:

SB23A

1129

87º ±2º

D1:43.5
d2:30
H:41.5

T:

SB23B

1A02173012

KUBOTA (V2203, V2403, V2003, D1503, D1703, D1803)

1130

D1:54
d2:33
H:28 5

T:

SB24A

1131

89º ±2º

* Alternative
Type: 1096

D1:50
d2:
H:23

T:

SB25A

8200772985, 7700872554, 7700872635, 4408334, 93198345 4434460, 91159950, 2120000QAA, 2120000Q0B

VERNET: TH6047.89J

RENAULT, DACIA, OPEL, VAUXHALL, NISSAN

1132

D1:
d2:
H:

T: KIT

SB26A

1133

71º ±2º
79º ±2º
87º ±2º
92º ±2º

* Alternative
dimension: 1249

D1:48
d2:
H:23

T:

SB27A

1338052, 3038094, 04892107AA,04892107AB, 04792699AA, 4792160AB, 04792160, 4792160, 4792898AD, 04792160AB, 04792898AD, 4892107AB, 68027789AA, 1338870, 90200836
VERNET: TH4898.92J
GM (CHEVROLET), CHRYSLER, OPEL, VAUXHALL

1134

83º ±2º

D1:
d2:
H:

T: KIT

SB28A

1135

83º ±2º
89º ±2º
PA66
Aluminum

D1:
d2:
H:
T: Combo
SB28AX

8200400554,8200558758,8200954288,1106100Q0D, 1769084A00
1106100QAM,1106100Q1F,1769084A51,1769084A52,176904A11
8200039885, 8200171021, 8200244023, 8200244402, 8200374994
MAHLE: TI21583
DACIA, NISSAN, RENAULT, SUZUKI

1136

89º ±2º
PA66
Aluminum

D1:
d2:
H:
T: Combo
SB28B

7700110716, 8200660882, 1106100Q0M, 1106100QAE, 1336T9
MAHLE: TI4189, VERNET: TH6126 89J, QH: QTH490K,
GATES: TH26489G1, MOTORAD: 433-89, MTE: 371 89
PEUGEOT, CITROEN, DACIA, NISSAN, RENAULT,INFINITI

1137

83º ±2º

D1:
d2:
H:
T: KIT
SB28C

1138

83º ±2º
89º ±2º
*2 Pins
*4 Pins

D1:
d2:
H:
T: Combo
SB28D

8200558751,8200400553,1106000QAJ,1106000Q0B, 1106000QA
110605536R,110603026R,1106000Q0S,8200954328,1106000Q0K
1106000Q0M,1106000Q0P,1106000QG,110602309R,8200248531,
8200267349,1106000Q0T,1106000Q0M,1106000Q0N,8200558779
1106000Q0P,8200954289
MAHLE: TI24783, VERNET: TH6703.83J
NISSAN, RENAULT, DACIA, SUZUKI

1139

D1:
d2:
H:
T: Core
SB28E

1140

87º ±2º

D1:
d2:
H:
T: Combo
SB29A

7581200, 7581635, 758201, 7581636, 0007581201, 0007581635,
0007581200
MAHLE: TI6487D, VERNET: TH6598.87J, FACET: 7.8163,
GATES: TH12087G1, MOTORAD: 285-87, QH: QTH338
FIAT (TIPO), ALFA ROMEO, LANCIA, INNOCENTI, FERRARI

1141

87º ±2º

D1:
d2:
H:
T: Combo
SB30A

7589135, 7545958, 5459580, 75813190, 0000007545958,
46807285, 5459580, 75813190, 7789135
MAHLE: TI6887D, VEMO: V24-99-0019, VALEO: 819938
FIAT (PALIO 178BX 1.2 2001), AUTOBIANCHI, LANCIA

1142

D1:
d2:
H:
T: KIT
SB30B

1143

D1:
d2:
H:
T:
SD32C

Under development

1144

D1:
d2:
H:
T: KIT
SB31A

1145

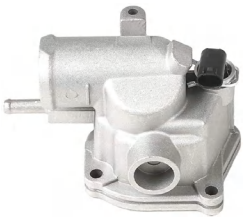
87º ±2º
92º ±2º

D1:
d2:
H:
T: MAP
SB31A2

6112000515, 6112000315, 6112030875, 6112031175, 6112031375
6112000415, A6112000315, A6112030875, A6112031175,
A6112031375
VALEO: 820800, VEMO: V30-99-0115
MERCEDES-BENZ

1146

87º ±2º



D1:
d2:
H:
T: MAP
SB31A3

6112000715, 6112030475, A6112030475, K05080146AA ,
05080146AA, 6112031575, A6462001215, 6112000215,
5080146AA, 5080146AB
VALEO: 820589 , VEMO: V30-99-0100, VERNET: TH6847.87J
MERCEDES-BENZ, CHRYSLER, JEEP

1147

87º ±2º

D1:
d2:
H:
T: MAP
SB31A4

MERCEDES-BENZ

1148

87º ±2º

D1:
d2:
H:
T: MAP
SB31A5

6122000015, 6122030275, A6122000015, A6122030275

VALEO: 820835, VEMO: V30-99-2267

MERCEDES-BENZ

1149

92º ±2º

D1:
d2:
H:
T: MAP
SB31A6

6462001115, 6462000015, 6462030075, 6462030275,
64620000715, 64620000915, A64620000915, A64620000715
A6462030075, A6462030275
VALEO: 820571 , VERNET: TH6847.92J
MERCEDES-BENZ

1150

87º ±2º
107º ±2º
*Aluminum
*Alternative Type: 2134

D1:
d2:
H:
T: MAP
SB31A7

6112030275, 6112000015, 6112030075, A6112000015 A6112030075, A6112030275

MAHLE: TH987, VEMO: V30-99-0101

MERCEDES-BENZ

1151

92º ±2º
*Aluminum

D1:34
d2:22
H:30
T: Combo
SB32A

1338096, 95517654, 12992692, 90570620, 1338423, 6338028

MAHLE: TI22492 & TI462, VERNET: TH6251.92J, FACET: 7.8653, GATES: TH33892G1, MOTORAD: 436-92, WAHLER: 4459.92D

GM (GMC), OPEL (ASTRA J 1.4), VAUXHALL

1152

D1:
d2:
H:
T:CF
SD25B

1153

75º ±2º
83º ±2º
89º ±2º
PA66
Aluminum
BAKELITE
*Inseparable
*Separable version: 1788

D1:32
d2:36
H:20
T: Combo
SB33A2

1336N5, 1336Q1, 9630066780

MAHLE: TI4789, VALEO: 820434, WAHLER: 3463.89D

PEUGEOT (1007,206,206+,306,307), CITROEN, FIAT

1154

86º ±2º
89º ±2º
PA66
Aluminum
BAKELITE
* Inseparable

D1:
d2:
H:
T: Combo
SB33B2

1336Q2, 1336N1, 9648542680, 96O48542680

MAHLE: TI18189, VALEO: 820430, QH: QTH489K

PEUGEOT , CITROEN, FIAT, LANCIA

1155

89º ±2º
PA66
BAKALITE
*Inseparable
*Separable version1173

D1:32
d2:25
H:44
T: Combo
SB33C

1338A0, 9630066680, 9675707780, 96300666

MAHLE: TX18279, VALEO: 820431, VERNET: TH6332.89J, QH: QTH502K, FACET: 78423

PEUGEOT , CITROEN , LANCIA

1156

D1:
d2:
H:
T:
SC8F3

1157

D1:
d2:
H:
T:
SC8F4

1158

D1:
d2:
H:
T:
SC8F5

1159

103º ±2º

D1:32
d2:44.5
H:36.5
T: MAP
SB33D

1336Z2, 9650926280

MAHLE: TM32103, VERNET: TH6808.103J, GATES:TH386103G1, MOTORAD: 573-103, VEMO: V22-99-0010, VALEO: 820977

CITROEN, PEUGEOT, FIAT

1160

103º ±2º

D1:
d2:
H:
T: MAP
SB33E

1306010A02AA

CHANGAN (CS75)

1161

82º ±2º

D1:
d2:
H:
T: Combo
SB34A

4133L507, 2542267

CATERPILLAR(VIBRATORY COMPACTOR, ASPHALT PAVER, WHEEL-Type LOADER,EXCAVATOR,, BACKHOE LOADER)
PERKINS (1103A-33, 1103A-33T, 1103B-33, 1103B-33T, 1103C-33)

1162

82º ±2º

D1:
d2:
H:
T: Combo
SB34B

4133L509,

PERKINS (1104D-44 1104D-44T 1104D-44TA 1104C-44 1104C-44T 1104C-E44T 1104C-44TA 1104C-E44TA)

1163

82º ±2º

D1:
d2:
H:
T: Combo
SB34C

4133L508

PERKINS(1103C-33 1103D-33T 1104A-44 1104C-44 1104C-E44 1104D-44 1104D-44T 1104D-44TA)

1164

87º ±2º

D1:
d2:
H:
T: Combo
SB35A

46523118 , 46737644

MAHLE: TI12287D

FIAT, LANCIA, AUTOBIANCHI

1165

D1:
d2:
H:

T: KIT

SB36A

1166

82º ±2º

D1:41 5
d2: 39
H:

T:

SB37A

1167

D1:
d2:
H:

T: KIT

SB38A

1168

88º ±2º

D1:
d2:
H:

T: KIT

SB39A

1169

D1:
d2:
H:

T: KIT

SB39A2

1170

83º ±2º

D1:
d2:
H:

T: KIT

SB43A

1171

D1:54
d2:
H:24

T:

SB40A

1172

89º ±2º

D1:49.5
d2:25
H:44

T:

SB50A

PEUGEOT, CITROEN.

1173

89º ±2º
PA66
Aluminum

Separable

*Inseparable version: 1155

D1:32
d2:25
H:44

T: Combo

SB50AX

1338A0, 9630066680

VALEO: 820431, VERNET: TH6332.89J, QH: QTH502K, FACET: 7.8423

PEUGEOT, CITROEN, LANCIA

1174

88º ±2º

D1:52
d2:35
H:32

T:JP

SB51A

928M8575AE

FORD, MAZDA

1175

D1:52
d2:
H:23

T:

SB52A

KOBELCO (SK250, SK250-8)

1176

D1:52
d2:
H:23

T:JP

SB52B

1177

D1:52
d2:29
H:40.5

T:

SB53A

1178

D1:48
d2:29
H:32.5

T:JP

SB54A

1179

D1:
d2:
H:

T:

S

1180

89º ±2º

D1:54
d2:29
H:34

T:JP

SB55A2

1181

88º ±2º

D1:52
d2:28
H:34

T:JP

SB56A

1338F5

PEUGEOT, CITROEN

1182

D1:56
d2:28
H:42

T:

SB57A

1183

D1:52
d2:28
H:41.5

T:IN

SB58A

1184

D1:52
d2:29
H:32.5

T:JP

SB59A

1185

88º ±2º

D1:54
d2:28
H: 34

T:JP

SJ1

255002E000.

MAHLE: TX20688D

HYUNDAI, KIA.

1186

D1:52
d2:35
H:34

T:

SB60A

1187

D1:52
d2:35
H:34

T:JP

SB60A2

1188

88º ±2º

*Single thermostat: 1379

D1:
d2:
H:

T: Combo

SB74AX

11141688, 1C108A558AA, 1C1Q8A568AB

BIRTH: 8941, ORIGINAL IMPERIUM: 90058, FARE SA: 9899,
JP GROUP: 1514500300, METALCAUCHO: 03808, STC: T403808

FORD

1189

88º ±2º

D1:
d2:
H:

T: Combo

SB74B

8C1Q8A586AA, 6C1Q8A586BD, 1432394

BSG: BSG30-126-003, TRICLO: 468885, MALO: TER388

FORD

1190

88º ±2º

D1:
d2:
H:

T: Combo

SB74C

9P28A586AA

FORD

1191

88º ±2º

D1:
d2:
H:

T: Combo

SB74D

6C1Q8A586AC,1336Z3, 9659248080, 1372334

FORD (TRANSIT 2006)

1192

88º ±2º

D1:
d2:
H:

T: Combo

SB74E

T403810, 1125144, 1126704, XS7Q8A586AD, XS7Q8A586AE

METALCAUCHO: 03810, STC: T403810

FORD

1193

88º ±2º

D1:
d2:
H:

T: Combo

SB74F

2S7Q8594BB, 2S7Q8A586AC, 1633900, 1358107, 1148326

MALO: TER413, STC: T403811, TRICLO: 468952,
BORG: BBT407, FIRST LINE: FTK407, METALCAUCHO: 03811

FORD

1194

88º ±2º

D1:
d2:
H:

T: Combo

SB74G

1358105, 1120640, 1C1Q8A586AC, 1129747, 1C1Q8A586AB
1C1Q8A586AA
MALO: TER386, TRICLO: 468829, CAUTEX: 955392,
STC: T403706, FARE SA: 11610,
FORD

1195

88º ±2º
92º ±2º

D1:48
d2:
H:18.5
T:
SC1A

052121113A, 85HF8575AA, 74HF8575BA ,1059953, 96143533, 1338042, 1338047, 90108546, 036121113A

MAHLE: TX588D / TX192D

VW, FORD, GM (CHEVROLET, VAUXHALL), OPEL

1196

91º ±2º
92º ±2º
Brass

D1:48
d2:
H:19.5
T:
SC2A

036121113B, 036121113C, 1509953, 1571879, 6100629, 6100630

VERNET: TH1410.92J

AUDI, VW, FORD

1197

82º ±2º

D1:46
d2:
H:19.5
T:
SC2B

1198

82º ±2º
Brass
Steel

D1:52
d2:
H:22.5
T:JP
SC3A

1199

82º ±2º

D1:44
d2:
H:22.5
eccentric
T:JP
SC3B

1200

82º ±2º
Brass

D1:44
d2:
H:22.5
eccentric
T:JP
SC3B2

1760082810, 2550002550, 1634187206000, 6554000601, 8BA115171, 2120005B00, 1760082860, 1760085811

MAHLE: TX9082D

GM (CHEVROLET), SUZUKI, FIAT, HYUNDAI, NISSAN, MAZDA

1201

95º ±2º

D1:44
d2:
H:22.5
eccentric
T:VH
SC3B3

55111017AD, K55111017AC, K68003583AA, 68003583AA, 55111017AB, 55111017AA, 55111017AC

VERNET: TH7310.77J, MOPAR: 55111017AD

ALFA ROMEO, CHRYSLER, DODGE, FIAT, JEEP

1202

D1:
d2:
H:
T:
SC3B4

1203

82º ±2º
Brass

D1:46
d2:
H:20
T:
SC4A

1204

82º ±2º

D1:48
d2:
H:20
T:
SC4B

4801306020

CHERY

1205

82º ±2º

D1:44
d2:
H:20
T:IN
SC4C

24521479, 9025192

OPEL

1206

82º ±2º

D1:
d2:
H:
T: Combo
SC4CX

9046588, 12599085

GM (CHEVROLET NEW SAIL 1.4L 2010)

1207

82º ±2º

D1:
d2:
H:
T: Combo
SC4C2

1208

82º ±2º
*With 1872 Housing

D1:
d2:
H:
T: Combo
SC4C3

96317980

BIRTH: 8056, ORIGINAL IMPERIUM: 90082

DAEWOO (MATIZ), GM (CHEVROLET), OPEL

1209

D1:48
d2:28
H:33.5
T:
SC4D