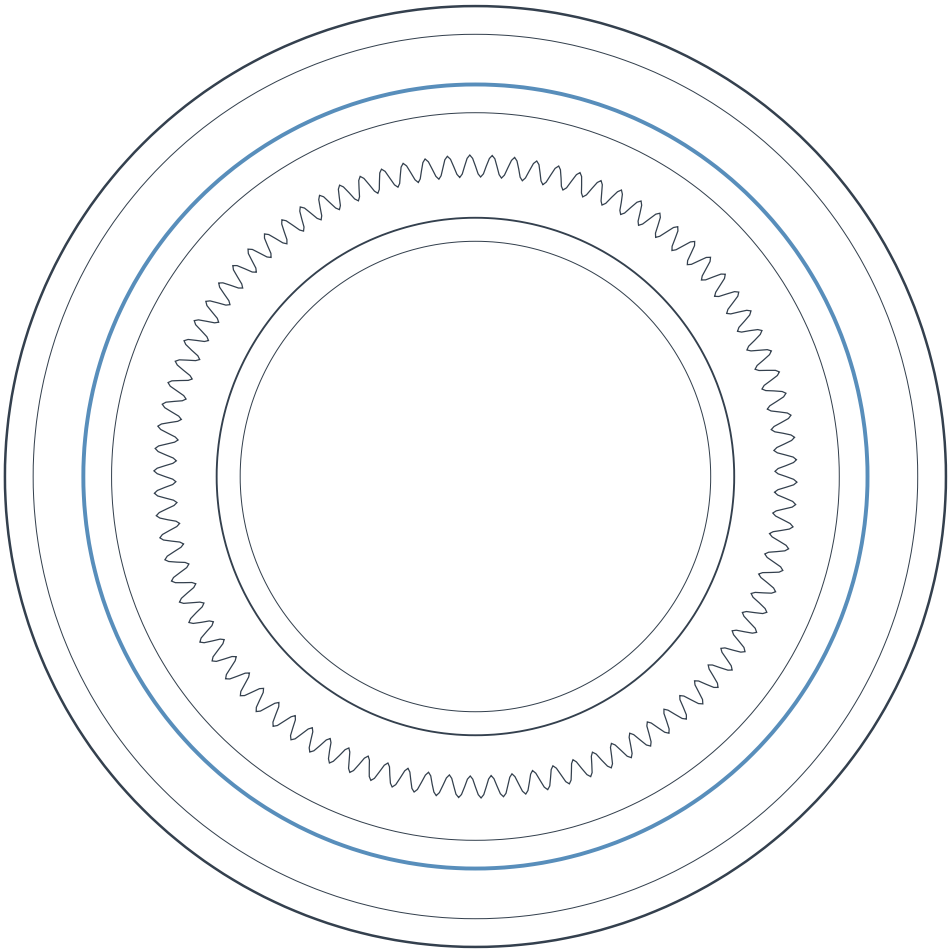


TCS

Oil Seals Catalog 2024

کاتالوگ کاسه نمد TCS

استعلام قیمت و خرید کاسه نمد TCS ←

BRAND برند	ORIGIN کشور سازنده	PRODUCTS محصولات	PAGES تعداد صفحات	LANGUAGE زبان
TCS	Taiwan	Oil seals	24	English

moharekcharkhesh.com
MoharekCharkhesh@proton.me

تأمین‌کننده تخصصی بلبرینگ و رولبرینگ
تهران، خیابان امیرکبیر، کوچه ناظم‌الاطبا شمالی، پاساژ تهران، طبقه سوم، پلاک ۱۴۲

021 3399 8121
021 3399 8100
0912 464 6470

CHENG MAO
PRECISION SEALING CO., LTD.





Insist on Excellence
Create Customer Value

Company Profile

DESIGN – PROBLEM SHOTTING – VALIDATION – PRODUCTION



TCS Oil Seal, CHENG MAO PRECISION SEALING CO., LTD. Founded in 2007 in Nantou City, Taiwan. TCS is a leading oil seal supplier/manufacturer with more than 40 years experiences in advanced oil seals, professional with high quality elements and experiences in the areas of oil seals, packing, U-cups, gaskets, rubber parts and o-rings. With certification of IATF 16949 and ISO 9001, TCS is capable of producing sealing products from design, researching, tooling development, testing, and trial mold to finish products independently.

Our professional in-house tooling design, product development and quality control ensure the sealing performance and reduce the cost. In addition to the standard types, please feel free to contact us, we are glad to provide a total sealing solution for you!



TCS serves our clients over 40 countries from OEM, ODM, and aftermarket to non-standard sealing designs and seal manufacturer. We offer variety ranges of high quality sealing products to fulfill different applications.

Certifications

TCS Seals is IATF 16949 / ISO 9001 certified.
Our organizational structure is well-positioned to growth.
We value quality, technical support, and services.

Research Technology

For Production

Automatic CNC Lathes
Rubber Compound Kneaders
Rubber Cutters /Rubber Extruders
Rubber Low Temperature Storage
Sanding Machines /Bonding Machines
Rubber Compression Molding Machines
Injection Molding Machines
Trimming Machines
Automatic Spring Loading Machines
Automatic Greasing Machines
Automatic Optical Sorting Machines
Laser Engraving Machines

For Material Research

Moving Die Rheometer
Tensile Tester
Specific Gravity Tester
Carbon Black Dispersion Tester
Fourier Transform Infrared Spectroscopy
Rubber Hardness Tester (Shore A)
Salt Spray Tester
Moony Viscosity Tester
Low Temperature TR10 Tester
Low Temperature Brittleness Tester
Mechanical Convection Oven
Rockwell Hardness Tester
Damping Tester
Compression Set Tester

For Design and R&D

Steering Seal Tester
Radial Load Tester

For QC

Automatic Optical Inspection, AOI
Automatic Image Measuring Instrument
Micro-Vu
Electronic Tensile Testing Machine
Surface Roughness Measuring Instrument



CNC



Materials Laboratory



Steering Seal Tester



Seal Dynamic Tester



Sample Parameter Setup

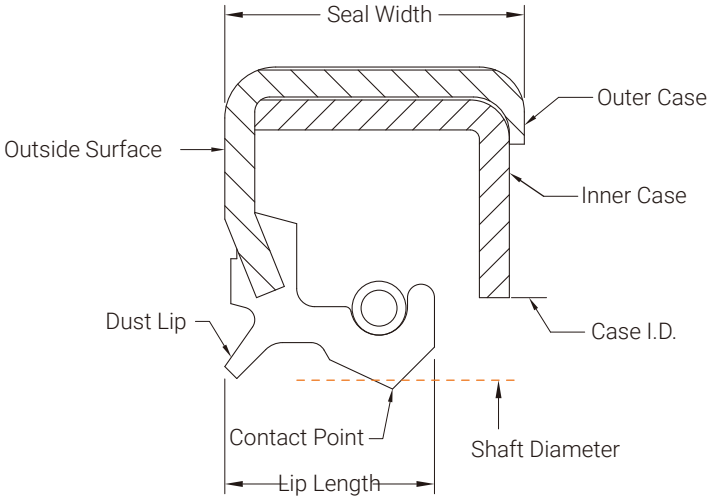


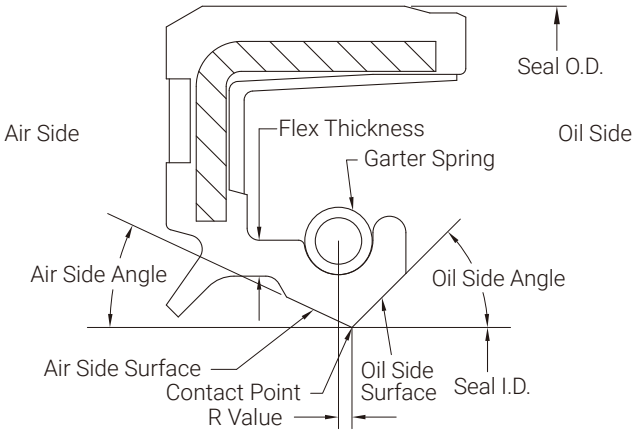
Rheometer



Rubber Hardness Tester

Oil Seal Characteristic

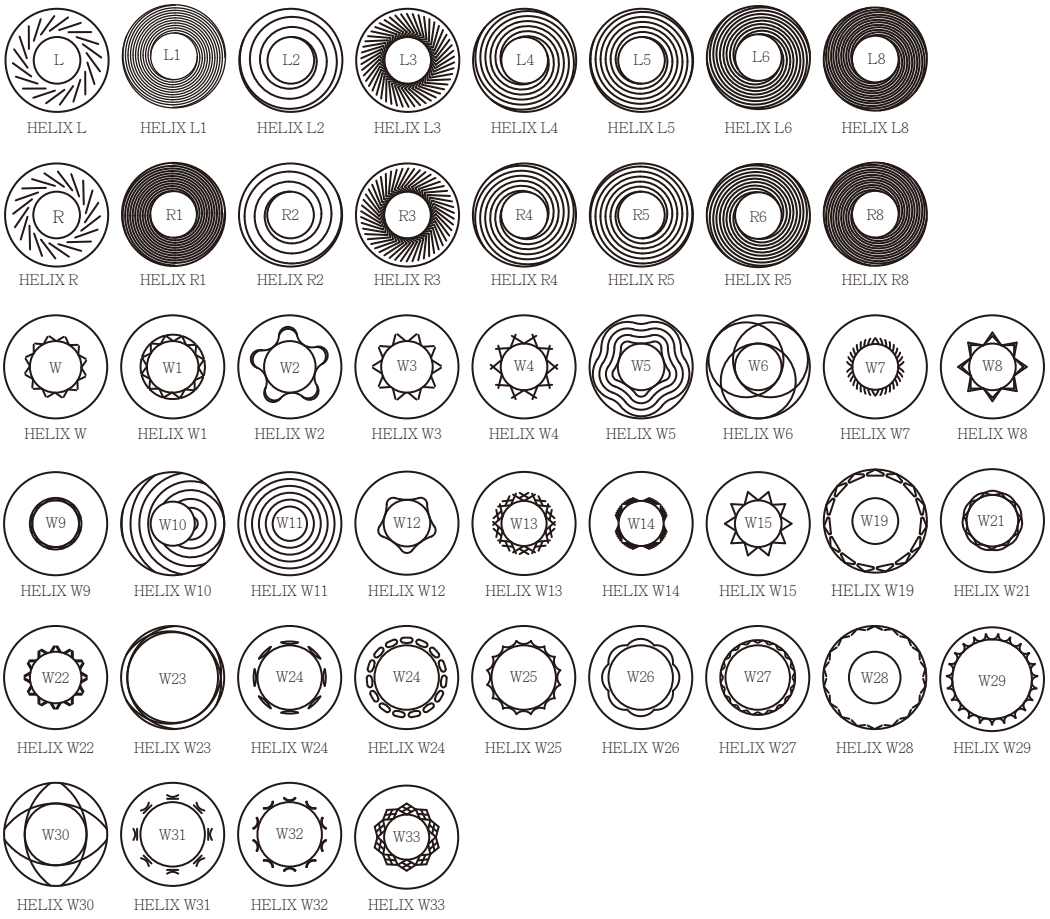




Hydrodynamic Features - Helix Designs

The helix can improve the performance of sealing lip by pushing the medium back into the fluid reservoir.

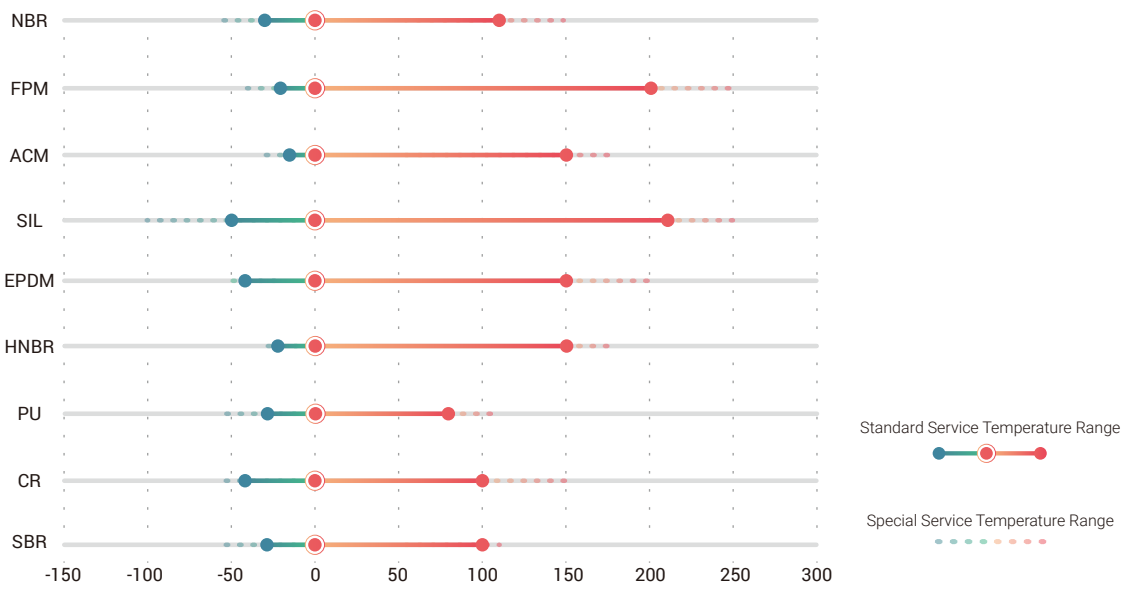
The helix applies to all rotary seals. There are three types available: Bi-directional (W Type) ,Counter clockwise (R Type) and Clockwise (L Type) :



Rubber Specifications

	NBR	FPM	ACM	SIL	EPDM	HNBR	PU	CR	SBR
Tensile Strength	●	●	▼	▼	△	◎	◎	●	△
Elongation	●	▼	▼	◎	●	■	◎	●	△
Rebound Resistance	●	△	△	△	●	■	◎	◎	△
Tear Resistance	●	△	▼	▼	△	●	◎	●	△
Abrasion Resistance	◎	△	△	▼	●	◎	◎	●	●
Impact Strength Resistance	●	△	▼	▼	●	◎	◎	◎	■
Gas Impermeability Resistance	●	●	△	▼	△	■	●	●	■
Ozone Resistance	▼	◎	●	◎	◎	■	●	●	▼
Weathering Resistance	△	◎	●	◎	◎	■	●	●	▼
Flame Resistance	▼	◎	●	◎	◎	■	●	●	△
Heat Resistance	△	◎	●	◎	◎	●	△	●	●
Low Temperature Resistance	△	●	▼	◎	●	■	●	△	■
Oil and Fuel Resistance	●	◎	●	△	▼	●	●	■	▼
Animal and Vegetable Oil Resistance	◎	◎	◎	■	●	●	●	●	▼
Alcohol Resistance	●	●	●	●	■	■	■	◎	●
Alkaline Resistance	●	■	▼	▼	●	■	▼	◎	●
Acid Resistance	●	●	△	△	●	■	▼	●	●
Aliphatic-solvent Resistance									
· Aliphatic	◎	◎	◎	▼	▼	●	●	●	◎
· Aromatic	■	◎	△	▼	▼	■	▼	△	■
Oxygenated-Solvent Resistance	▼	▼	▼	△	◎	▼	▼	▼	▼
Water Resistance	●	●	▼	●	◎	■	△	●	●
Sodium Resistance	■	■	▼	■	■	■	■	●	■

◎ Excellent ● Good ■ Suitable △ Limited ▼ Poor



For Automotive

Zero Defect Policy Automotive Seals

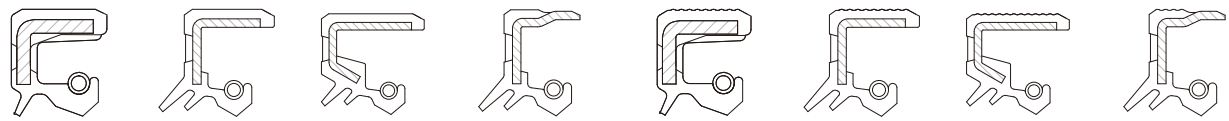
To obtain in highly competitive innovation, technology and economic solutions to automotive industry.
TCS OIL SEAL owing its ISO 9001 and IATF 16949 certifications to build up eco-friendly working environment and manufacturer, which provides our global automotive customer to improve better solution on sealing systems. PPAP, ISIR, IMDS, PSW documents available by on-site lab.





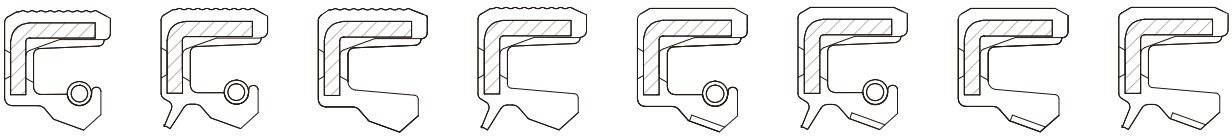
EV Seals

In order to obtain the rapidly changed market for electric vehicles, the function of EV seal requires high improvement than gasoline vehicle seals. Electric vehicle engines run around 15000RPM to 16000RPM, faster than gasoline-powered vehicles.
In the electrical vehicle shaft, the electric motor and gearbox are in the same area. The gearbox is lubricated for high efficiency; however, the motor is kept dry. Therefore, we provide more precision oil seals to meet these requirements.
TCS material lab provides suitable material (ACM, AEM, FKM, PTFE, etc.) as per customer needs; we can also customize the products to achieve sealing effect.



TC TC2 TEC2 TBC12 TG TG2 TEG2 TBG12

High Speed Rotary Shaft Seals



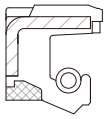
SG TG VG KG SC-PL TC-PL VC-PL KC-PL

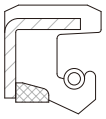
For Automotive

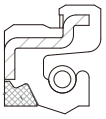
Power Steering Oil Seals

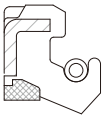
The "Power Steering Oil Seal" is used in the power steering system of automobiles. Its function is to prevent dust, sand, and water from entering the steering system, keep gears lubricated, and ensure the normal operation of the power steering system.

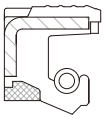
- Inner diameter back-up ring design to enhance the pressure resistance of the oil seal.
- Helix design on lip is designed to return the oil to the oil side, prevent oil leakage, reduce friction and temperature rise.
- Operation methods include rotary and reciprocating, which function to prevent pressure loss and ensure the normal operation of the power steering system.
- Material: NBR/HNBR

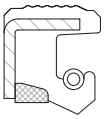

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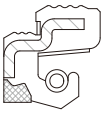

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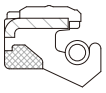

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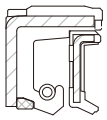

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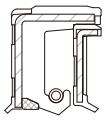

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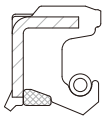

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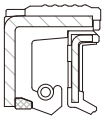

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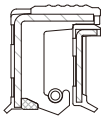

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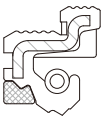

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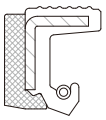

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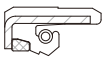

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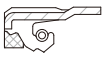

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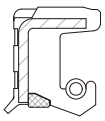

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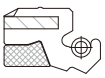

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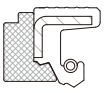

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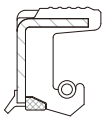

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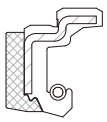

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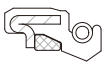

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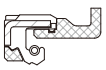

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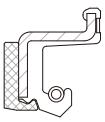

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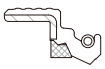

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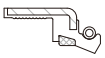

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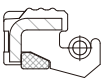

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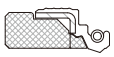

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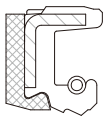

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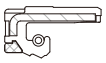

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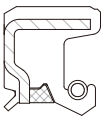

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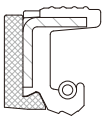

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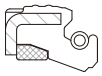

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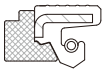

CNB19


CNB20


GNB17


GNB18


GNB19


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CNB23

CNB24

GNB26

CNB25

CNB26

CNB27

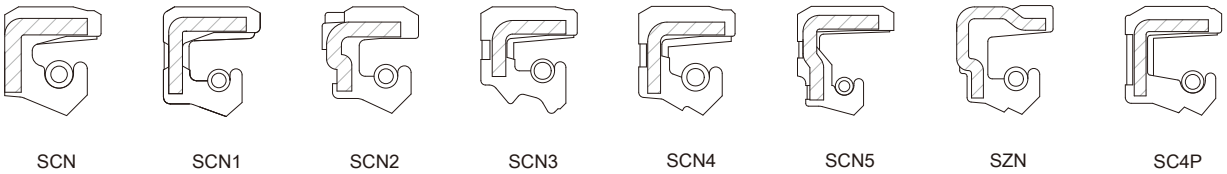
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For Automotive

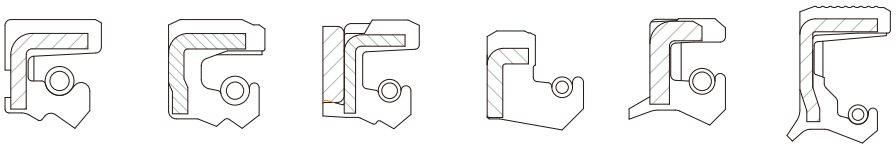
Power Steering Oil Seals

The "Power Steering Oil Seal" is used in the power steering system of automobiles. Its function is to prevent dust, sand, and water from entering the steering system, keep gears lubricated, and ensure the normal operation of the power steering system.

- Inner diameter back-up ring design to enhance the pressure resistance of the oil seal.
- Helix design on lip is designed to return the oil to the oil side, prevent oil leakage, reduce friction and temperature rise.
- Operation methods include rotary and reciprocating, which function to prevent pressure loss and ensure the normal operation of the power steering system.
- Material: NBR/HNBR



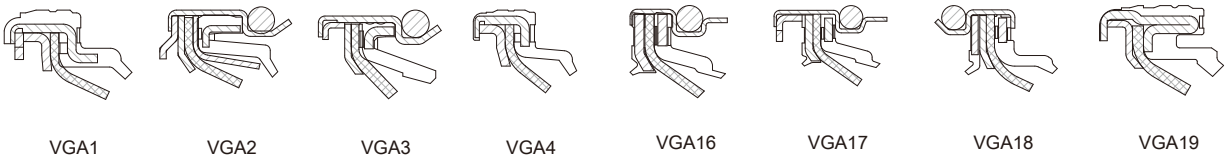
SCN SCN1 SCN2 SCN3 SCN4 SCN5 SZN SC4P



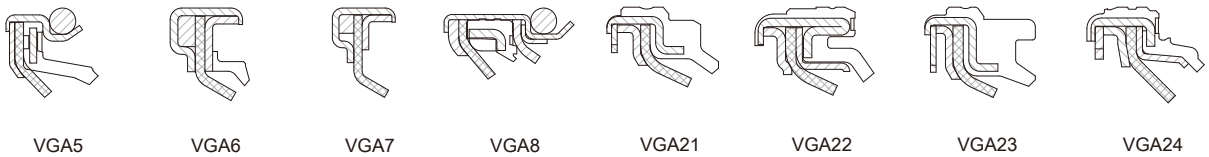
SC4P1 SC4P2 SC4P3 SCN2P TCN8 TGN3

A/C Compressor Seals

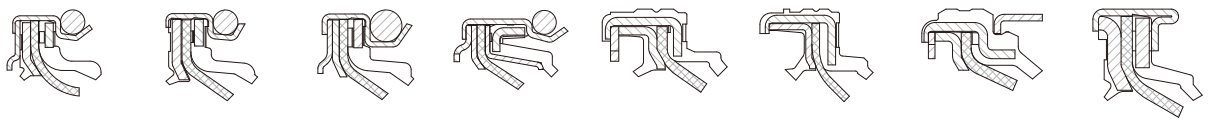
Air-conditioning compressor is an important part in the air conditioning system, automotive air-conditioning compressor seal is adhered by steel, susceptive high-temperature HNBR rubber and high-performance PTFE, which is preventing the leakage of oils and infiltration of dust.



VGA1 VGA2 VGA3 VGA4 VGA16 VGA17 VGA18 VGA19



VGA5 VGA6 VGA7 VGA8 VGA21 VGA22 VGA23 VGA24

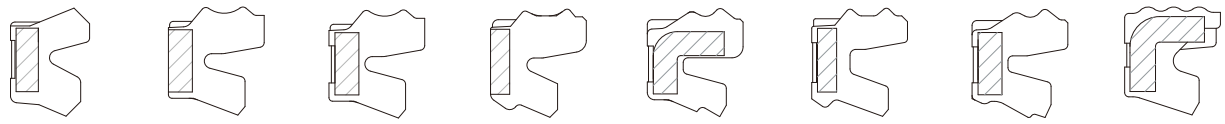


VGA9 VGA10 VGA11 VGA13 VGA25 VGA26 VGA27 VGA28

For Automotive

Gas Spring Seals

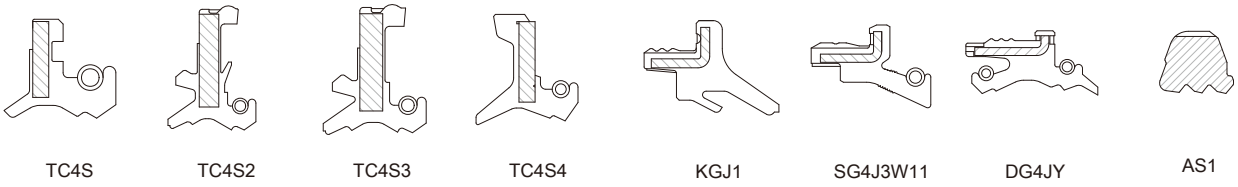
The Gas Spring Seal (spring oil seal) acts an extremely important role in Gas Spring equipment. A qualified seal is tested by 400 thousand times of operation test and high pressure environment test to achieve the high quality standard.



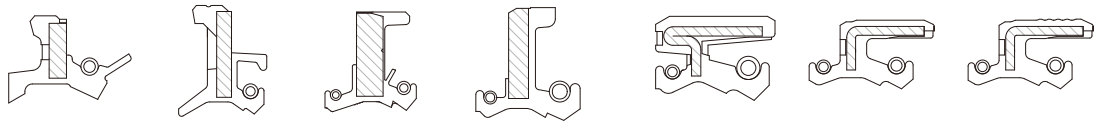
PVC1 PVG1 PVG2 PVG3 PVG4 PVG5 PVG6 PVG7

Shock Absorber Oil Seals

Shock Absorber seals are applied between the rod and tube, including motorcycles, cars, trucks and other vehicles. The main function of the reciprocation is preventing gas from leakage and external contaminants from entering successfully.



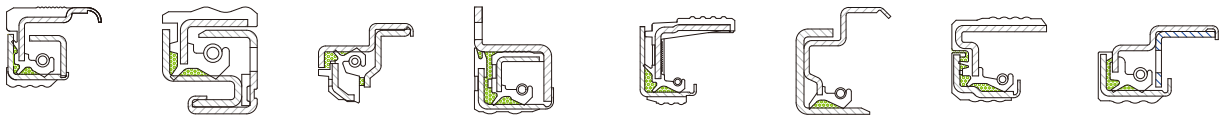
TC4S TC4S2 TC4S3 TC4S4 KGJ1 SG4J3W11 DG4JY AS1



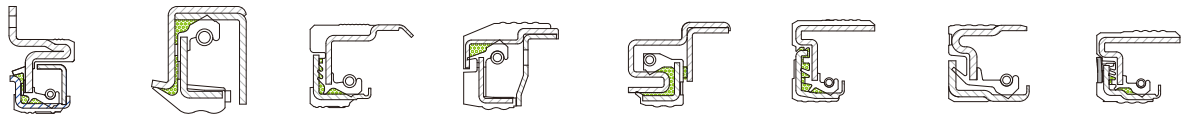
TC4S5 TC4S6 DC4S DBC4 DC4 DC41 DG41

Heavy Duty Wheel Seals

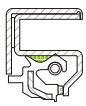
The Heavy Duty Wheel Seals (ST design) are primarily used in heavy-duty vehicles such as trucks and buses. Compared to rotary shaft seals, its special internal lubrication design, and multiple lip designs effectively prevent contamination and grease leakage from the outside. It also prevents the infiltration of mud, water, and sediment, significantly enhancing operational stability and reliability.



ST1 ST2 ST4 ST5 ST14 ST16 ST28 ST31



ST8 ST9 ST12 ST13 ST42 ST47 ST50 ST53

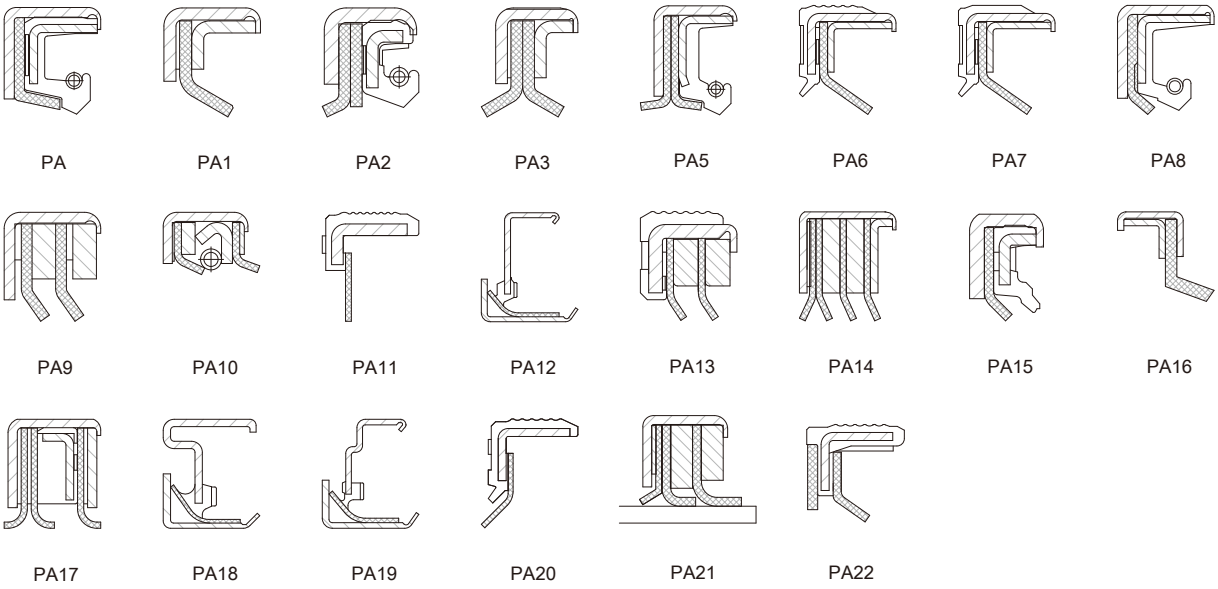


ST54

For Automotive

PTFE Teflon Seals

TEFLON, which is the chemical, names "polytetrafluoroethylene (PTFE)". It has excellent chemical stability, corrosion resistance, sealing and good oxidation endurance. It can be used in long-term operation at a temperature -180 ℃ to 250 ℃.

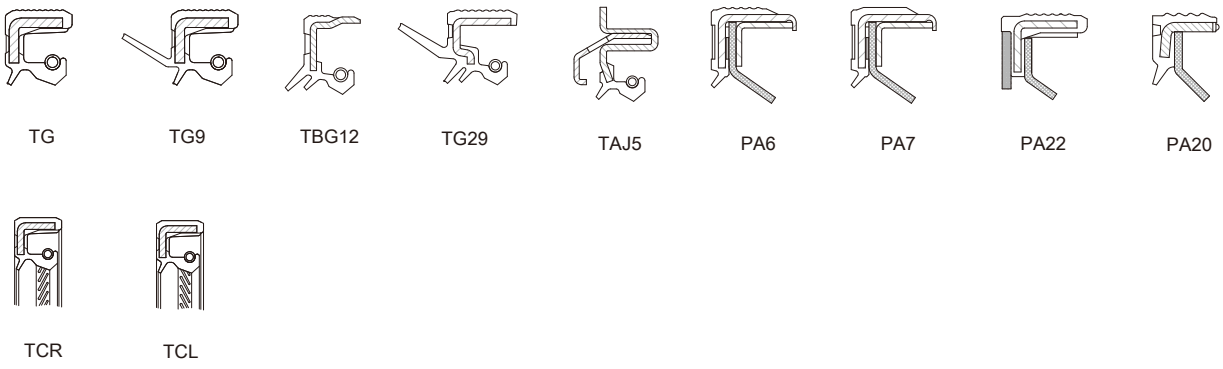


Transmission /Gear Box /Crankshaft and Camshaft Oil Seals

Transmission Oil Seals are designed of dynamic applications; it can reduce the friction efficiently, easy for assembling, have good performance and long life in high temperature application, and suit for high rotational speed environment.

Gearbox Oil Seals are designed of static applications to act as a plug or barrier and reducing the risk of corrosion, it can prevent the dust on air side, higher roughness of the surface finish is allowed, and common applications include sealing in the gearbox as an end cap. The temperature range is depending on the material.

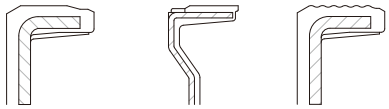
Camshaft and crankshaft oil seal, which is designed as TC type with helix design on the lip, it can increase the sealing performance of the lip seal and produce oil return characteristics to prevent oil from spilling. Helix design is divided into three: two-way, left-handed and right-handed. The lip of Camshaft and crankshaft oil seal is increased L (Helix-Left) and right-handed (Helix-Right), with rotary way to use the seal.



For Automotive

End Cap Seals

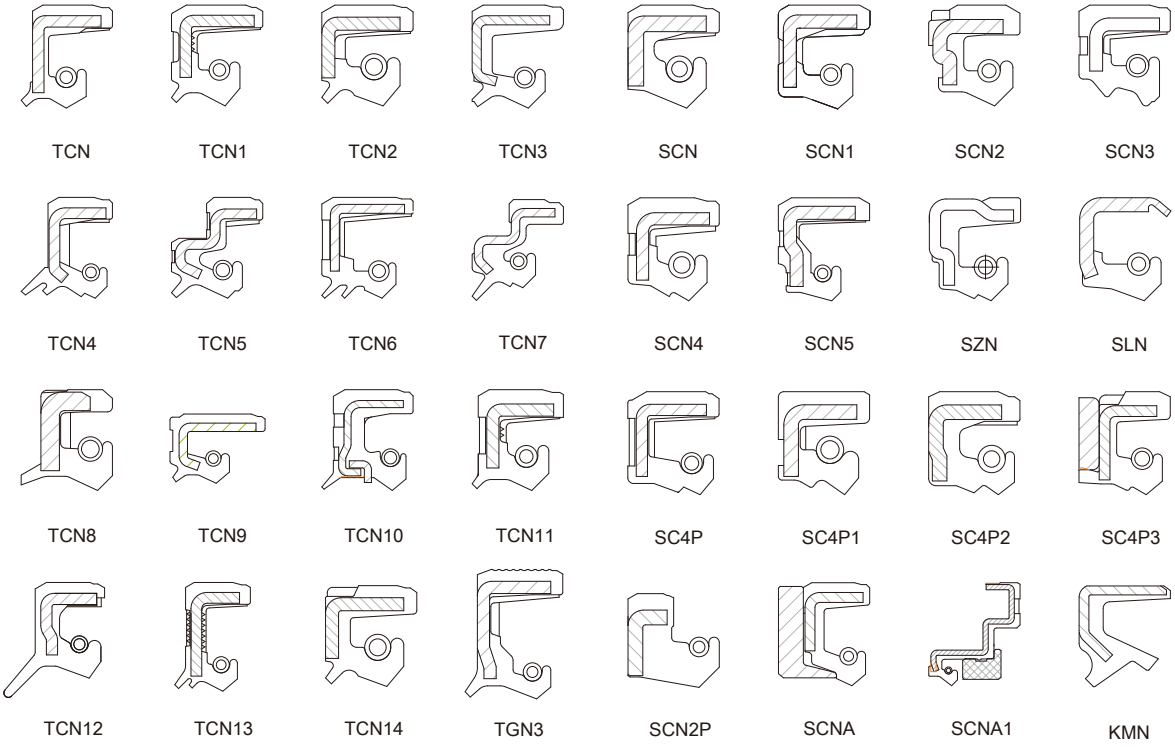
"End Caps" are most used in gear units and gear box, the outer diameter is covered with whole rubber to prevent oil spills, dust and dirt. Be used in static way, the whole rubber design in outer diameter to achieve the seal and the effect of dust.



EC EC3 EG

High Pressure Oil Seals

High pressure and combined seal, based on TDN or TDN1 design.



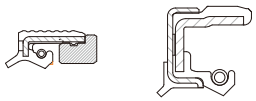
TCN TCN1 TCN2 TCN3 SCN SCN1 SCN2 SCN3

TCN4 TCN5 TCN6 TCN7 SCN4 SCN5 SZN SLN

TCN8 TCN9 TCN10 TCN11 SC4P SC4P1 SC4P2 SC4P3

TCN12 TCN13 TCN14 TGN3 SCN2P SCNA SCNA1 KMN

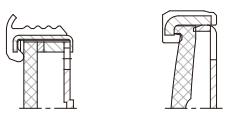
TLN TLN1 TZN TZN2 TDN TDN1 TDN2 TDN3



TGNA1 TBCAN

Oil Gauge Seals

The function of Oil Gauge Seals is similar as EC seals. It is used in static way. The common function is used in air compressor seals to observe the oil pressure.

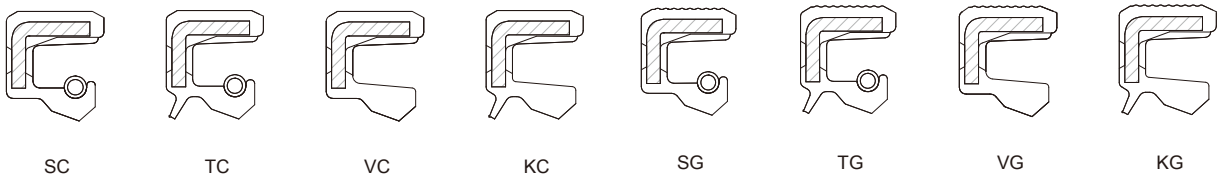


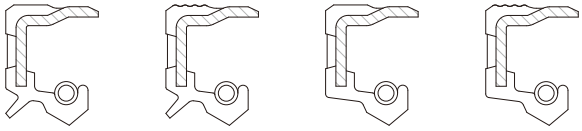
EGA ECA4

For Automotive

eMobility Motor Seals

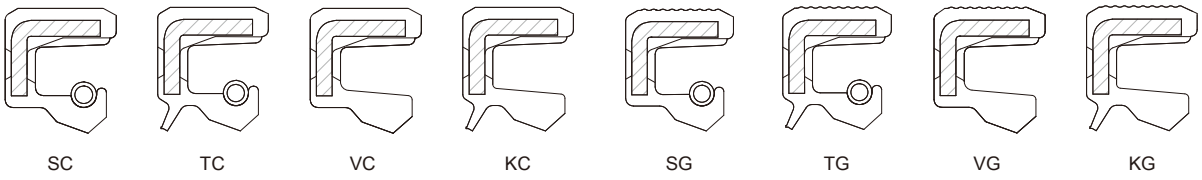
Motor Seals are used in motors, with the external rubber whole-covering design to ensure the outer diameter of the sealing effect. A rotary actuator seal can prevent the loss of pressure and ensure the normal operation of the power steering system, to achieve the sealing effect.

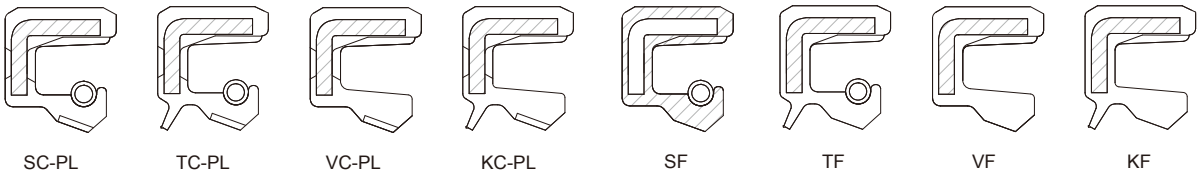


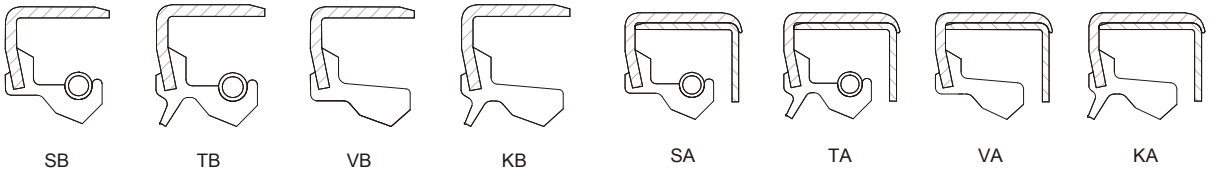


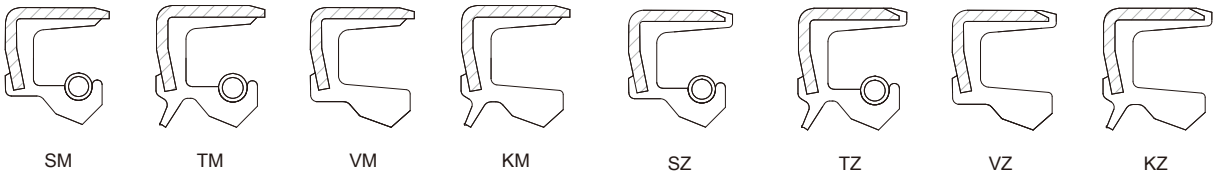
Rotary Shaft Seals

Rotary shaft seals and bearing unit seals are also known as steel seal, which are common seals made with steel in the general type, such as A-type, B-type and C-type. The steels and springs are generally used in carbon steel and carbon springs; however, if used in corrosive or special work environments, it can be made with stainless steel and stainless spring.





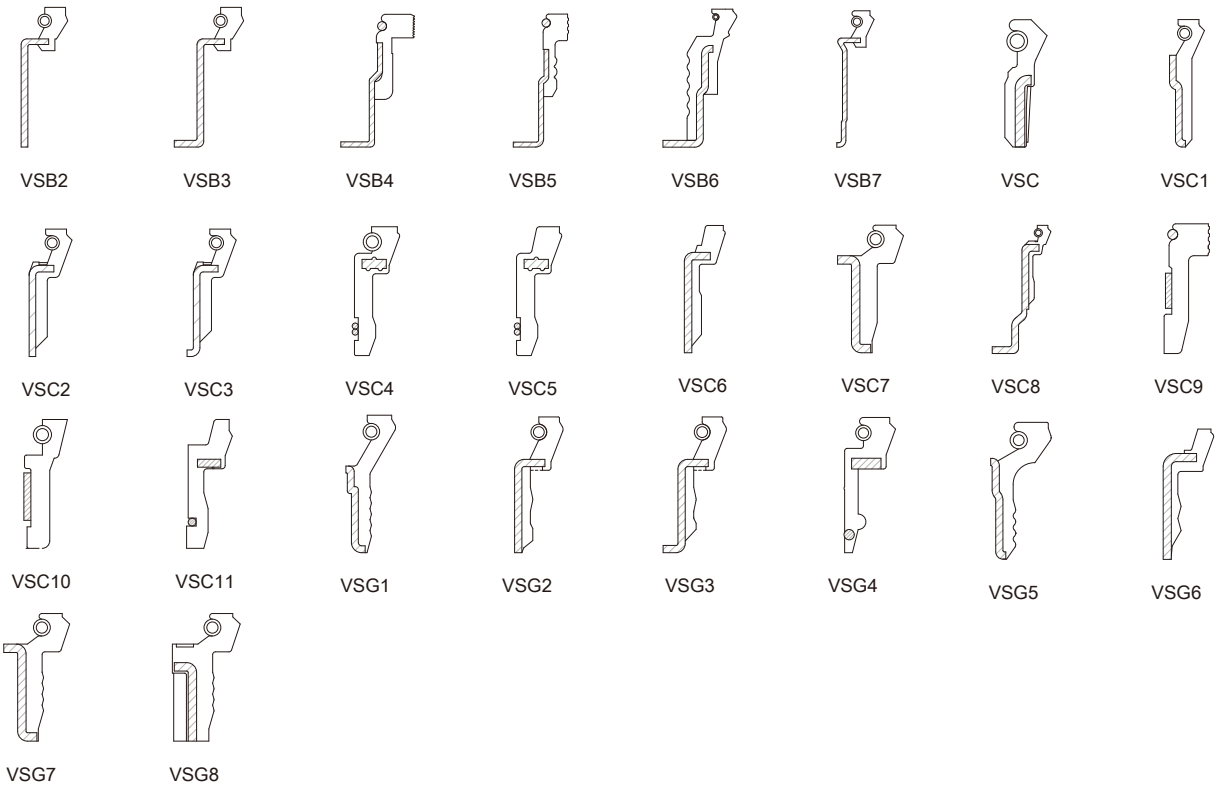




For Automotive

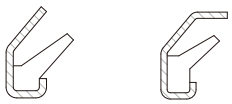
Valve Stem Seals

Valve Stem Seals are used in car engine, which is preventing engine oil enter to exhaust pipe, preventing gasoline mixed with air, and preventing engine oil enter to combustion chamber.



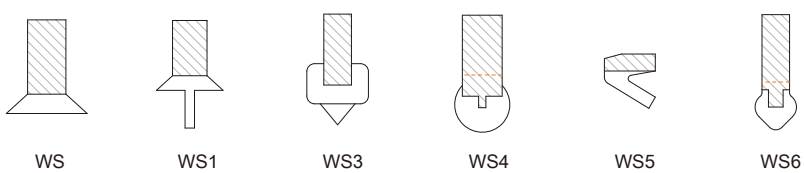
Gamma Seals /Axial Face Seals

Axial Face Seals are a kind of side dust-proof seal, which made with corrosion-resistant metal case and V-ring to achieve the effect of dust.



Bonded Seals

Bonded Seals, also known as washers seal and washer gasket. It is used as industrial oil seals, which is used in static way, with the rubber material in inner diameter to achieve the sealing effect.



For Agricultural, Constructional and Mining

Provide Durable Seals for Heavy Duty Agriculture Equipment

In order to solve extreme working environment on agriculture machinery, TCS Oil Seal specialize on heavy duty seal design, test and manufacture.
Combi Seals are used in construction, excavating machines, etc.
TCS has designed a variety of types to suit high contamination working environment, and can meet the needs of clients with high pollution or hostile environment.

Customize Design for Constructional and Mining Seals

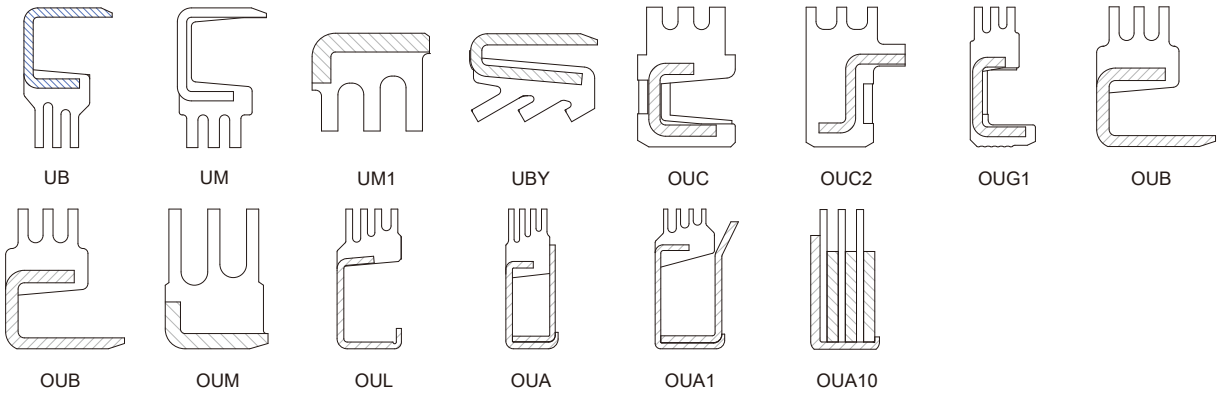
Majority of construction and mining seals are customized design. Filling out TCS design sheet helps engineer provides research and development solutions to solve critical temperature, media and working requirement.
All customize designed seals are rigorously and regularly validate by testing lab annually.
Critical design for high temperature durable, thicker steel wall and longer working life will be considered.





Agricultural Seals

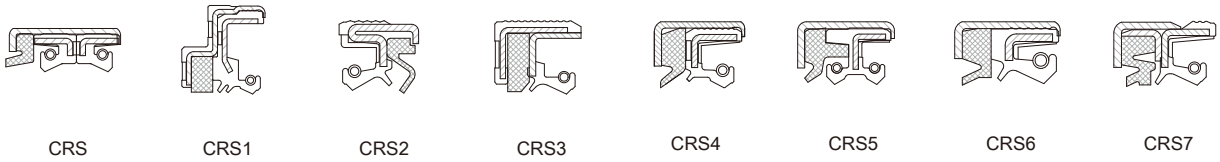
The special triple lip oil seals design are specifically effective for use in heavily contaminated environments and is commonly applied in agricultural machinery and equipment.



For Agricultural, Constructional and Mining

Combi Seals

Combi Oil Seals is designed to overcome highly contamination environment with certain lubricated function. TCS provided design with felt, high density form and polyurethane ring Combi seal for critical working environment in construction.



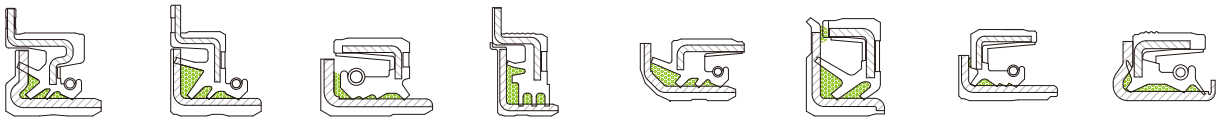
CRS CRS1 CRS2 CRS3 CRS4 CRS5 CRS6 CRS7



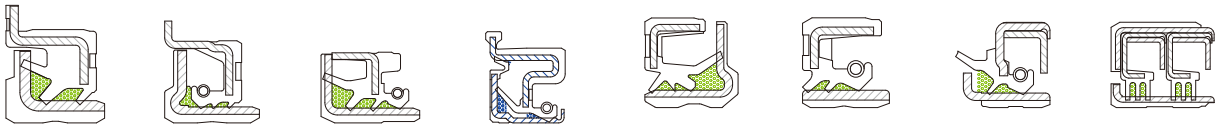
CRS8 CRS9 CRS10 CRS11 CRS12 CRS13 CRS14

Heavy Duty Wheel Seals /Agricultural Seals

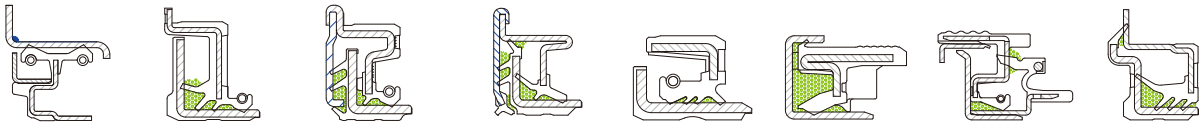
The special designs AJ, AO, and AP are tailored for highly contaminated agricultural machinery equipment. The TCS design is customized to provide tailored services and recommendations for different machinery equipment and application environments.



AJ1 AJ2 AJ3 AJ4 AO AO2 AO3 AO4



AJ5 AJ6 AJ7 AJ8 AO5 AO6 AO7 AO8



AJ9 AJ10 AJ11 AJ12 AO9 AO10 AO11 AO12



AJ13 AO13 AO14

For Agricultural, Constructional and Mining

Heavy Duty Wheel Seals /Agricultural Seals

The special designs AJ, AO, and AP are tailored for highly contaminated agricultural machinery equipment. The TCS design is customized to provide tailored services and recommendations for different machinery equipment and application environments.



For Industrial

Long Performance Life for Motor Sealing Elements

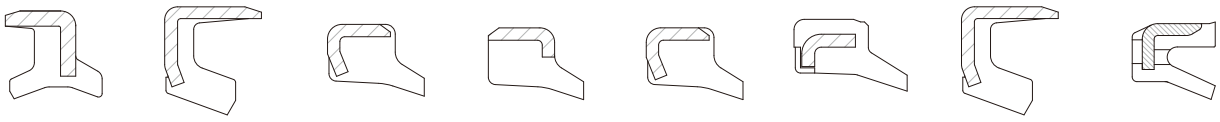
Pump, Motor & Gear Boxes seals are designed in higher speed, pressure, temperature resistance, and media resistance and operation reliability.
TCS Oil Seal design motor seal by choosing suitable elastomers, steel case and set up dynamic test rigs to optimize working life and design verifications.
To serve wide range of low demand customers, TCS built up online stock system to show up to date stock information of over 20,000 part numbers. Please refer to below link to check ready to ship seals.





Hydraulic Oil Seals

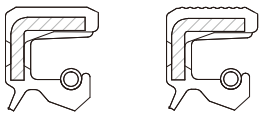
Hydraulic Seals can be divided in to Wiper Seals and U-Packing Seals, which are used in air and hydraulic system, designing by appropriate materials according to the kinds of the different environment to prevent contaminants such as dirt, dust and moisture from entering the cylinder as they retract back into the system. The main materials are polyurethane (PU) and rubber. It also can be designed with O-RING or X-RING on the lip, which can enhance the pressure resistance.



WPK WPB WPM WP5 WP6 WP7 WP11 WPZ1

Alternator Seals

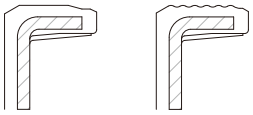
Alternator Oil Seals are used in vehicle generators, with the external rubber whole-covering design to ensure the outer diameter of the sealing effect. A rotary actuator seal can prevent the loss of pressure and ensure the normal operation of the power steering system, to achieve the sealing effect.



TC TG

End Cap Seals

"End Caps" are most used in gear units and gear box, the outer diameter is covered with whole rubber to prevent oil spills, dust and dirt. Be used in static way, the whole rubber design in outer diameter to achieve the seal and the effect of dust.



EC EG

For Industrial

High Pressure Seals

High pressure and combined seal, based on TDN or TDN1 design.

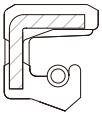

TCN


TCN1


TCN2

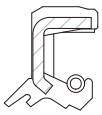

TCN3


SCN


SCN1


SCN2

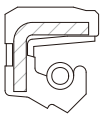

SCN3

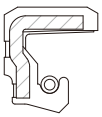

TCN4


TCN5


TCN6


TCN7


SCN4


SCN5


SZN


SLN

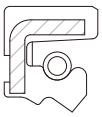

TCN8


TCN9

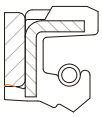

TCN10

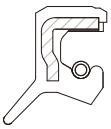

TCN11

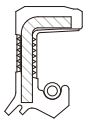

SC4P

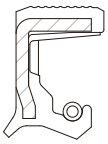

SC4P1

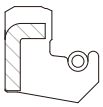

SC4P2


SC4P3

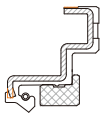

TCN12


TCN13


TGN3

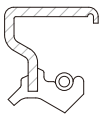

SCN2P


SCNA


SCNA1

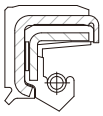

KMN

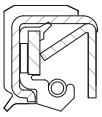

TLN

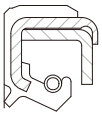

TLN1

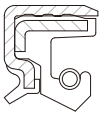

TZN


TZN2


TDN


TDN1


TDN2


TDN3


TGNA1

TBCAN

Oil Gauge Seals

The function of Oil Gauge Seals is similar as EC seals. It is used in static way. The common function is used in air compressor seals to observe the oil pressure.

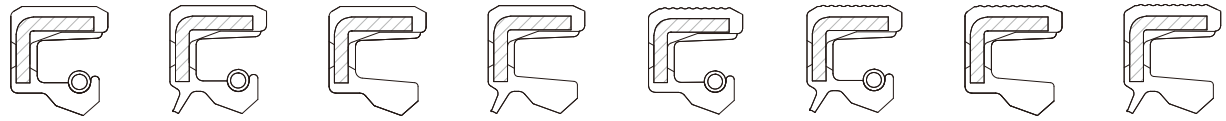
EGA

ECA4

For Industrial

Reducer Seals

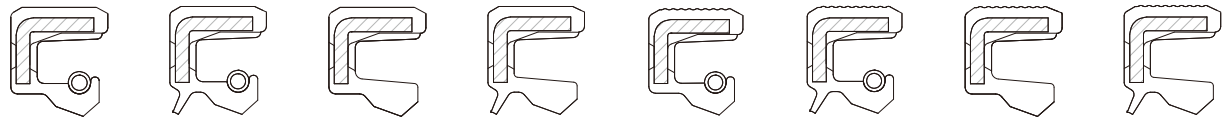
Reducer Seals are used in reducers, with the external rubber whole-covering design to ensure the outer diameter of the sealing effect. A rotary actuator seal can prevent the loss of pressure and ensure the normal operation of the power steering system, to achieve the sealing effect.



SC TC VC KC SG TG VG KG

eMobility Motor Seals

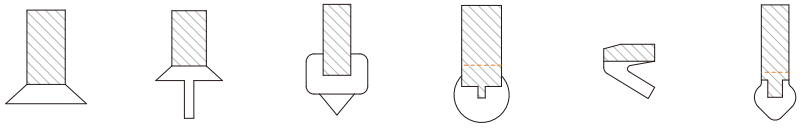
Motor Seals are used in motors, with the external rubber whole-covering design to ensure the outer diameter of the sealing effect. A rotary actuator seal can prevent the loss of pressure and ensure the normal operation of the power steering system, to achieve the sealing effect.



SC TC VC KC SG TG VG KG

Bonded Seals

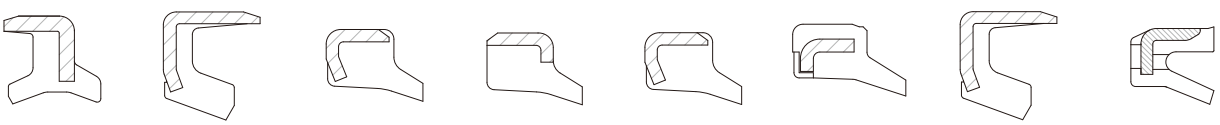
Bonded Seals, also known as washers seal and washer gasket. It is used as industrial oil seals, which is used in static way, with the rubber material in inner diameter to achieve the sealing effect.



WS WS1 WS3 WS4 WS5 WS6

Pneumatic Tool Seals

Pneumatic Tool Seals are M-type seal, which are similar to B-type seal. The inner is made with whole rubber to protect the metal from corrosion by liquid. It is commonly used in rotary way to achieve sealing effect.

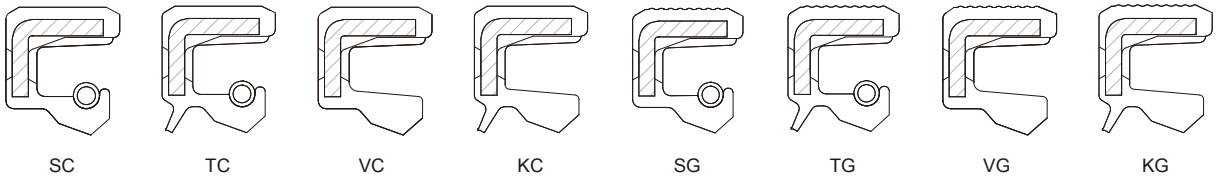


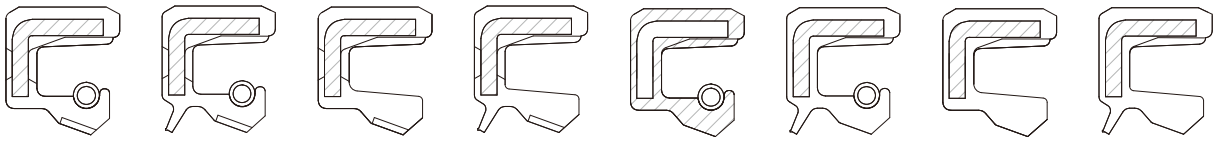
WPK WPB WPM WP5 WP6 WP7 WP11 WPZ1

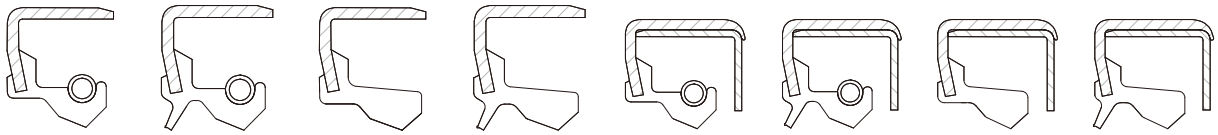
For Industrial

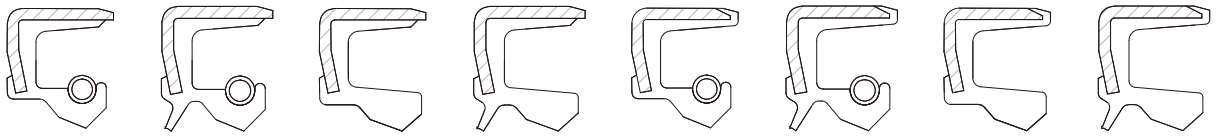
Rotary Shaft Seals

Rotary shaft seals and bearing unit seals are also known as steel seal, which are common seals made with steel in the general type, such as A-type, B-type and C-type. The steels and springs are generally used in carbon steel and carbon springs; however, if used in corrosive or special work environments, it can be made with stainless steel and stainless spring.



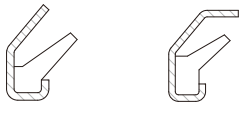






Gamma Seals /Axial Face Seals

Axial Face Seal is a kind of side dust-proof seal, which made with corrosion-resistant metal case and V-ring to achieve the effect of dust.



For Pneumatic and Hydraulic

Fluid Sealing Products for the Hydraulic Industry

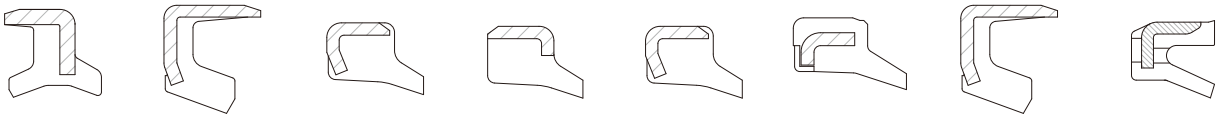
With over 35 years on providing hydraulic sealing solutions, TCS OIL SEAL only use reliable sources on steel, rubber, polyurethane and spring to manufacture high performance seals. Our engineer team offer complete solutions on Hydraulic and Pneumatic applications. From requirement of friction, speed, pressure and other critical working environments.





Hydraulic Seals

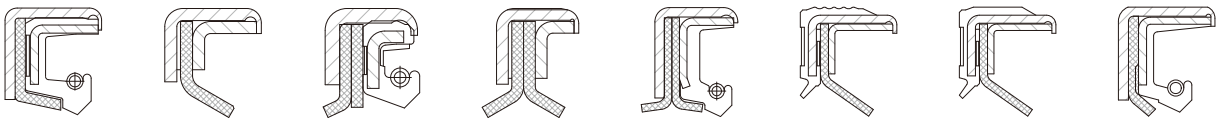
Hydraulic Seals can be divided in to Wiper Seals and U-Packing Seals, which are used in air and hydraulic system, designing by appropriate materials according to the kinds of the different environment to prevent contaminants such as dirt, dust and moisture from entering the cylinder as they retract back into the system. The main materials are polyurethane (PU) and rubber. It also can be designed with O-RING or X-RING on the lip, which can enhance the pressure resistance.



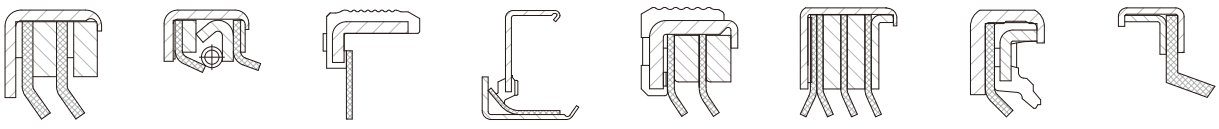
WPK WPB WPM WP5 WP6 WP7 WP11 WPZ1

Teflon Seals

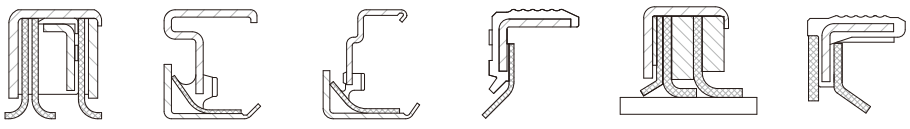
TEFLON, which is the chemical, names "polytetrafluoroethylene (PTFE)". It has excellent chemical stability, corrosion resistance, sealing and good oxidation endurance. It can be used in long-term operation at a temperature -180 ℃ to 250 ℃.



PA PA1 PA2 PA3 PA5 PA6 PA7 PA8



PA9 PA10 PA11 PA12 PA13 PA14 PA15 PA16



PA17 PA18 PA19 PA20 PA21 PA22

Rubber Parts

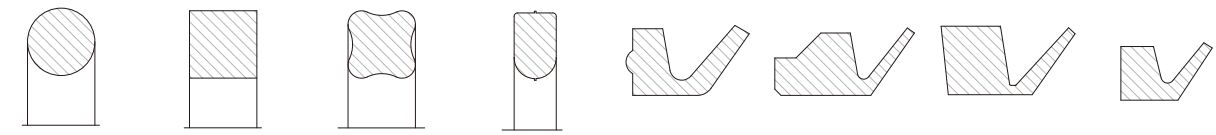
Standard Rubber O Rings to Shaped Rubber Parts, all available

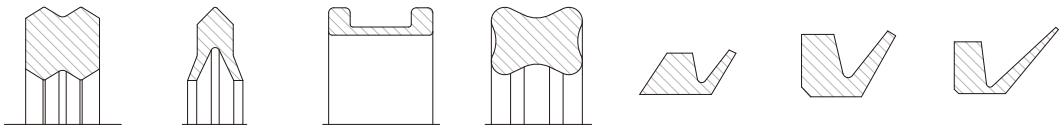
Wide selections of fluorine rubber, silicone rubber, ethylene-propylene rubber, chloroprene rubber, nitrile rubber, and many other types of synthetic rubber o rings are mixed to suit the purpose of use.





Rubber Parts are designed in full rubber materials. It can be divided into the following types: O-RING, V-RING, S-RING, X-RING, SQ-RING, H-RING, K-RING, D-RING and BOOT. The most common type is O-RING, which is a kind of circular mechanical gasket with flexibility, it compresses between two or more components of the assembly process, create a seal interface. Boot is the product which designed to protect the parts of the device products and with dust-proof function.





O-Ring Kits

O-Ring Kit is a combination package which contains a variety of O-rings with different sizes.



For Consumer Electronics

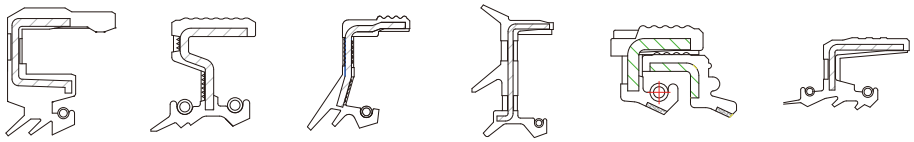
Energy Efficiency Appliances Sealing Solutions

Providing appliances seals OEM dish washer, garbage disposal, and laundry machines. TCS provides experience on solving durability, installation and replace issues. As well as increase user safety.

Creating a friendly living environment by using TCS oil seal, we provides FDA, UL qualified material and producing process on appliances sealing products.







TUCWA2 DGWA1 TG2WA1 TC15 SGA1-PL DG5



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PRECISION SEALING CO., LTD.

TEL +886-49-2261799

FAX +886-49-2255382

Email sales@tcsoilseal.com

ADD No. 3, Gongye E. Rd., Nantou City, Nantou County 540 , Taiwan (R.O.C.)

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وب‌سایت	moharekcharkhesh.com
تلفن	021 3399 8121 · 021 3399 8100
همراه	0912 464 6470
ایمیل	MoharekCharkhesh@proton.me
آدرس	تهران، خیابان امیرکبیر، کوچه ناظم‌الاطبا شمالی، پاساژ تهران، طبقه سوم، پلاک ۱۴۲
ساعت کاری	شنبه تا پنج‌شنبه، ۹:۰۰ تا ۱۸:۰۰

SCAN TO VISIT

تماس با کارشناس فروش

مشاهده محصولات در سایت

برای استعلام قیمت، اعلام موجودی و ثبت سفارش تکی و عمده کاسه نمد TCS با کارشناسان محرک چرخش تماس بگیرید.

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