



POWERSPORTS CATALOGUE



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Dual compound fork seal kit

Next level performance and smoother operation of motorcycle fork systems.

Motorcycle fork seals are a vital protective part of the overall front suspension system, with a crucial impact on riding comfort and trouble-free operation in the harshest environments.

This completely redesigned kit – adding on to SKF’s well established fork seals range that has already been available on the market for years – consists of two newly developed dual lip rubber compounds and new geometries for both the scraper lip and the sealing lip.

The co-moulded combination of compounds, together with improved sealing lip properties, offers enhanced followability on the shaft. In addition, there is a new metal insert and an open wound spring on the dirt scraper lip, effectively preventing the ingress of contaminants.



SKF Dual Compound fork seal kits consist of one oil seal and one dust seal. They feature a custom-made colour style and are available in various dimensions for high-end motorcycle forks.

SKU Prefix:

SKF-DUAL

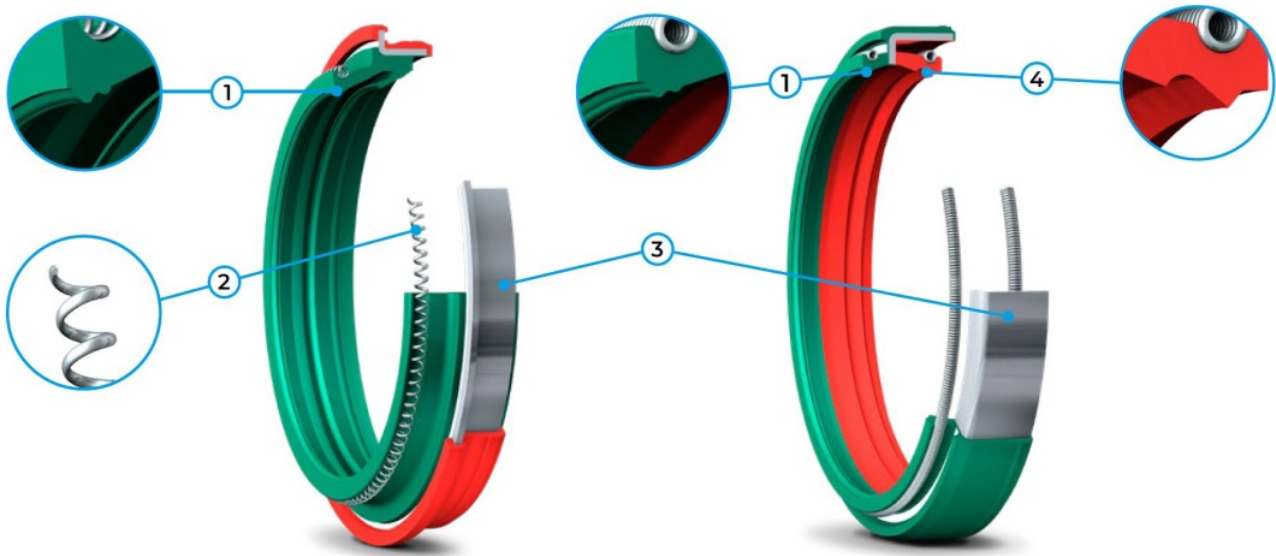
Benefits of the dual compound fork seals are:

- Dual lip seal technology
- Extended sealing capability
- Improved contamination exclusion
- Reliable protection of the interior fork mechanism
- Low friction for enhanced vehicle control

Example SKU's

Description

SKF-DUAL-43W	Seals Kit (oil - dust) Dual Compound WP 43 mm
SKF-DUAL-48W	Seals Kit (oil - dust) Dual Compound WP 48 mm
SKF-DUAL-48S	Seals Kit (oil - dust) Dual Compound SHOWA 48 mm
SKF-DUAL-49S	Seals Kit (oil - dust) Dual Compound SHOWA 49 mm
SKF-DUAL-48K	Seals Kit (oil - dust) Dual Compound KYB 48 mm



- (1.) Re-designed lips on the dirt scraper and the oil seal to enhance followability on the shaft and better exclusion for greatly improved protection against external contaminants
- (2.) The new open wound garter spring allows mud to flow through the spiral for a stable radial load on the lip to optimize contact pattern to the shaft.
- (3.) The new metal stamping for both dirt scraper and oil seal provide proper support to the sealing lips for optimal functionality.
- (4.) The proprietary “super low friction” NBR compound is enhanced by the specifically designed lip of the oil seal and has been developed to further reduce the friction and stick-slip under all operating conditions.

The Dual Compound Fork Seal significantly outperforms the competition and provides further protection improvement versus SKF’s own current product offering. It has better protection against external contamination than other seals (fig. 4). Friction and stick-slip remain the benchmark of the fork application (fig. 5).

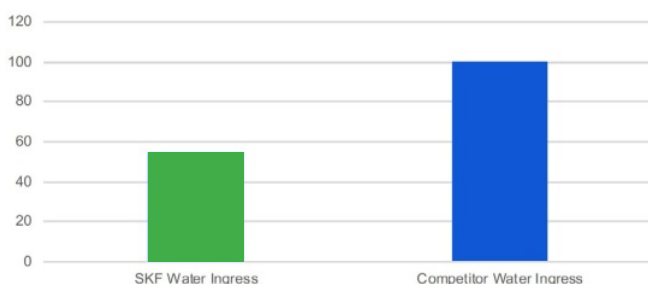


Fig. 4 : Seal mud test comparison
Dual Compound Fork Seal versus competitors.

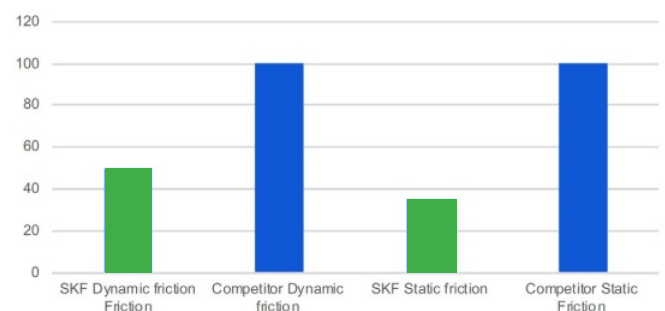


Fig. 5: Friction torque test results
Comparison of Dual Compound Fork Seal kit with competitors.

Fork seal kit

Developed to achieve superior sealing performance reducing stiction.

SKF seal kits are designed for all high-end motorcycle forks and consist of an oil seal and a wiper seal made of a new self-lubricating compound developed to achieve superior sealing performance.

The SKF Advantage:

- **Reduced wear and air suction!**
- **Increased seal life and performance**
- **Enhanced water and dirt protection**
- **Capable of withstanding uv light**
- **Maintains low and constant friction in operation**
- **Compatible with a wide range of original equipment and aftermarket oils**
- **Wide range of sizes to fit most applications**



The seal design characteristics allow for dynamic sealing abilities:

- The kit is comprised of a dust scraper and oil seal
- The dust scraper is the first guard against dirt entering the fork and contaminating the other components in the fork
- The oil seal prevents oil from exiting the fork
- A heavy duty version of the kit is available using dust scraper with a dual lip design that creates a further labyrinth to trap dirt from reaching the oil seal

Developed to specific customer requirements, these seals can withstand:

- Long stroke and high speed
- Contaminated operating conditions
- Also available in 'HD' dual lip versions for some applications



SKF fork seal kits come with one oil seal and one dust seal.

Kits are available in Green for off-road models and Black for road applications.

SKU Prefix:

SKF-KITG

SKF-KITB

Fork oil seal

Superior performance and smooth operation of motorcycle fork systems.



SKF fork oil seal is offered as one single seal.

The fork oil seal has been designed and built to guarantee superior performance to traditional seals, thus increasing:

- Seal lifespan
- Performance and smoothness
- Protection from water, dust and mud penetration into the fork
- Resistance to UV rays
- General reduction of wear and air intake inside the fork.
- Single fork leg only - two required for complete set
- Single oil seals are available in black only

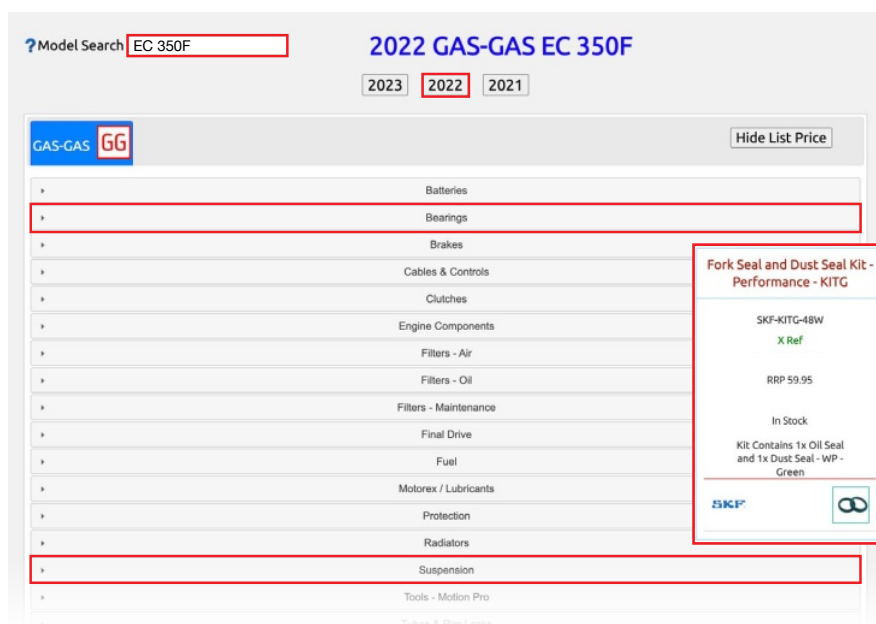
SKU Prefix:

SKF-OSB

SKF single oil seals cover more than 950+ model applications with just twelve different part numbers!

How to search & order SKF components

Use our industry-leading B2B online parts finder to quickly search and order your SKF suspension & bearing components.



Search by Model

Our 'Model Search' feature is the quickest way to access accurate and up-to-date SKF fitment information.

All SKF components are featured under our 'Bearing' and 'Suspension' dropdown menus.

Products are listed with

- Product Image
- Part #
- X-Ref Link
- Pricing
- Description / Notes

Click the **Part #** and the item will be added to your order.

Fork mud scraper kit

Developed to reduce seal contamination under severe conditions.



SKF mud scraper kit includes two scraper units for complete set of forks.

SKU Prefix:

SKF-KIT-MS

The mud scraper kit for motorcycle forks from SKF consists of a pair of ready to install scrapers made with a new, smart design and with a low friction plastic material.

The design characteristics of the mud scraper kit promote dynamic sealing abilities:

- The kit comprises two mud scrapers and stainless steel assembly pins plus spares
- Under extremely muddy conditions, the mud scraper prevents dirt entering the fork and enhances the performance of the other fork components
- Special features to ensure that contamination is not retained within the system



The SKF Advantage:

- **Reduced wear & increased fork seals life and performance**
- **Effectively cleans dried mud from the stanchion**
- **Enhanced water and dirt protection**
- **Withstands UV light**
- **Low and constant friction**
- **User friendly assembly, can be installed “in-field” without fork or wheel removal**
- **Enhanced performance of the fork due to reduced contamination seen by the fork seals**



Removable fork slider kit

Protect fork tubes from unwanted contact.



SKF fork slider kit contains two sliders for complete set of forks.

SKU Prefix:

SKF-KIT-FS

SKF Removable Fork Sliders are an alternative to both metal OEM and plastic wear rings.

The slider does not have a contacting lip for mud, it's function is to protect the fork tube from contacting the fork guard.

- Quick and easy install using cotter pins does not require fork or wheel removal
- Protects fork tube from unwanted contact with fork guard during riding conditions
- Made from low wearing X-ECOPUR plastic material patented by SKF for durability
- Far exceeds lifespan of OEM wear rings
- Kit contains two scrapers to fit a complete set of forks



Glide kit for WP AER fork

Improved performance and smoother operation of WP air fork systems.



The SKF Glide Kit for WP 48mm AER system replaces key components of the air fork to improve small bump absorbtion. This results in less arm pump and an overall smoother front end feel.

- Glide kit contains all components for the air-side fork leg, including cartridge head cap
- Comes pre-assembled and ready to be installed into the fork's cartridge
- The piston assembly is mounted with the SKF low friction seal, coupled with its green glide band made of special SKF tecno-polymer (Ecowear 1000 UHMWPE).
- Kit is currently compatible with all WP AER 48mm model applications.

KIT PART #:

SKF-GK-WPAERPLUS

Brand:	Model:	Years:	Brand:	Model:	Years:
GAS GAS	MC 125	21-23	KTM	125 SX	16-23
GAS GAS	MC 250F	21-23	KTM	150 SX	16-23
GAS GAS	MC 350F	22-23	KTM	250 XC	17-23
GAS GAS	MC 450F	21-23	KTM	250 SX	17-23
HUSQVARNA	FC 250	17-23	KTM	250 SX-F	16-23
HUSQVARNA	FC 350	17-23	KTM	250 XC-F	17-23
HUSQVARNA	FC 450	17-23	KTM	300 XC	17-23
HUSQVARNA	FS 450	17-23	KTM	350 SX-F	16-23
HUSQVARNA	FX 350	17-23	KTM	350 XC-F	17-23
HUSQVARNA	FX 450	17-23	KTM	450 SX-F	16-23
HUSQVARNA	TC 125	17-23	KTM	450 XC-F	17-23
HUSQVARNA	TC 250	17-23			
HUSQVARNA	TX 300	17-23			

Closed cartridge seal kit

Developed for reliable fluid separation inside the air fork assembly



- Made from superior low friction NBR compounds
- High operating efficiency to avoid pressure loss and leakage
- Minimised friction to enhance damping setting
- Compatible with a wide range of suspension fluids
- Superior double spring design for robust assembly
- Dynamic lip shapes to reduce friction
- Integrated sealing functions to prevent oil/air migration
- Metal insert for ideal seal contact pattern on shaft and housing
- Reduced axial space provides more room for damping chamber

PART #:

SKF-CTRWP12G

SKF cartridge seals are a replacement friction part available for servicing the SKF glide kits.

Piston seal

Superior sealing solution for oil/air retention inside air fork assembly.



- Made from superior low friction NBR compounds
- High pressure sealing without losing performance
- Minimized friction enhances damping setting
- Compatible with a wide range of suspension fluids
- Simplified installation
- Dynamic lip shapes to minimize friction
- Dynamic lips supported by back-up rings to keep constant performance and adaption to a wide pressure range
- Metal insert for ideal seal contact pattern to shaft and housing
- Reduced axial space to provide more room for damping chamber
- Wide operating temperature range

The SKF piston seal is a replacement friction part available for servicing the SKF glide kits.

SHOWA PART #:

SKF-PSTSH30G

WP AER PART #:

SKF-PSTWP34G

Fork bushings

Performance, low-frictional, PTFE (teflon) composite fork bushings.

SKF / InnTeck fork bushings combine the mechanical strength of steel with the low friction of a PTFE-based self-lubricating sliding layer.

The intermediate thin bronze layer creates a strong bond between the backing and sliding surfaces and improves the dissipation of heat generated during operation. To protect the bearings from corrosion, the steel backing is copper-plated.

The PTFE-based sliding surface permits smooth, low-friction operation for a plush riding feeling. During a short run phase, there will be some transfer of PTFE material from the sliding contact surface to the counter face. After transfer, the characteristics low friction and wear properties of these bushings will be achieved.

SKF fork bushings benefits:

- Maintenance free operation
- Low frictional properties under side load
- High load carrying capacity
- Stability at wide operating temperatures
- Small operating clearance for improved guidance
- Dimensions marking for quick product identification

NEW FOR 2023!



SKF Fork Bushings come as a kit of one inner and one outer bushing.

SKU Prefix:

SKF-VKWA



InnTeck provide a single inner & outer bushing option.

SKU Prefix:

SKF-SKT

Technical Bushing Details:

- Load capacity: 140N/mm²
- Coef(u) Friction: 0.04 -0.20
- Temperature: -195 + 280°C
- PV Limit (dry): 3,6N mm².m/s
- PV Limit (oil): 50N mm².m/s



SKF fork bushing kits

Part #:

SKF-VKWA-KYB36-A

SKF-VKWA-KYB41-A

SKF-VKWA-KYB41-B

SKF-VKWA-KYB43-A

SKF-VKWA-KYB46-A

SKF-VKWA-KYB46-B

SKF-VKWA-KYB48-A

SKF-VKWA-MAR45-A

SKF-VKWA-MAR48-A

SKF-VKWA-MAR50-A

SKF-VKWA-OHL43-A

SKF-VKWA-SH037-A

SKF-VKWA-SH041-A

SKF-VKWA-SH041-B

SKF-VKWA-SH043-A

SKF-VKWA-SH043-B

SKF-VKWA-SH045-A

SKF-VKWA-SH047-A

SKF-VKWA-SH048-A

SKF-VKWA-SH049-A

SKF-VKWA-WP35-A

SKF-VKWA-WP43-A

SKF-VKWA-WP48-A

Description:

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 36

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 41 TYPE 1

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 41 TYPE 2

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 43

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 46 TYPE 1

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 46 TYPE 2

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - KYB 48

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - MARZOCCHI WP 45

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - MARZOCCHI SACHS 48

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - MARZOCCHI 50

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - OHLINS 43

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 37

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 41 TYPE 1

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 41 TYPE 2

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA SACHS 43 TYPE 1

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 43 TYPE 2

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 45

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 47

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 48

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - SHOWA 49

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - MARZOCCHI WP 35

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - WP 43

SKF Fork Bushings Kit 2pcs - 1 Inner, 1x Outer - WP 48

**THE COMPLETE RANGE OF SKF
FORK BUSHING INNER & OUTER
KITS ARRIVING 2023!**



Single bushings by



Part #:

SKF-SKTE35M

Description:

INNER FORK BUSHING - MARZOCCHI WP 35 mm

SKF-SKTE36K

INNER FORK BUSHING - KAYABA 36mm

SKF-SKTE37S

INNER FORK BUSHING - SHOWA 37mm

SKF-SKTE43K

INNER FORK BUSHING - KAYABA 43mm

SKF-SKTE43W

INNER FORK BUSHING - WP 43mm



SKF-SKTE45M

INNER FORK BUSHING - MARZOCCHI 45mm

SKF-SKTE46K

INNER FORK BUSHING - KAYABA 46mm

SKF-SKTE47S

INNER FORK BUSHING - SHOWA 47mm

SKF-SKTE48K

INNER FORK BUSHING - KAYABA 48mm

SKF-SKTE48M

INNER FORK BUSHING - MARZOCCHI SACHS 48mm

SKF-SKTE48S

INNER FORK BUSHING - SHOWA 48mm



SKF-SKTE48W

INNER FORK BUSHING - WP 48mm

SKF-SKTE49S

INNER FORK BUSHING - SHOWA 49mm

SKF-SKTE50M

INNER FORK BUSHING - MARZOCCHI 50mm

SKF-SKTE52W

INNER FORK BUSHING - WP / BOS 52mm

SKF-SKTI35M

OUTER FORK BUSHING - MARZOCCHI WP 35mm

SKF-SKTI36K

OUTER FORK BUSHING - KAYABA 36mm

SKF-SKTI37S

OUTER FORK BUSHING - SHOWA 37mm



SKF-SKTI43K

OUTER FORK BUSHING - KAYABA 43mm

SKF-SKTI43W

OUTER FORK BUSHING - WP 43mm

SKF-SKTI43W0

OUTER FORK BUSHING - OLDER WP 43mm 00-02

SKF-SKTI45M

OUTER FORK BUSHING - MARZOCCHI 45mm

SKF-SKTI46K

OUTER FORK BUSHING - KAYABA 46mm

SKF-SKTI46K0

OUTER FORK BUSHING - OLD KAYABA 46mm

SKF-SKTI47S

OUTER FORK BUSHING - SHOWA 47mm



SKF-SKTI48K

OUTER FORK BUSHING - KAYABA 48mm

SKF-SKTI48M

OUTER FORK BUSHING - MARZOCCHI 48mm

SKF-SKTI48S

OUTER FORK BUSHING - SHOWA 48mm

SKF-SKTI48W

OUTER FORK BUSHING - WP 48mm

SKF-SKTI49S

OUTER FORK BUSHING - SHOWA 49mm



SKF-SKTI50M

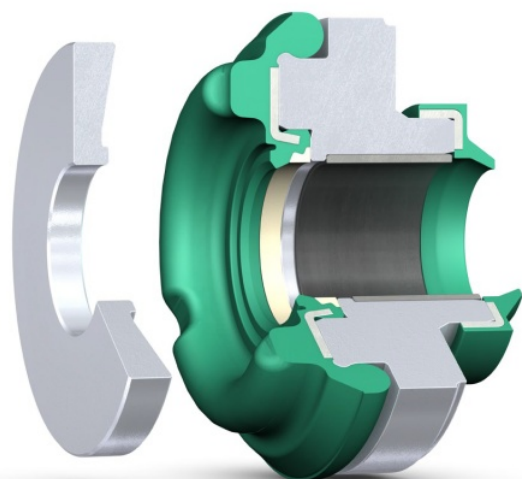
OUTER FORK BUSHING - MARZOCCHI 50mm

SKF-SKTI52W

OUTER FORK BUSHING - WP/ BOS 52mm

Shock seal head unit 2.0

The innovative shock absorber sealing system.



The seal head unit 2.0 provides reliable one-part sealing solution for high-performance suspension components:

- All-new, specially developed NBR compound suitable for temperatures of -40°C to $+140^{\circ}\text{C}$
- Plastic back-up ring reduces friction and wear under high operating pressure
- Static outer diameter seal design allows easier assembly and removal
- Rebound bumper and mating plate provide smoother kick back and longer service life
- Service kit available allows maximum life out of single unit

The SKF Advantage:

- Simplified installation process
- Robust sealing over wide temperature range
- Improved service life and overall performance
- Reduced friction and wear
- Compact solution to maximise stroke/ minimise shock absorber length.



Part #:

SKF-SH2-KYB1646

SKF-SH2-KYB1650

SKF-SH2-KYB1846

SKF-SH2-SHO1650

SKF-SH2-WP1846P

SKF-SH2-WP185012L

SKF-SH2-WP1850L

SKF-SH2-WP1850P

Description:

NEW SKF SHOCK SEAL HEAD UNIT KAYABA - Shaft 16mm - Piston 46 mm

NEW SKF SHOCK SEAL HEAD UNIT KAYABA - Shaft 16mm - Piston 50 mm

NEW SKF SHOCK SEAL HEAD UNIT KAYABA - Shaft 18 mm - Piston 46 mm

NEW SKF SHOCK SEAL HEAD UNIT SHOWA - Shaft 16 mm - Piston 50 mm

NEW SKF SHOCK SEAL HEAD UNIT NEW WP PDS - Shaft 18 mm - Piston 46mm

NEW SKF SHOCK SEAL HEAD UNIT WP LINK - Shaft 18 mm - Piston 50 mm

NEW SKF SHOCK SEAL HEAD UNIT WP LINK - Shaft 18 mm - Piston 50 mm

NEW SKF SHOCK SEAL HEAD UNIT WP PDS - Shaft 18 mm - Piston 50 mm

Replacement sealing NBR compound rings to refresh a worn or damaged SKF seal head 2.0 unit.



Part #:

SKF-SHS2-KYB1646

SKF-SHS2-KYB1650

SKF-SHS2-KYB1846

SKF-SHS2-SHO1650

SKF-SHS2-WP1846P

SKF-SHS2-WP1850L

SKF-SHS2-WP1850P

Description:

SERVICE KIT KYB (for SKF Seal Head Unit Only V2) SH2-KYB-16-46-22

SERVICE KIT KYB (for SKF Seal Head Unit Only V2) SH2-KYB-16-50-20

SERVICE KIT KYB (for SKF Seal Head Unit Only V2) SH2-KYB-18-46-20

SERVICE KIT SHOWA (for SKF Seal Head Unit Only V2) SH2-SHO-16-50-22

SERVICE KIT NEW WP (for SKF Seal Head Unit Only V2) SH2-18-46-15 PDS

SERVICE KIT WP (for SKF Seal Head Unit Only V2) SH2-WP-18-50-15 LINK

SERVICE KIT WP (for SKF Seal Head Unit Only V2) SH2-18-50-15 PDS

Shock floating piston

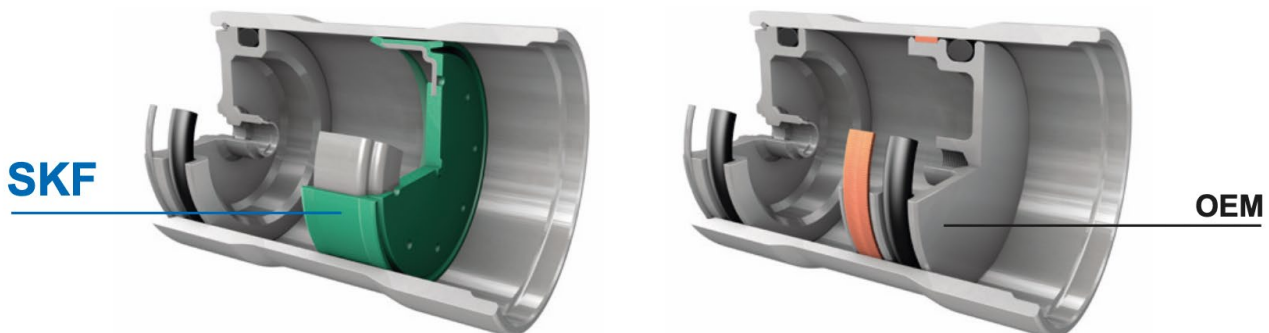
Integrated sealing module for the pressure reservoir of shock.



The SKF floating piston is a sealing module that is integrated into the shock pressure reservoir. This provides a better feel and reduced nitrogen permeation for longer suspension life.

- Simplified installation and logistics because of one part instead of 3
- Integrated unit with metal stamping and specifically developed HNBR or NBR rubber compound
- External sealing lips with reduced friction provide virtually no stick and slip effects
- Central membrane function to compensate for small amplitude vibrations without the need for the piston to move
- Superior gas and oil separation due to special compound characteristics and lip design
- Stable operation as the reduced membrane surface allows less nitrogen permeation than a bladder solution
- Improved reliability as the special sealing lip design reduces oil leakage
- Increased sensitivity for shock absorber tuning as there is less need to compensate for stick-slip and gas permeation over time
- Higher rider confidence as the rear wheel has more ground contact
- Excellent dynamic sealing to avoid gas leakage

Current OEM solutions consist of multiple parts, i.e. a piston with a rubber O-ring and friction strip or alternatively a rubber bladder. The floating piston by SKF replaces these conventional solutions with one integrated unit. Combining the benefits of current solutions while limiting the disadvantages.



PART #:

SKF-FP-WP52

FLOATING PISTON - SHOCK WP 52mm PDS LINK

Wheel bearing, seal & spacer kit

Ultimate protection and performance for motorcycle wheel hubs.

SKF conveniently packages the premium wheel components offered into kits to easily service a complete wheel. While SKF produces each part with superior stand-alone performance, it is when multiple products are utilised together that the benefits are second to none.

- Increased sealing efficiency and reduced friction
- Premium SKF wheel bearings included
- SKF spacer included for ideal running surface
- Superior contamination protection for bearing life
- Resistance to water wash thanks to patented seal design including an integrated plastic shield
- Longer service intervals
- Overall improved high performance reliability



SKF wheel seals are applicable to all motorcycles, but are especially useful for off-road applications where wheel bearings are subject to intense riding conditions and frequent washing.

Wheel bearing, seal & spacer kit includes:

- Two SKF premium wheel seals
- Two SKF anodized wheel spacers
- Two SKF premium wheel bearings

SKU Prefix:

SKF-WSB-KIT

50 HOUR FIELD TEST



OEM



SKF

Wheel seal & spacer kit

Ultimate protection of wheel bearings from dirt contamination and water entry.



Wheel seal & spacer kit includes:

- Two SKF premium wheel seals
- Two SKF anodized wheel spacers

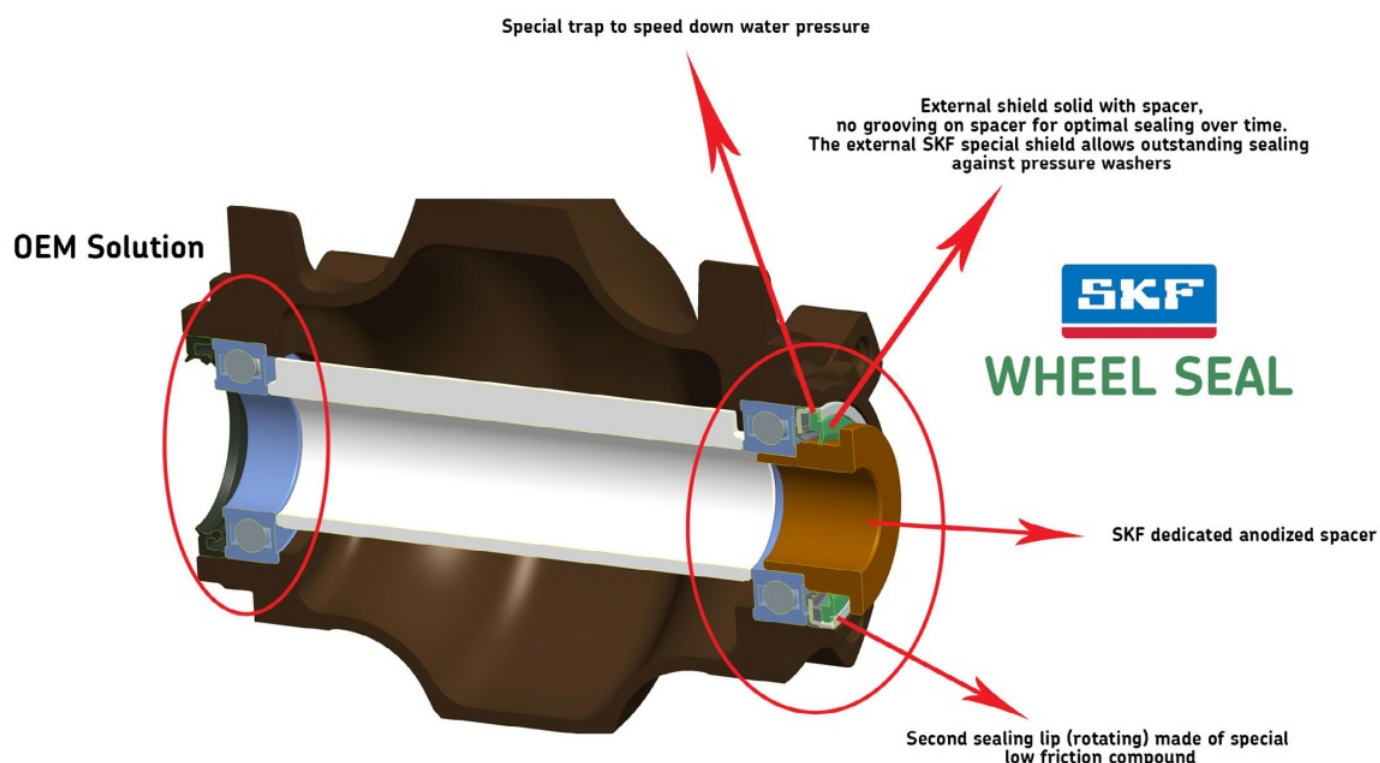
SKU Prefix:

SKF-W-KIT

Motorcycle wheel bearings have to endure intense contamination in off-road applications, shortening the bearing life.

SKF utilises decades of bearing sealing experience to provide a solution that gives the ultimate riding experience with reduced friction, increased service intervals and longer bearing life.

- Increased sealing efficiency with reduced friction and very low power loss
- SKF spacer included for an ideal seal running surface
- Superior contamination protection for longer wheel bearing life
- Resistance to water wash thanks to patented seal design including an integrated plastic shield
- Longer service intervals
- Overall improved high performance reliability



Wheel bearings

Premium motorcycle roller wheel bearings.

SKF utilises decades of bearing sealing experience to provide products that give the ultimate riding experience. Wheel bearings are no exception, with a design that reduces friction, and increases service intervals and bearing life.

- Premium quality bearing materials for reduced friction
- Seamless integration with SKF wheel seals & wheel spacers
- Increased service intervals
- Superior bearing life



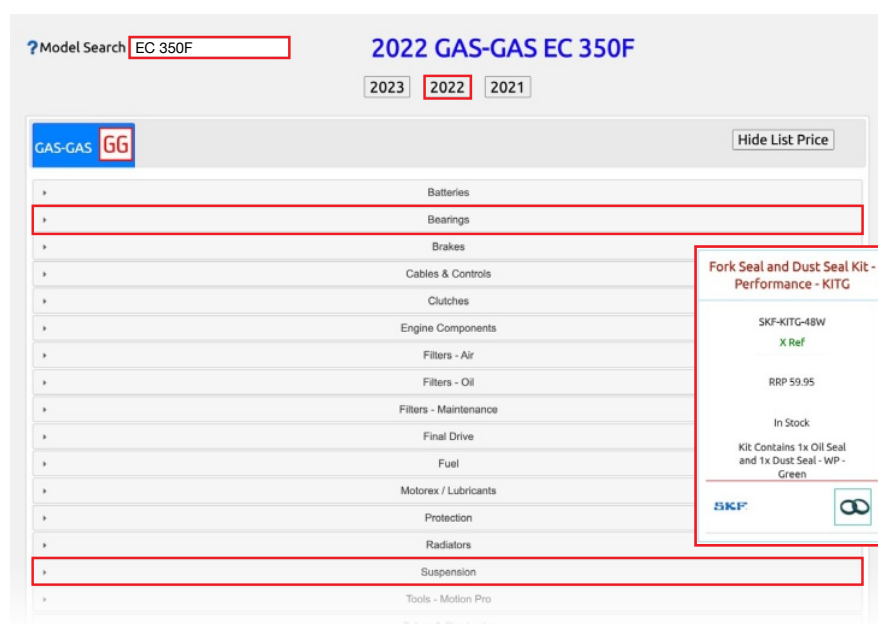
SKF wheel bearings come as a kit of two front wheel bearings or a kit of two rear wheel bearings.

SKU Prefix:

SKF-WB-KIT

How to search & order SKF components

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