

Wheel end products

Wheel bearings and hub units with integrated ABS-sensors

SKF has pioneered every major advance in wheel and hub bearing technology since the invention of the automobile. We are the trusted engineering partner and OE component supplier to major vehicle manufacturers and today more than 90 million cars worldwide run on bearings made by SKF.

Discover the SKF wheel end components

First generation wheel bearing kit – VKBA

Greased and sealed for life, the first generation wheel bearing cuts installation time and virtually eliminates problems caused by improper seal handling and bearing clearances.



Flange bearings – VKBA

- The second generation wheel bearing replaces the function of a separate bearing unit by combining a double-row ball bearing unit and an integral mounting flange,
- The third generation wheel bearing features two flanges – one for installing to the wheel and brake rotor assembly, one for fixing to the suspension – the third generation wheel bearing provides a significant simplification in corner design.



SKF X-Tracker®

Delivering car-like handling, comfort, and safety to light-duty trucks, this patented hub unit solution increases bearing capacity and improves hub stiffness by 50% compared to traditional tapered roller bearing units, without increasing bearing width.



Wheel bearing and brake kit – VKBD

SKF offers a pre-assembled system, with a wheel bearing integrated into a brake disc/drum. It's faster and easier to install, therefore minimizing risks of installation errors. All parts are OE quality to ensure performance and reliability.



Wheel end tools - VKN 600, 601, 602-1

Wheel bearing tools for easy and fast mounting and dismounting of HBU 2.1 (compact) bearings of all sizes. No need to remove the ABS sensor or the knuckle from the car. Applies pressure at the right area (outer ring), avoiding damage of sensitive components. 3 kg low weight hydraulic cylinder (18 tons pressing and pulling capability) available as an extension to wheel bearing tool kits above.



Single tapered roller bearings – VKHB(S)*

Combining two TRB's in an O-arrangement, single tapered roller bearings can be lubricated with grease or oil and need maintenance according to the OE maintenance procedure.



Truck matched unit – VKBA*

Truck Matched Units have two separate outer rings and two extended inner rings. TMUs can be lubricated with grease or oil. The bearing itself is a low maintenance design.



The clearance/preload setting is adjusted during manufacturing of the bearing.

Truck hub unit 1 and 2 – VKBA*

- The Truck Hub Unit 1 system consists of a one piece outer ring and two extended inner rings, pre-greased and sealed for life.
- The outer ring design of the THU2 includes a flange for mounting the wheel adapter. The THU2 system does not require an additional hub. The THU2 is solely grease lubricated.



Both bearings themselves are a low maintenance design and must not be disassembled for service. The clearance/preload setting is adjusted during manufacturing of the bearing.

Transmission bearing – VKT*

Transmission bearings provide top performance and service life, recognized by performance-focused customers over many years in a wide range of applications. Performance is driven to large extent by the specific internal geometry, surface finish, design optimization and precise manufacturing.



Seals – VKS*

Seals use advanced material developments and sealing lip designs to provide both low friction and excellent contamination exclusion which results in long service life.



Grease – VKG*

Premium quality mineral oil based lithium complex grease with extreme pressure performance. Extremely thermally stable within its operating temperature range and up to 220 degrees for intermittent operation. Suitable in wheel bearings or vehicles fitted with disc brakes.



* for commercial vehicles

To order products please contact your **local distributor or local dealer.**