



# SKF Timing belts (VKMT XXXXX IN)

## Solutions for the automotive industry

With the car performance in terms of speed, pick up and power becoming more and more demanding, selecting a timing belt for maximum engine performance is more important than ever.

### What goes in a good belt?

SKF Belts are carefully manufactured to ensure the right quality of its three main constituents. The rubber compound which acts as the matrix, the Cord which is the tension bearing element and the Jacket— which is the reinforcement fabric for the tooth and wear resistant.

SKF quality ensures superior belt performance. This is important since a timing belt is a critical part of the vehicle, which sets the engine's fuel/air and exhaust in motion. The crankshaft drives the camshaft(s) and actuates the valves via the timing belts.

If a timing belt on a conventional engine fails there is generally no additional engine damage, it simply stops functioning. If the timing belt fails on an engine with interference design, the piston will collide with the valves causing engine failure. This is extremely expensive (repair can be ten times the cost of the actual belt). Hence selection of a good timing belt is very important.

### Storage & Handling:

Belts should be kept in their original packaging until needed. They should not be subjected to:

- Temperature extremes.
- Direct Sunlight.
- High humidity.
- Contamination by oil, water, chemicals etc.

It is important that belts are not crimped during handling since this could seriously damage the tensile members and lead to premature failures. Belts should not be crimped or bent around a radius smaller than that of the smallest pulley in the drive.

### Replacement:

The replacement interval is determined during the engine development process by analyzing the measured belt loads and tested belts. Vehicle manufacturer's instructions regarding belt replacement intervals have to be followed.

### Why SKF Timing Belts:

- Today's automotive engines operate at higher temperatures.
  - Today's engines generate more horsepower loads.
  - Today's aerodynamic designs generate higher temperatures under the hood.
- A broken timing belt could destroy your engine! So, protect your customers' investment with high quality timing belts from SKF.

### The SKF Advantage:

#### New belt designs:

SKF belts are vastly improved, providing increased durability and smoother performance characteristics demanded by today's engines and your customers.

#### Application-specific tooth profiles:

The need to meet more demanding applications resulted in the development of belts with curvilinear and modified

curvilinear profiles from the earlier trapezoidal ones. These different tooth profiles are not interchangeable. It is critically important to select the correct belt for every application and you can always be sure of that when it's SKF. Today's vehicles depend on the correct functioning of the timing system for convenience, performance and safety. SKF's range of timing belts (VKMT) follow the demanding specifications of the car manufacturers, right down to correct length of the application-specific belt. This assures the correct tension and operation for specific models, eliminating over or under-tension that can cause slippage, noise, vibration, and early belt failure.

SKF Belt	Applicable Car Models
VKMT 03240 IN	TATA Sumo/Indica D
VKMT 55009 IN	Toyota Qualis
VKMT 99006 IN	HM Contessa Diesel
VKMT 55006 IN	Maruti Suzuki 800/Omni / Gypsy
VKMT 55007 IN	Maruti Suzuki Zen/Esteem II
VKMT 96207 IN	Maruti Suzuki Wagon R/Alto
VKMT 55000 IN	Daewoo/Cielo SOHC



Timing Belt Carton

Install confidence, install SKF!