

# AUTOMOTIVE BELTS





# OUR PARTNERS

Volkswagen

Audi

Porsche

Bentley

Lamborghini

Skoda

Daimler

Stellantis

Alfa Romeo

Renault



And many more...

Dodge

Chevrolet

Ford

GMC

Cadillac

Volvo

Toyota

Nissan

Honda

Mitsubishi

**Around the Globe the World's Best Companies Trust Mitsubishi to Provide Industry Leading Belting Products...You Should Too!**



## ENGINEERING

We provide elaborate solutions that fit your belt application field by using state of the art technology. Our engineers continuously work on simulations, design, in-depth testing and verification of belts.



## RESEARCH & DEVELOPMENT

Our R&D laboratories in Japan focus on material research to the highest degree in order to constantly improve the quality of our belts and respond to even the highest OEM prerequisites.



## INNOVATION

Applying our latest R&D findings to introduce new products we constantly aim to come up with ground-breaking novelties that satisfy your requirements – no matter how challenging the application may be.



## QUALITY STANDARDS

Mitsuboshi maintains the strictest quality standards. Our domestic and overseas factories have obtained ISO 9001 or IATF 16949 quality certification in addition to ISO 14001 environmental certification.



# RAW EDGE BELTS

| Belt Type   | Raw Edge Plain V-belt (REMF)                                                                                            | Raw Edge Multi-ply V-belt (MPMF)                                                                                                                                                 | Raw Edge Cogged V-belt (RECMF)                                                                                                                            |
|-------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description |                                        |                                                                                                |                                                                        |
|             | Direct exposure of special rubber to the pulley provides high friction force resulting in increased power transmission. | The structure of this belt is similar to that of the Raw Edge plain V-belt (REMF). However, this belt is designed to reduce noise by applying fabric layers to the belt surface. | A cogged belt bottom structure reduces the energy loss caused by bending. As a result, it fits small pulleys and gives stable performance at high speeds. |



A proven, cost-effective design that is the preferred option on many applications.

Popular on trucks, heavy equipment and other applications where large gasoline and diesel engines are used.

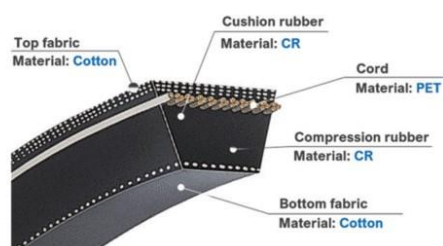
Optimum flexibility provides greater heat dissipation which insures longer operational efficiency. Cogged design provides area for air circulation further reducing heat build-up and provides greater flexibility.

Variable spacing of cogs provides improved performance for RECMF belts by reducing noise and tension decay.

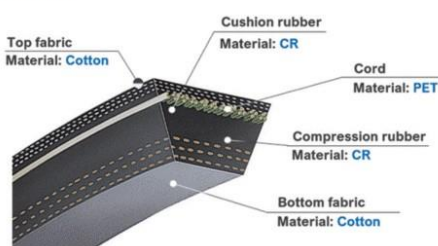
Still maintains a strong replacement market for older cars produced before v-ribbed belts were introduced.

## Belt Construction for Raw Edge Belts

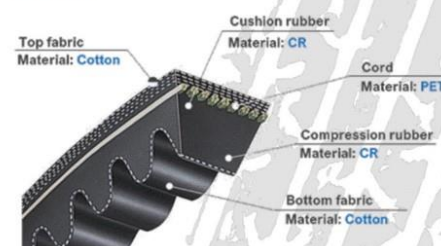
### REMF



### MPMF



### RECMF



# FRICTIONAL DRIVE BELTS

## V-Ribbed Belts



## Double Sided V-Ribbed Belts



**V-Ribbed Belts** combine the benefits of flat belt flexibility with the power transmission capability of the V-belt.

V-Ribbed Belts provide the optimum in belt design for use on today's modern engines where space and weight are critical.

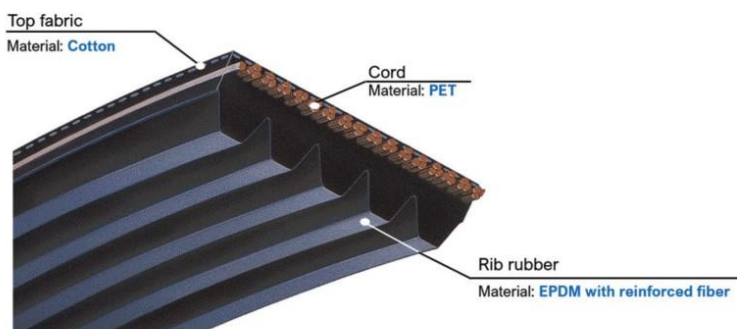
- ★ Accessories can be driven from the top or bottom side of the belt enabling compact designs<sup>1</sup>.
- ★ Top or backside ribs are capable of handling high load accessories<sup>1</sup>.

Rubber compounds are formulated to reduce noise caused by humid conditions and worn pulleys.

Proven reliability on drives with or without automatic tensioners.

Optimum flexibility provides greater heat dissipation which insures longer operational efficiency for one belt drive systems.

## Belt Construction of V-Ribbed Belt

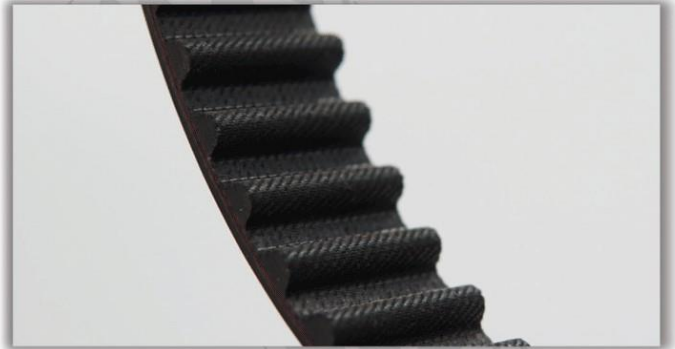


## V-Ribbed Belt Installation



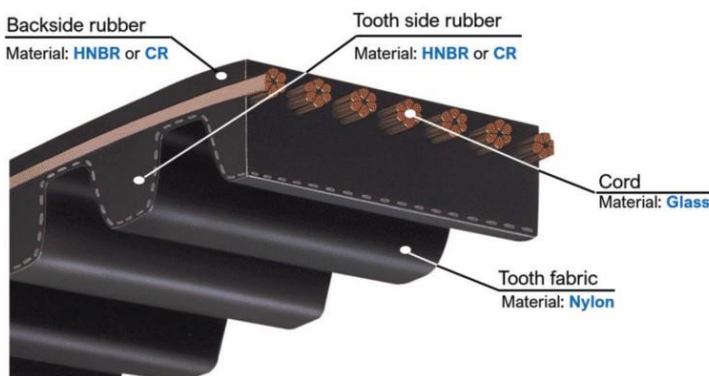
<sup>1</sup>Characteristics apply to Double Sided V-Ribbed belts only





- ★ Greater Efficiency
- ★ Reduced weight
- ★ Quieter Operation
- ★ Fuel savings

## Belt Construction of OHC Timing Belt





# COMPANY PROFILE

**For more than 100 years, MITSUBOSHI has grown to be one of the world's largest belt manufacturers**

Mitsuboshi Belting Ltd. began business in Kobe, Japan, in 1919. Over the years sales and service have been strengthened, business has grown together with its markets, and production systems have continuously improved.

Today Mitsuboshi Group operates around the world, and we see the group becoming an important contributor to more affluent lifestyles world-wide.



## **MITSUBOSHI OVERSEAS HEADQUARTERS PTE. LTD.**

Founded under the name "MITSUBOSHI OVERSEAS HEADQUARTERS PTE. LTD." in Singapore in 1977 as an affiliate of the parent company Mitsuboshi Belting Ltd.,



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