

# optibelt



Power Transmission

## Ribbed belts

### optibelt *RB*

The ribbed belt combines the high flexibility of flat belts with the high performance of V-belts. The V-shaped parallel ribs are made from a wear-resistant rubber compound. The high strength tension cord is designed for the many applications of the ribbed belt. It is embedded in a rubber adhesive mixture and covers the entire width of the ribbed belt. Fibre reinforced, wear-resistant rubber compounds ensure quiet operation, oil and heat resistance and a long belt life.

#### Advantages

- Ribbed belts
- High efficiency
- Very good dynamic power transmission capability
- Good coefficient of friction and high performance
- Low vibration and noise
- Withstands shock loads and short-term overload
- High belt speeds possible
- Can be used with back bend idlers, e.g. in serpentine drives

The small minimum pulley diameters permit drives with high speed ratios as well as small drive volume requirements. Ribbed belts are well suited for use with back bend idlers, e.g. in serpentine drives.

## Examples of Applications

### Mechanical engineering

- Milling machines and lathes
- Textile machines
- Spindle drives
- Paper machines
- Fan drives

### Household appliances

- Washing machines
- Tumble driers
- Exercise equipment
- DIY equipment



#### Sections:

PH; PJ; PK; PL; PM

#### Dimensions:

Belt lengths depend on the section.

#### V-ribbed pulleys:

wide range of standard sizes  
special pulleys on request