# MITSUISUMI

MAX BELT

## Automotive & Industrial Power Transmission Belts

**INDONESIA PRODUCT**
**FOR GLOBAL TRANSMISSION**

*Manufactured by :*
**PT. SUPREME BELTING PERKASA**

Estabilished in 1983, we have been manufacturing Rubber Power Transmission Belts (V-BELTS) in Indonesia. Our product range has expanded over the years, completing the range to serve our customers' needs.

Built on 15,000 m2 area and strategically located, our manufacturing plant is staffed with experienced technical personnel. This cumulative experience is synergized with constant machinery modernization and integrated production facility.

Certified with ISO 9001 – 2015, we strive to pursue continuous technological innovation, product quality upgrades and expansion of the scope of our business activities to provide more value to our customers worldwide.

## Vision

To become a Transmission Belting company with number one quality in Indonesia and become the customer's main choice.

## Mission

- Meet the needs of Transmission Belting for the industrial and automotive applications
- Conducting good business relationship with customers and suppliers

# product range







## Classical

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (inches) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| M | 10.0 | 5.5 | 40 | 33 - 50 | 40 pcs | 1.90g |
| FM | 10.0 | 8.0 | 40 | 24 - 239 | 38 pcs | 2.23g |
| A | 12.5 | 8.0 | 40 | 22 - 348 | 32 pcs | 2.90g |
| B | 16.5 | 11.0 | 40 | 23 - 800 | 25 pcs | 5.07g |
| BC | 20.0 | 12.5 | 40 | 60 - 800 | 19 pcs | 6.74g |
| C | 22.0 | 14.0 | 40 | 40 - 800 | 15 pcs | 8.20g |
| CD | 25.0 | 16.0 | 40 | 60 - 800 | 15 pcs | 11.04g |
| D | 31.5 | 19.0 | 40 | 80 - 800 | 12 pcs | 17.18g |
| D/32X15 | 31.5 | 15.0 | 40 | 110 - 800 | 12 pcs | 16.41g |
| E | 40.0 | 25.0 | 40 | 110 - 900 | 10 pcs | 23.40g |

## Hexagonal / Double Angle

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (inches) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| AA | 13.0 | 10.0 | 40 | 54 - 239 | 17 pcs | 3.70g |
| BB | 16.5 | 13.0 | 40 | 54 - 348 | 21 pcs | 6.00g |
| CC | 22.0 | 17.0 | 40 | 55 - 348 | 18 pcs | 11.24g |

## Narrow / Wedge

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (mm) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| SPZ | 9.7 | 8.0 | 40 | 1350 - 6000 | 25 pcs | 2.80g |
| SPA | 12.7 | 10.0 | 40 | 1350 - 6000 | 17 pcs | 3.44g |
| SPB | 16.3 | 13.0 | 40 | 1400 - 24000 | 24 pcs | 5.71g |
| SPC | 22.0 | 18.0 | 40 | 1400 - 24000 | 18 pcs | 10.38g |
| 3V | 9.0 | 8.0 | 40 | 1350 - 6000 | 29 pcs | 2.06g |
| 5V | 15.0 | 13.0 | 40 | 1400 - 24000 | 25 pcs | 5.86g |
| 8V | 25.0 | 23.0 | 40 | 1400 - 24000 | 16 pcs | 14.90g |

## Raw Edge Cogged - Classical

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (inches) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| ZX | 10.3 | 8.0 | 38 | 19 - 73 | 45 pcs | 1.72g |
| AX | 12.7 | 8.8 | 38 | 19 - 73 | 35 pcs | 2.34g |
| BX | 16.9 | 11.0 | 38 | 25 - 200 | 26 pcs | 3.92g |
| CX | 22.0 | 13.0 | 38 | 25 - 200 | 21 pcs | 6.50g |

## Raw Edge Cogged - Wedge

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (mm) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| XPZ | 9.7 | 8.0 | 38 | 500 - 1800 | 45 pcs | 2.00g |
| XPA | 12.7 | 10.0 | 38 | 500 - 2400 | 37 pcs | 2.80g |
| XPB | 16.3 | 13.0 | 38 | 700 - 5400 | 27 pcs | 4.92g |
| XPC | 22.0 | 18.0 | 38 | 700 - 5400 | 22 pcs | 9.19g |
| 3VX | 9.0 | 8.0 | 38 | 500 - 1800 | 45 pcs | 1.67g |
| 5VX | 15.0 | 13.0 | 38 | 700 - 5400 | 27 pcs | 4.52g |

## Raw Edge Plain / Laminated

| cross section | top width (mm) | thickness (mm) | angle (o) | length range (inches) | minimum quantity | gram/inch |
|---|---|---|---|---|---|---|
| REP Z | 10.3 | 8.0 | 38 | 19 - 110 | 48 pcs | 2.05g |
| REP A | 12.7 | 8.2 | 38 | 19 - 110 | 39 pcs | 2.91g |
| REL Z | 10.3 | 8.0 | 38 | 19 - 110 | 48 pcs | 2.05g |
| REL A | 12.7 | 8.2 | 38 | 19 - 110 | 39 pcs | 2.91g |

## Multi - Rib

| section | pitch (mm) | height (mm) | angle (o) | length (mm) | gram/inch |
|---|---|---|---|---|---|
| PJ | 2.34 | 3.5 | 40 | 400 - 4000 | 0.0120g |
| PK | 3.56 | 5.5 | 40 | 400 - 4000 | 0.0183g |
| PL | 4.70 | 7.0 | 40 | 400 - 4000 | 0.0240g |
| PM | 9.40 | 13.0 | 40 | 400 - 4000 | 0.0480g |

# brand & production facility

## Our Brand

MAX BELT
Power Transmission Belts

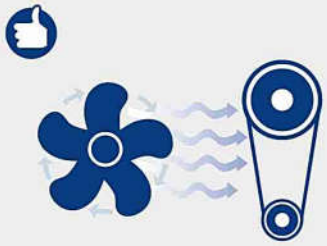
MITSUISUMI
Power Transmission Belts

## Production Line & Laboratory

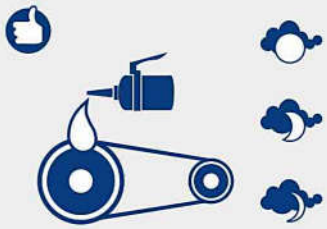

# troubleshooting & belt maintenance

| problem | possible cause | corrective action |
|---|---|---|
| *Belt Slippage* | Lack of tension | Increase tension |
| | Overloaded drive | Reduce load or redesign drive |
| | Worn sheave grooves | Replace sheave |
| | Oily drive conditions | Clean up drive |
| *Belt turn over* | Misaligned drive | Realign shafts and sheaves |
| | Worn sheave grooves | Replace sheave |
| | Heavy Impluse loads | Use spring-load idler or banded v-belt |
| | Excessive vibration | Tension v-belt |
| | | Consider use of banded v-belt |
| | Broken cords caused by prying over sheave | Replace belts |
| | | Do not pry belts over sheave |
| *Rapid belt wear* | Worn sheave grooves | Replace sheave |
| | Overloaded drive | Reduce load or redesign drive |
| | Sheaves misaligned | Correct alignment |
| | Mismatched belts | Replace with matched belts |
| | Belt slippage | Increase tension |
| | Sheave diameter too small | Redesign drive |
| *Belt separated* | Foreign materials in drive | Provide drive guard |
| | Belt slippage | Increase tension |
| | Heavy shock loads | Recheck drive design |
| | Belts damaged during installation | Install new belts properly |
| *Belt stretch* | Under designed drive | Redesign drive |
| | Excessive drive tension | Use proper tension |
| | Broken cords during operation | Replace all belts with new matched set |
| | Insufficient take-up | Readjust take-up |
| *Belt squeal* | Belt slippage | Increase tension |
| | Insufficient arc of contact | Increase center distance or redesign drive |
| | Overloaded drive | Redesign drive |
| *Belt bottom cracks* | High surrounding temperature | Provide ventilation |
| | Sheave diameter too small | Redesign drive |
| | Belt slippage | Increase tension |
| *Overheated bearings* | Belt slippage | Increase tension |
| | Excessive drive tension | Tension drive properly |
| | Underdesigned bearings | Redesign bearings |

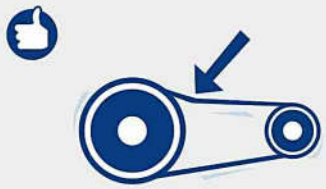
Check the pulley for alignment. Incorrect alignment may result in a shorter belt life.



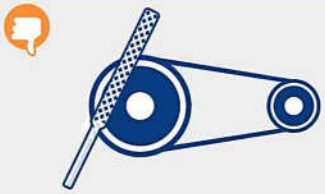
Airtight cover may shorten belt life because it prevents heat radiation. Keep proper ventilation.



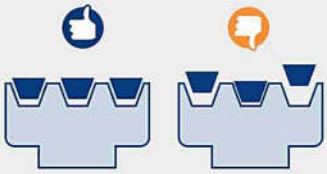
Check the metals and bearings of pulleys for periodic oiling.



After a few days running the belt, readjust take-up if necessary.



Check the pulley for wear and remove any rust, dirt or grease causing belt wear.



Check the pulley grooves to be sure they are all equal in dimensions.

# distribution network

## Exported to :

Albania
Bangladesh
Cambodia
Chile
China
Cyprus
DR Congo
Denmark
Egypt
Ethiopia
Fiji
Iraq
Italy
Jordan
Kazakhstan
Kuwait
Malawi
Malaysia
Myanmar
Nicaragua
Pakistan
Peru
Russia
Saudi Arabia
Singapore
Sri Lanka
Taiwan
Tanzania
Thailand
Turkey
Uganda
UAE
Vietnam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