LINE-UP OF
POWER TRANSMISSION PRODUCTS

To give attentive consideration
to both humanity and nature.

Revised April 2008
# References for Selecting Power Transmission Products

## Line-up of MITSUBISHI Power Transmission Products

### Drive classification

<table>
<thead>
<tr>
<th>Positive drive</th>
<th>Frictional drive</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Synchronous belts</strong></td>
<td><strong>V-belts</strong></td>
</tr>
<tr>
<td>OA, Home appliance</td>
<td>OA, Home appliance</td>
</tr>
<tr>
<td>Industrial</td>
<td>Agricultural</td>
</tr>
<tr>
<td><strong>Rubber</strong></td>
<td><strong>Material</strong></td>
</tr>
<tr>
<td>Round tooth</td>
<td>High power rating</td>
</tr>
<tr>
<td>High power rating</td>
<td>Heat resistance</td>
</tr>
<tr>
<td>Heat resistance</td>
<td>Bending flexibility</td>
</tr>
<tr>
<td>Bending flexibility</td>
<td></td>
</tr>
<tr>
<td><strong>Mitsubishi</strong></td>
<td><strong>Profiles</strong></td>
</tr>
<tr>
<td>H Series</td>
<td>H Series</td>
</tr>
<tr>
<td>S1M, S2M, S3M, SSM</td>
<td>S1M, S2M, S3M, SSM</td>
</tr>
<tr>
<td><strong>Section</strong></td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td>MTG</td>
<td>MTG</td>
</tr>
<tr>
<td>SSM, MY, MF, XY, XR</td>
<td>SSM, MY, MF, XY, XR</td>
</tr>
<tr>
<td><strong>Application fields</strong></td>
<td><strong>Performance characteristics</strong></td>
</tr>
<tr>
<td><strong>Drive classification</strong></td>
<td><strong>Brand name</strong></td>
</tr>
<tr>
<td><strong>Sections</strong></td>
<td><strong>Picture’s No.</strong></td>
</tr>
<tr>
<td><strong>Belts</strong></td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td><strong>Application fields</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### Frictional drive

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RPM</strong></td>
<td><strong>Material</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### Synchronous belts

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### V-belts

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### Round belts

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### Special belts

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### Coupling

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

### HS-Drive

<table>
<thead>
<tr>
<th><strong>Drive classification</strong></th>
<th><strong>Application fields</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Profile</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
<tr>
<td><strong>Profile</strong></td>
<td><strong>Inlet pressure resistance &amp; Heat power rating</strong></td>
</tr>
</tbody>
</table>

---

*Note: The above table is a simplified representation of the MITSUBISHI Power Transmission Products line-up. For detailed specifications and applications, please refer to the official MITSUBISHI Power Transmission Products catalog.*
<table>
<thead>
<tr>
<th>Application Characteristics</th>
<th>Ambient Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Horsepower Rating</td>
<td>Heat Resistance</td>
</tr>
<tr>
<td>Compact Drive</td>
<td>Cold Resistance</td>
</tr>
<tr>
<td>Easy Mounting/Drum/Pulley</td>
<td>Water Resistance</td>
</tr>
<tr>
<td>High-Speed Drive</td>
<td>Oil Resistance</td>
</tr>
<tr>
<td>Multi-Pulley Drive</td>
<td>Acid Resistance</td>
</tr>
<tr>
<td>Spooling process</td>
<td>Alkali Resistance</td>
</tr>
<tr>
<td>Smooth Drive</td>
<td>Anti-Oxidation</td>
</tr>
<tr>
<td>Variable Speed Drive</td>
<td>Noise</td>
</tr>
<tr>
<td>Back-side Drive</td>
<td>Vibration</td>
</tr>
<tr>
<td>Back-side slip</td>
<td></td>
</tr>
<tr>
<td>Misalignment</td>
<td></td>
</tr>
<tr>
<td>Shock Load</td>
<td></td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Excellent</th>
<th>Good</th>
<th>Poor</th>
<th>Not applicable</th>
</tr>
</thead>
</table>
INDUSTRIAL BELTS

**Positive Drive**

1) **SUPER TORQUE G**
Timing belt with round shape tooth profile which provides high power transmission. Expands timing belt application fields. Replaces conventional chain and gear drives.
- Wider application ranges with higher power transmission capacity.
- Longer service life.
- Lower noise level.
- Cost saving.

2) **SUPER TORQUE GN**
Small tooth pitch belt with advantages of Super Torque G. Suitable for smoother drive applications.
- Flexible belt permits smaller pulley diameters.
- Noisless and longer service life by smooth engagement between pulley and belt.
- Higher torque transmission by small size belt.
- Assures higher positioning accuracy.

3) **"H" SERIES**
Round-shape belt tooth enables the distribution of the load stress uniformly over the entire belt tooth. Since the belt tooth engages with the pulley groove without any interference, stress concentration at the root of the belt tooth can be eliminated.

4) **TIMING BELT G**
Suitable for synchronous drives. Removes disadvantages of chain and gear drives.
- High power transmission capacity with higher transmission efficiency.
- Lower noise generation as compared with chain or gear drives.
- No maintenance required.
- Lightweight, thin and flexible characteristics allow space saving drive design.
- The ambient temperature range for operation of the standard belt is -30 to +90°C. Static conductive.

5) **G & U**
The power rating is about 2 times as high as rubber timing belt (Same profile pitch), when using the same pulley.
- Compact design.
- High power transmission.
- Lower Noise.

6) **LONGSIZE, OPEN END BELT**
Recommended for long center distance drives.
- Suitable for slipless, synchronous material handling applications.
- Suitable for long center-distance, light duty synchronous drives.

7) **LONGSIZE, ENDLESS BELT**
Recommended for long center-distance drives.
- Suitable for slipless, synchronous material handling applications.
- Suitable for long center-distance, light duty synchronous drives.

8) **FREE-SPAN, OPEN END BELT**
Thermoplastic polyurethane belt suitable for long center-distance, synchronous back and forth drives.
- Permits larger degree of freedom in belt drive design.
- Suitable for slipless, synchronous materials handling applications.
- Suitable for long center-distance, light duty synchronous drives.
- Lubrication-free, clean drives.

9) **DOUBLE SIDED TG**
(Polyurethane)
Polyurethane belt with teeth on both faces. Recommended for positive, multi-pulley drives.
- Suitable for slipless, positive multi-pulley drives.
- Since special tooth profiles with different tooth pitches can be molded on back face, a wide variety of multi-pulley drives can be designed.
- Lighter than chains and gears. Suitable for high speed drives. Space saving.

10) **DOUBLE SIDED TG (Rubber)**
Provided with symmetrical teeth on both sides, this belt is suitable for positive, multi-pulley drives.
- Recommended for slipless, positive multi-pulley drives.
- Lighter than chains and gears. Suitable for high speed drives. Space saving.
- Maintenance free.
Frictional Drive

Conventional V-belt/RED V-belt

11) STANDARD V-belt / RED V-belt
Most widely used power transmission belt. Economical and easily obtained for replacements.

- "SET FREE" provides assured belt length matching and easy inventory control.
- High power capacity Red V-belts are heat & oil resistance, plus static conductive.

Conventional V-belt

12) MULTI V
Multiple strands of standard/Red V-belts are inseparably joined, providing transverse rigidity.

- Suitable for compressors, crushers and other tough machines where belt whip, turn-over is caused by pulsating shock load.
- Useful for material handling applications by using back faces of the belts.

Conventional rawedge cogged V-belt

13) VX
Rawedge cogged V-belt designed for industrial use.

- High capacity power transmission with space saving.
- Cogged profile yields greater belt flexibility and allows smaller pulley diameters.
- Suitable for heavy duty, high speed drives.
- High power transmission efficiency saves energy.

Conventional rawedge cogged V-belt

14) MULTI VX
Consists of VX type V-belts joined with tie band.

- Offers stable, vibration-free drives under pulsating shock loads.
- Cogged construction assures use of smaller pulley diameters than conventional V-belt drives.
- Suitable for vertical shaft drives such as mixers, agitators without belt jumping off the pulley.

Conventional rawedge cogged V-belt

15) MAXSTAR WEDGE, NARROW V
Offers high power transmission capacity with specially designed narrow top-width profile.

- Permits space saving drive designs and lower energy consumption.
- High speed drives up to 40 m/sec.
- Designed as "SET FREE" to allow multi-strand drives.
- Wedge pulleys with bushings offer easy installation.

Conventional rawedge cogged V-belt

16) MAXSTAR WEDGE SUPREME
Consists of MAXSTAR WEDGE V-belts joined with tie band.

- Does not turn over or run off the pulley even under heavily pulsating load conditions.
- Offers stable driving even in long center distance drive application.
- Applicable to vertical shaft drives with out belt running off the pulley.

Narrow V-belt

17) MAXSTAR WEDGE SUPREME, NARROW RAW EDGE, COGGED V BELT
Rawedge cogged MAXSTAR WEDGE V-belt.

- Combines advantages of both wedge belt and rawedge cogged belt. High power transmission capacity belt.
- Permits economical and space saving drive design.

Narrow V-belt

18) MAXSTAR WEDGE SUPREME
Supreme
Consists of MAXSTAR WEDGE SUPREME V-belts joined with tie band.

- High power transmission belt that resolves the problems such as belt turning-over and belt running-off the pulley raised by multi-strand belt drives.
- Offers stable operation even under pulsating high shock load condition.

V-ribbed belt

19) RIBSTAR G
Combines high power transmission capacity of V-belt and flexibility of flat belt.

- Suitable for high speed, high efficiency drives.
- Flexibility allows smaller pulley diameters.
- Heat and wear resistant.
- Minimizes belt vibration and provides space saving drive design.

High tension flat belt

20) FLEXSTAR
Its high power transmission capacity allows space saving drive design and reduces maintenance cost.

- High speed drive up to 60 m/sec. is possible with lower vibration and noiseless running.
- Heat and oil resistant. Also static conductive.
- Smaller belt stretch reduces belt retensioning intervals. Also allows low-cost belt drives.
INDUSTRIAL BELTS

Frictional Drive

21) SUPER FLEXSTAR
High cord tension flat belt
Suitable for compress. Three types are available. FU for low pressure, FW for high pressure, FY for oil resistance.
- Abrasion resistance, high strength.
- Use for conveyor application except compressed.

22) FREE-Span FLAT BELT
Thermoplastic polyurethane Flat belt
This flat belt is applicable to conveying of light weight products and lifting up and down of elevating machine. Steel wire cords provide low stretch and few variation of length corresponding to change in temperature and humidity.

23) POLYMAX
Wide angle polyurethane V-belt

3M - 5M - 7M - 11M

60° angle series wide angle belt.
- Suitable for high speed, smooth drives with minimum vibration.
- Allows space saving drive design.
- Smaller belt stretch and shrinkage offer maintenance-free operation.
- Long service life with weather resistance.

24) MULTI POLYMAX
Wide angle polyurethane V-belt

RSM - R7M - R11M

Back faces of POLYMAX V-belts are joined with poly-amide fabric and polyurethane.
- Stable running.
- High-speed drives with reduced vibration.
- Smaller stretch offers maintenance-free operation.

25) Perforated V-belt
Standard V-belt

M - A - B - C

Open-ended V-belting with joint holes can be adjusted to required length simply with splicing bracket.
- Recommended for temporary use when the existing V-belt has to be replaced urgently.
- Permits easy belt replacement without requiring machine disassembly.
- Belt length for multi-strand drive can be adjusted easily.
- Can be used for material handing purposes with multi-strand drive.
- Suitable for trial running of machines.

26) STAR ROPE (Φ2-Φ15) / Prene V (M · A · B) / Prene HEXAGON (AA · BB) / SUPER STAR ROPE (Φ2-Φ15)
Prene rope
Open-end polyurethane belting.
- Suitable for complicated drives such as multi-pulley drives, multi-directional drives, etc.
- Easily joined by hot melt method. Required belt length can be easily obtained.
- Abrasion, oil and weather resistant.

27) RCVS
Rawedge cogged variable speed belt
Specially designed for variable speed applications.
- Flexible and side pressure resistant.
- Heat, oil, chemical and abrasion resistant.
- Longer service life with higher flexibility.

Top width 10～120mm

28) SUPER VS
Rawedge cogged variable speed belt
High efficiency, precision, long-life belt designed for variable speed applications.
- Smaller stretch and high flexibility characteristics allow space saving belt drive design.
- Permits accurate and smooth speed change.
- Oil, heat and side wall pressure resistant.

29) DCVS
Double cogged variable speed belt
Belt designed for high-horsepower applications or compact drives.
- High power transmission capacity with higher side wall pressure resistance.
- Oil, heat and abrasion resistant.

Top width 20～120mm

30) SPECIAL PORT/PORT/HARBOR
Flat belt
Strong belt consisting of best quality cotton fabric.
- Resistant to frequent bendings with minimum stretch and shrinkage.
- Heat, water and oil resistant.
OFFICE AUTOMATION & HOME APPLIANCE MACHINERY BELTS

Positive Drive

Timing belt 31) SUPER TORQUE GN
- Consisting of round shape tooth profile, this belt is best suited to high precision, smooth drives for computers, OA equipment, etc.
- Flexible belt permits smaller pulley diameters.
- Smooth for noiseless engagement with pulleys.
- Useful for lower shaft load drives.
- Larger torque can be transmitted by smaller size belt.

Timing belt 33) TIMING BELT G
- Synchronous drive belt that resolves the problems raised by chain and gear drives.
- Shorter tooth pitch belts are suitable for precision devices and information apparatuses.
- Light-weight, thin and flexible belt permits space saving drive design.
- Offers high efficiency, high speed drives.
- Lower noise as compared to chain and gear drives.
- Maintenance-free.

Timing belt 34) SUPER TORQUE U
- Consisting of round shape tooth profile and polyurethane, this belt is suitable for clean drive and OA equipments etc.
- Flexible belt permits smaller pulley diameters.
- Smooth for noiseless engagements with pulleys.
- This belt has fine appearance and does not stain peripheral devices.
- The most suitable is for high precision and light duty power transmission.

Timing belt 35) TIMING BELT U
- Polyurethane belt suitable for use in clean environments.
- Best suited to high precision, light duty power transmissions.
- Suitable for paper feeding, since this belt has a fine appearance and does not stain peripheral devices.
- Since no rubber powder comes off, clean transmissions can be obtained.
- Special belt configurations are available on request.

Timing belt 37) STARMAX U
- Since the ST profiles are designed for smooth meshing by reducing interference between belt and pulley at meshing and have almost zero backlash, these belts are suitable for use in accurate positioning.
- Dust free, clean drive.
- Flexible belt permits smaller pulley diameter.
- Suitable for printer carriage drive.

Frictional Drive

High efficient flat belt 38) FLEXSTAR "J"SERIES
- Suitable for ATM, automatic ticket machine and exchanging machine. The thickness of the belt will be supplied up to 0.65mm. Two type low modulus spec. (JLJLB) and high modulus spec. (JGFA, JGGE, J8H, J8HB, J6H, J6HB, J3H, J3HB)-are available.
- Abrasion resistance, heat resistance, oil resistance anti-oxidation.
- Easy to installation because of flexibility.

V-ribbed belt 39) RIBSTAR G
- Combines advantages of both V-belt and flat belt.
- Suitable for large speed ratio drives.
- Flexibility allows for smaller diameters.
- Suitable for drives with larger speed ratios.
- Heat and abrasion resistant.
Frictional Drive

V-ribbed belt

41) RIBSTAR U
Polyurethane belt with advantages of both flat belt and V-belt.
• Since nylon cord is used as tensile member, this belt is flexible and can be used with small diameter pulleys (20 mm min.). Less bending fatigue.
• Offers smoother rotation with minimum vibration.
• Suitable for high speed drives.
• Abrasion, oil and ozone resistance.

Light duty V-belt

42) POLYURETHANE V
Transparent polyurethane belt with tension member of strong, low stretch synthetic cords. Minimizes rubber dust generation.
• Wear resistance. Minimizes rubber dust. Offers clean drives.
• Oil resistance.
• Highly abrasion resistance in spite of higher coefficient of friction.

Light duty V-belt

43) POLYURETHANE MB
Small size, light duty transparent polyurethane belt.
• Higher flexibility allows smaller pulley diameters.
• Higher abrasion resistance offers clean drives.
• Oil resistance.

Wide angle V-belt

44) POLYMAX 60° angle series wide angle
Polyurethane V belt.
• Suitable for high speed, smooth operations with minimum vibration.
• Allows space saving drives design.
• Lower stretch provides maintenance-free operations.
• Weather resistance and long service life.

Conventional V-belt

45) STANDARD V
Most widely used power transmission belt. Economical, and easily available for replacement.

Conventional V-belt

46) BARE BACK V
Minimum quantity of rubber is attached to belt surface.
• Rubber abrasion is minimized. Keeps machines and peripheral areas clean.

Less Thickness V-belt

47) FHP
Light duty V-belt with reduced thickness.
• Highly flexible. Suitable for back side idler applications.
• Allows smaller pulley diameters compared to drives with standard V-belts.
Frictional Drive

Conventional V-belt

49) Standard V
Generally used in agricultural machinery. (Use other type belts under tough drive conditions.)
- Economical. Available in various sizes.
- Designed as “SET FREE” to permit multiple belt drives without matched set.

50) NEW ORANGE A/ SUPER GOLD 1000 B
Developed specially for agricultural applications.
- Highly flexible. Suitable for small pulley/reverse bend drives.
- Resistant to heavy shock load of agricultural machinery.
- Resistant under higher temperature conditions in agricultural machinery.

Conventional - Less Thickness V-belt

51) AG SERIES
This belt meets special quality requirements for agricultural machinery.
- Meets most requirements, such as shock resistance, flexibility, reverse bending capability and heat resistance.
- Belt quality grades of AG1 through AG10 can be selected so as to fulfill various functional requirements.

52) DOUBLE V-BELT
Both bottom and top faces can be used for power transmission.
- Best suited to multi-pulley drives.
- Highly flexible.

Less Thickness rawedge cogged belt

53) ORANGE COG
Rawedge cogged belts developed for agricultural machinery applications.
- Excellent flexibility permits space saving design with smaller pulley diameter.

54) SUPER ORANGE COG
Rawedge cogged ORANGE belt was further improved for agricultural machinery applications.
- Minimizes belt stretch.
- Resistant to side pressure. Has high power transmission capacity.

55) BARE BACK V
This belt was developed for effective functioning of belt type clutches used in agricultural machinery.
- Low coefficient of friction belt surface guarantees smooth belt clutching.
- Lower friction coefficient on belt sides prevents sudden start.

56) PERFORATED V-BELT
Open end belt can be jointed to be necessary length easily with splicing metal.
- Useful for urgent v-belt replacement (for temporary use.)
- Allows easy belt replacement without machine disassembly.
- Belt length can be easily adjusted.
- Useful for material handling purposes with multiple shaft drive.
- Economical belt inventory.

Special V-belt

57) V-BELT WITH LUGS
Back side of belt is configured with necessary shapes of projections.
- Useful for feeding and discharging straw in such agricultural machinery as combine, binder, grain thresher, harvester, etc.

58) V-ROPE WITH LUGS
V-belt with joint holes with projections on the back face.
- A-type open end V-belt is usually used for base belt.
AGRICULTURAL BELTS

Frictional Drive

59) SPECIAL PORT/PORT/HARBOR/ECHO/PIONEER/STICK BAND
- Strong flat belt consisting of best quality cotton fabric.
- Excellent flexibility with minimum stretch and shrinkage.
- Heat, water, and oil resistant.

60) DRYFLEX/FLAT BELT WITH V-SHAPED ATTACHMENT.
- The DRYFLEX is mounted with buckets and used for lifter in dryer, rice cleaning machine, rice huller, etc.
- Lower stretch/shrinkage extends belt retensioning interval and reduces take-up stroke.

61) AGVS
- Wrapped belt developed as a variable speed belt for large agricultural machinery.
- Resistant to shock loads and vibration.
- High abrasion resistance provides longer service life.

62) RCVS
- Rawedge cogged variable speed belt
- High power transmission capacity, rawedge cogged variable speed belt for large agricultural machinery.
- Excellent side wall pressure resistance provides longer service life.
AUTOMOTIVE BELTS

Positive Drive

Timing belt
63) MFTG(Round tooth)
Timing belt for driving Over Head Camshaft in automotive engine. Installed inside engine compartment as an important functional component.
- Tension member is the secret of the belt’s strength and resistance to elongation.
- Heat, oil and abrasion resistance.
- Smooth engagement of belt with pulley allows high speed operation.

Timing belt
64) MFTG(Trapezoidal tooth)
OHC drive timing belt that overcomes severe operating condition in engine compartment.
- High tensile strength gives remarkably small belt stretch.
- Heat, oil and abrasion resistance.
- Permits lightweight drive design with lower noise as compared to chain drives.

Frictional Drive

Rawedge V-belt
65) REMF
Fabric free side face, flexible belt developed for automotive applications.
- Mainly used for driving fans, alternators and airconditioners.
- Heat and oil resistant.
- Large gripping capacity reduces belt slip. High power transmission capacity belt.

Rawedge V-belt
66) MPMF
Laminated fabric construction provides smooth and noiseless drives.
- Large gripping capacity reduces belt slip.
- Smaller stretch reduces belt noise.
- Abrasion, shock, bending and crack resistance extends belt service life.
- Also heat resistance.

Rawedge V-belt
67) RAWEDGE COGGED V-BELT (RECMF)
Mainly used belt for heavy trucks and buses because of its longer service life.
- Excellent flexibility permits smaller pulley diameters and reduces energy consumption caused by bending.
- Performance remains unchanged even in high-speed operations.
- Heat and oil resistant provides longer service life.
- Smaller stretch offers maintenance free operation.

V-ribbed belt
68) RIBSTAR G
V-ribbed belt that combines the high power transmission capacity of V-belt and the flexibility of flat belt. Specially designed to fulfill various functional requirements as automotive belt, such as lower energy consumption and longer service life.
- Have higher power transmission capacity.
- Flexibility allows multi-pulley drives.
- Allows high speed drives with smaller pulley diameters.
- Heat and abrasion resistance.
- Minimized belt stretch.

Rawedge cogged variable speed belt
69) RCVS
Variable speed belt for use in motorcycles, snowmobiles and golf carts.
- Excellent flexibility and side wall pressure resistance allow smaller pulley diameters.
- Excellent in heat, oil and abrasion resistance.
- Flexible characteristics provides longer service life.

Wide angle flat cogged
70) WFC
Wider angle (52°) as compared with standard. Cogged profile allows improvement of bending fatigue resistance.
POWER TRANSMISSION PRODUCTS

Pulleys

71) BUSHING PULLEY
Applicable to MAXSTAR WEDGE V-belt. Easily assembled/disassembled with a spanner.
- Damage to shaft can be avoided. This extends shaft life.
- No bore finish is required while installation.
- Pulley position can be adjusted easily. Centering is also simple.

72) TIMING PULLEY
Efficient power transmission by timing belt can only be attained by smooth engagement between a high precision belt and accurately machined pulleys.
- Finished by hub-cutter, the pulleys assure desirable power transmission.
- Optional requirements in material, shape and finishing are available on request.

Coupling

73) HYPER FLEX COUPLING
Two types-MT and MH-are available. The MT type utilizes compressive stress in elastic rubber.
MT type:
- Smaller sized offers larger torque transmission capacity. General purpose coupling
- Can be installed easily. Maintenance free,
- Oil and abrasion resistant polyurethane elastic spiders are also available as stock.
MH type:
- Large flexibility damps impact loads.
- Applicable as torque limiters.

74) CHEMI-CHAN
Since the coupling prevent the oscillation of servo motor and up the gain, accuracy in positioning will be improved.
- Non backlash.
- Suitable for X-Y table with ball screw and semi-conductor production equipment.
Global Factories & Sales Offices

Offices and plants

- **Kobe Head Office**
  4-1-21 Hamazoe-dori
  Nagata-ku, Kobe 653-0024
  Tel: +81-78-671-5071  Fax: +81-78-685-5670

- **Tokyo Head Office**
  2-3-4 Nihonbashi
  Chuo-ku, Tokyo 103-0027
  Tel: +81-3-8190-9131  Fax: +81-3-812-9370

- **Sapporo Sales Office**
  3-17 Toyocho 2-jo
  Toyocho-ku, Sapporo 062-0902
  Tel: +81-11-812-9370

- **Fukuoka Sales Office**
  1-3-1 Itazuke
  Hakata-ku, Fukuoka 816-0088
  Tel: +81-92-441-2739  Fax: +81-92-412-1497

- **Hiroshima Sales Office**
  2-2-39 Sakurao
  Hatsuji-ku Hiroshima 738-0004
  Tel: +81-829-32-9292  Fax: +81-829-32-9294

- **Nagoya Plant**
  1818 Oaza-Nishinoshima
  Komaki 485-0077
  Tel: +81-568-74-1211  Fax: +81-568-74-1201

- **Kobe Plant R&D center**
  4-1-21 Hamazoe-dori
  Nagata-ku, Kobe 653-0024
  Tel: +81-78-671-5071  Fax: +81-78-671-8879

- **Shikoku Plant**
  2893 Tsuda, Tsuda-cho
  Sanuki, Kagawa 769-2401
  Tel: +81-879-42-3180  Fax: +81-879-42-3186

- **Shiga Plant**
  100-2 Terrakubo, Makino-cho
  Takashima, Shiga 520-1834
  Tel: +81-740-27-0133  Fax: +81-740-27-1870

- **Ayabe Production System Development Center**
  7-1 Shiroyama-cho
  Ayabe, Kyoto 623-0003
  Tel: +81-773-43-3051  Fax: +81-773-43-3061

Overseas manufacturing and distribution bases

- **MBL (USA) Corporation**
  601 Dayton Road, Ottawa IL 61350-9535 USA
  Tel: +1-815-434-1282  Fax: +1-815-434-2897

- **MBL (Europe) B.V.**
  Energieweg 3 2382 NA Zoeterwoude, Holland
  Tel: +31-71-5899264  Fax: +31-71-5895062

- **MBL Antriebstechnik Deutschland GmbH**
  Bussardweg 10 D-41468 Neuss, Germany
  Tel: +49-2131-740940  Fax: +49-2131-740942

- **MOI Tech Europe Sp.z.o.o.**
  Budynek B ul.3-go Maja 05-800 Pruszczow, Poland
  Tel: +48-22-7383930  Fax: +48-22-7383939

- **MITSUBOSHI OVERSEAS HEADQUARTERS PRIVATE LIMITED**
  14 Jurong Port Road Singapore 619091
  Tel: +65-6265-3933  Fax: +65-6265-0965

- **Mitsubishi Belting Philippines Corporation**
  Mulawihan Road, Lawang Bato Valenzuela Metro Manila, The Philippines
  Tel: +63-2-244-4105  Fax: +63-2-244-4109

- **Mitsubishi Belting(Thailand)Co.,Ltd.**
  101/62/12 Moo 20 Navianokorn Phaholyothin Road, Klong Nueng Klong Luang, Patumtanne 12100, Thailand
  Tel: +66-2529-0691/4  Fax: +66-2529-0695

- **Stars Technologies Industrial Ltd.**
  Eastern Seafood Industrial Estate 60/40 Moo 4, Tambon Pluakdaeng, Amphur Pluakdaeng, Rayong 21140, Thailand
  Tel: +66-3895-4738  Fax: +66-3895-4740

- **P.T. Mitsubishi Belting Indonesia**
  Km. 8 Raya Serang JN, Industri Raya Blok D No. 4
  Desa Pasir Jaya, Jatiwang Tangerang, Indonesia
  Tel: +62-21-5902070  Fax: +62-21-5902071

- **P.T. Seiwa Indonesia**
  Blok M-2-2, Kawasan Berikat MM2100 Industrial Town, Cibitung, Bekasi Jawa Barat 17520, Indonesia
  Tel: +62-21-898-0324  Fax: +62-21-898-0325

- **MBL Shanghai International Trading Co., Ltd.**
  Rm.202, Block 3, Shanghai Withub White-cat, Science Park.NO. 614 Tianshan Road, Shanghai 200336, China
  Tel: +86-21-5206-7008  Fax: +86-21-5206-7011

- **Suzhou Mitsuboshi Belting Co., Ltd.**
  277 Liangang Road Suzhou New District Jiangsu, 215129, China
  Tel: +86-512-6665-8880  Fax: +86-512-6665-8896

- **MOI Tech Hong Kong Ltd.**
  Unit No.1002, 10/F., Manhattan Centre 8
  Kwai Cheong Road, Kwai Chung, N.T., Hong Kong
  Tel: +852-2403-5978  Fax: +852-2422-8308
When using our products, please review relevant product catalog and documents, etc. and take all necessary precautions.