



MITSUBISHI

Industrial Power Transmission Products



Synchronous Power Transmission

Timing Belts
Rubber or Polyurethane
Curvilinear, Round or Trapezoidal Tooth

General Use
Office & Home Appliances
Heavy Duty Applications

TIMING BELTS

GIGATORQUE GX



Ultra heavy-duty power transmission
High-tensile strength carbon cord
Heat resistant to 250°F, low friction

Sizes	G8M, G14M
Profile	Curvilinear
Rubber	H-NBR
Cord	Carbon
Tooth	Nylon/PTFE

MegaTorque GIII



High torque, heavy-duty power transmission
Advanced rubber compound for durability
Heat, oil, and abrasion resistant

Sizes	MTS8M, MTS14M
Profile	Curvilinear
Rubber	Extra High H-NBR
Cord	Carbon
Tooth	Nylon/PTFE

MegaTorque GII

LO



High torque capacity for demanding drives
Durable construction with aramid cords
Heat, oil, and wear resistant

Sizes	MTS8M
Profile	Curvilinear
Rubber	High H-NBR
Cord	Carbon
Tooth	Nylon/Aramid

MegaTorque GIIP



Enhanced torque for heavy loads
Durable, high-strength construction
Resistant to heat, oil, and wear

Sizes	MTS14M
Profile	Curvilinear
Rubber	High H-NBR
Cord	Carbon
Tooth	Nylon/PTFE

MegaTorque G

LO



Low speed, high torque applications
Glass-fiber cord and nylon tooth fabric
Compact design, high transmission capacity

Sizes	MTS5M, MTS8M, MTS14M
Profile	Curvilinear
Rubber	H-NBR (MTS5M Chloroprene)
Cord	Glass
Tooth	Nylon

MegaTorque EX



High precision positioning accuracy
Extra high torque capacity
Low noise, long lifespan, carbon-fiber fabric

Sizes	MTS3M, MTS5M
Profile	Curvilinear
Rubber	H-NBR
Cord	Carbon
Tooth	Nylon

MegaTorque EP



Improved nylon fabric reduces tooth wear
Smooth meshing for less friction and noise
Compatible with H, GT, and RPP pulleys

Sizes	GP8M, GP14M
Profile	Curvilinear
Rubber	EPDM
Cord	Glass
Tooth	Nylon

MegaTorque U



Low speed, high torque applications
Polyurethane with aramid cord
Large transmission capacity, compact design

Sizes	MTS8M
Profile	Curvilinear
Rubber	Polyurethane
Cord	Aramid
Tooth	Polyurethane

SUPER TORQUE G

D LE LO



High torque capacity for heavy loads
Glass-fiber cord for enhanced durability
Resistant to heat, oil, and abrasion

Sizes	S2M, S3M, S5M, S8M, S14M
Profile	Curvilinear
Rubber	Chloroprene
Cord	Glass
Tooth	Nylon

SUPER TORQUE U



Polyurethane with aramid cord for durability
Resistant to heat, water, and fatigue
High power transmission, cost-efficient

Sizes	S2M, S3M
Profile	Curvilinear
Rubber	Polyurethane
Cord	Polyester/Aramid
Tooth	Polyurethane

Timing Belt G

D LE LO



High precision, reliable timing performance
Durable construction with glass-fiber cord
Resistant to heat, oil, and wear

Sizes	MXL, XL, L, H, XH, XXH
Profile	Trapezoidal
Rubber	Chloroprene
Cord	Glass
Tooth	Nylon

Timing Belt U

D

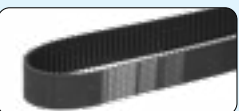


High precision for accurate timing control
Polyurethane construction with aramid cord
Excellent resistance to heat, oil, and wear

Sizes	T80, XL, L, T5, T10, AT5, AT10
Profile	Trapezoidal
Rubber	Polyurethane
Cord	Steel (T80 Aramid)
Tooth	Polyurethane

H Series Timing Belt

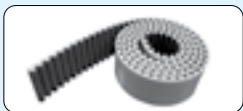
D



High power transmission capacity
Resistant to heat, water, and fatigue
Low noise, maintenance-free operation

Sizes	H5M, H8M, H14M
Profile	Round
Rubber	Chloroprene
Cord	Glass
Tooth	Nylon

FREESPAN™ HTD



HTD profile for precise power transmission
Zinc-coated steel cord for durability
Up to 100m length, -22°F to 176°F range

Sizes	HTD5M, HTD8M, HTD14M
Profile	Round
Rubber	Polyurethane
Cord	Steel
Tooth	Polyurethane

FREESPAN™ U



Trapezoid-profile for accurate timing control
Ideal for long-span, high-torque use
Durable, low-maintenance design

Sizes	T5, T10, AT5, AT10, L, H
Profile	Trapezoidal
Rubber	Polyurethane
Cord	Steel
Tooth	Polyurethane

- D** Some sizes available double-sided
- LE** Some sizes available in Long-span Endless type
- LO** Some sizes available in Long-span Open-end type

For a full listing of belt specifications and sizes, please refer to our **Industrial Power Transmission Products** catalog.



Frictional Forced Power Transmission

Some Slip Allowed
Rubber or Polyurethane
Wrapped or Raw Edge Cogged

Agricultural Use
General Industries
Office & Home Appliances

WRAPPED BELTS

Classical V-belt



Heavy-duty power transmission
Heat, oil, and flex resistant
Anti-static and easy to replace

Sizes	A, B, C, D, E	B
Rubber	NR/SBR	
Cord	Polyester	
Cover	Cotton/Polyester	

MAXSTAR POWER Classical



Aramid cords reduce stretch
Clutching cover minimizes friction/heat
Also available without clutching cover

Sizes	AK, BK
Rubber	Chloroprene
Cord	Aramid
Cover	Chloroprene (Clutching)

MAXSTAR WEDGE



Double power capacity of conventional belts
Energy-saving, compact design
Heat/oil resistant, static conductive

Sizes	3V, 5V, 8V	B
Rubber	Chloroprene	
Cord	Polyester	
Cover	Cotton/Polyester	

Narrow V-belt



Space-saving, high-speed drive
Reduced operating and maintenance costs
Oil/heat resistant, electrically conductive

Sizes	SPZ, SPA, SPB, SPC	B
Rubber	NR/SBR	
Cord	Polyester	
Cover	Cotton/Polyester	

FHP V-belt



Light duty, fractional horsepower drives
Handles backside idler drives
Heat/oil resistant, static conductive

Sizes	3L (M), 4L, 5L
Rubber	Special Compound
Cord	Polyester
Cover	Cotton/Chloroprene

SUPER KB



Aramid cords for strength and durability
Resists shock loads and high horsepower
Heat, oil, and crack resistant

Sizes	3LK, 4LK, 5LK
Rubber	Chloroprene
Cord	Aramid
Cover	Chloroprene (Clutching)

Hexagonal V-belt



Power transmission on both sides
Flexes for positive pulley contact
Oil/heat resistant, static conductive

Sizes	AA, BB, CC
Rubber	NR/SBR
Cord	Polyester
Cover	Cotton/Polyester

SUPER WEDGE II Banded



Extra heavy-duty applications
Aramid cords, clutching cover fabric
Reduced stretch, high shock loads

Sizes	5VK, 8VK	B
Rubber	Chloroprene	
Cord	Aramid	
Cover	Chloroprene (Clutching)	

RAW-EDGE COGGED

TRIPLEX



ARPM/IP-20 standard, heavy-duty
Heat, oil, and flex resistant
Economical, easy to replace

Sizes	AX, BX, CX	B
Rubber	Chloroprene	
Cord	Polyester	
Top Fabric	Cotton	

MAXSTAR POWER EP-X



EPDM rubber, PET cord for stability
Highly flexible, crack resistant
30% higher power rating

Sizes	AX, BX, CX, 3VX, 5VX SPAX, SPAX, SPBX, SPCX
Rubber	EPDM
Cord	PET
Top Fabric	EPDM

MAXSTAR WEDGE SUPREME



Double power with greater wedge effect
Compact, narrow cogged design
Oil/heat resistant, electrical conductivity

Sizes	3VX, 5VX	B
Rubber	Chloroprene	
Cord	Polyester	
Top Fabric	Cotton/Polyester	

Narrow Cogged V-belt



Enhanced power transmission efficiency
Ideal for compact design drives
High flexibility, oil/heat resistant

Sizes	SPZX, SPAX, SPBX, SPCX
Rubber	Chloroprene
Cord	Polyester
Top Fabric	Cotton

ROPE BELTS

STARROPE / SUPER STARROPE



Heat-weldable for easy joining
Resistant to abrasion, oil, and weather
High elasticity for complex systems

Sizes	ø2—ø10, ø12, ø15
Rubber	Polyurethane
Cord	N/A
Cover	Polyurethane

Plain V-rope



Durable and easy to install
Resistant to oil and wear
High hardness, high elasticity

Sizes	M, A, B
Rubber	Polyurethane
Cord	N/A
Cover	Polyurethane

Plain Hexagonal-rope



Transmits power on both sides
Flexible for serpentine drives
Heat-weldable for easy joining

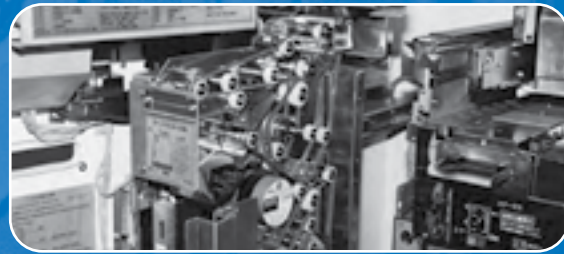
Sizes	AA, BB
Rubber	Polyurethane
Cord	N/A
Cover	Polyurethane

Perforated V-rope



Spaced perforations for easy splicing
Metal fastener for customizable length
High-strength fabric, oil and heat resistant

Sizes	M, A, B, C
Rubber	NR
Cord	Polyester
Cover	Cotton



POLYURETHANE

POLYMAX



60° wide-angle design for high power
Compact, high-speed transmission
Maintenance-free and stretch resistant

Sizes	3M, 5M, 7M, 11, M	B
Rubber	Polyurethane	
Cord	Polyester	
Cover	Polyurethane	

MB Belt



Transparent V-belt for light duty
Flexible with minimal slippage
Works with small-diameter pulleys

Sizes	MB	
Rubber	Polyurethane	
Cord	Polyester	
Cover	Polyurethane	

V-RIBBED BELTS

RIBSTAR™ G



High efficiency at high speeds
Flexible for small-diameter pulleys
Heat and abrasion resistant

Sizes	J, PK, L	
Rubber	CR/EPDM/Polyurethane	
Cord	PET	
Cover	Cotton	

RIBSTAR™ U



High flexibility with nylon cord
Ideal for small pulleys, low vibration
Resistant to flex fatigue, high speeds

Sizes	JT, JBT, HB	
Rubber	Polyurethane	
Cord	Nylon	
Cover	Polyurethane	

FLAT BELTS

FLEXSTAR™ Belt



High power transmission capacity
Compact, cost-effective design
Heat, oil, and anti-static resistant

Sizes	FL, FM, FH	
Rubber	Polyurethane	
Cord	N/A	
Cover	Polyurethane	

FLEXSTAR™ J Belt



High-precision, maintenance-free belt
Thin, flexible and seamless
Designed especially for conveyance

Sizes	See Industrial Catalog	
Rubber	Varies by elastic modulus	
Cord	Varies by elastic modulus	
Cover	Varies by elastic modulus	

SPECIALTY

SUPER VS



High power transmission efficiency
Compact design for variable speeds
Heat, oil, and wear resistant

Sizes	See Industrial Catalog	
Rubber	Chloroprene	
Cord	Polyester/Aramid	
Cover	Cotton/Nylon	

B Some sizes come in 2, 3, 4, or 5 rib banded. Please refer to our Industrial Power Transmission Products catalog for more details.

Industrial Power Transmission Products



PRODUCT CLASSIFICATION

Conventional V-belts for ARPM / IP-20

Conventional V-belts are most widely used power transmission belts. Economical and easily obtained for replacement.

Sections	Wrapped type: A / B / C / D / E
	Raw-edge cogged type: AX / BX / CX
Working temperature	Wrapped type: -40 to +158°F
	Raw-edge cogged type: -22 to +194°F
Electrical conductivity	Suitable for ARPM IP-3-3

MAXSTAR Wedge V-belts for ARPM / IP-22

MAXSTAR Wedge V-belts have double power transmission capacity of conventional V-belts due to greater wedge effect. It features high speed transmission, energy saving, and compact design.

Sections	Wrapped type: 3V / 5V / 8V
	Raw-edge cogged type: 3VX / 5VX
Working temperature	-22 to +194°F
Electrical conductivity	Suitable for ARPM IP-3-3

Narrow V-belts for DIN 7753 / ISO 4184

Narrow V-belts enable space saving, high speed drive, and reduce the cost of operating and maintenance. It features oil/heat resistance and electrical conductivity.

Sections	Wrapped type: SPZ / SPA / SPB / SPC
	Raw-edge cogged type: SPZX / SPAX / SPBX / SPCX
Working temperature	-22 to +194°F
Electrical conductivity	Suitable for ISO 1813

Banded V-belts

Banded V-belts are made up of two or more standard V-belts connected together at the top of the belts. Banded V-belts have the advantage of preventing the belts from turning over or getting thrown off the drive even when belt vibration occurs.

Sections	Wrapped type: B / C / D / 3V / 5V / 8V / SPB / SPC
	Raw-edge cogged type: BX / CX / 3VX / 5VX
Electrical conductivity	Suitable for ARPM IP-3-3

Hexagonal V-belts for ARPM / IP-21

Hexagonal V-belts are recommended for serpentine drives where the power must be transmitted by both the top and the bottom of the belts. Excellent flexibility in both directions.

Sections	AA / BB / CC
Electrical conductivity	Suitable for ARPM IP-3-3

Perforated V-belts

Perforated open-end V-belts are designed for easy installation with metal fasteners and a screwdriver. These belts are recommended for temporary use or when installation of the standard V-belts is difficult.

Sections	M / A / B / C
Electrical conductivity	Suitable for ARPM IP-3-3

Direct Connected Power Transmission

Precise Speed Control
Rubber or Polyurethane
Synchronous Operation

Industrial Machinery
Power Generation
Pumps and Compressors

COUPLINGS

HYPERFLEX™ Coupling MT



Versatile for various applications
Easy to install and maintenance-free
Resists oil and abrasion

Sizes	MT
Body	Rubber
Flange	Cast Iron

HYPERFLEX™ Coupling MT U



Compact size and high transmission torque.
Easy installation and maintenance-free use
Polyurethane body resists oil and abrasion

Sizes	MT
Body	Polyurethane
Flange	Cast Iron

HYPERFLEX™ Coupling MH



Uses shearing stress for flexibility
Functions as an efficient torque limiter
Versatile for various applications

Sizes	MH
Body	Rubber
Flange	Cast Iron

HYPERFLEX™ Coupling MH Super



High flexibility, superior shock absorption
Can be used as a torque limiter
Super-type has reinforced iron core

Sizes	MH
Body	Rubber/Iron Core
Flange	Cast Iron

Timing Pulleys

SUPER TORQUE Tooth
Trapezoidal Tooth
Custom-made Pulleys

Star Quick™ Finished Pulleys
Tapping Available
Keyway & Set-screws Optional



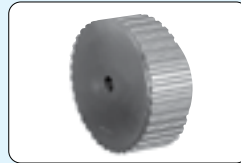
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SUPER TORQUE Tooth



Sizes	S2M, S3M, S5M, S8M, S14M
Body	Aluminum, Steel
Surface	No Treatment
Shape	Rod, A, B, C, W

Trapezoidal Tooth



Sizes	MXL, XL, L, H, T5, T10
Body	Aluminum, Steel, Sintered, Cast
Surface	No Treatment
Shape	Rod, A, B, C, W

Custom-made Pulleys



We also manufacture high-quality custom-made pulleys, including precision-processed and molded designs. Each pulley is made to order, please contact us for details.

For a full listing of pulley specifications and sizes, please refer to our **Industrial Power Transmission Products** catalog.

FINISHED

SUPER TORQUE Tooth



Sizes	S3M, S5M, S8M
Body	A2017, Steel
Surface	None, Black, Nickel, White
Shape	A, B, C

Trapezoidal Tooth



Sizes	L, H
Body	Steel
Surface	None, Black, Nickel
Shape	A, B

Metric Trapezoidal Tooth



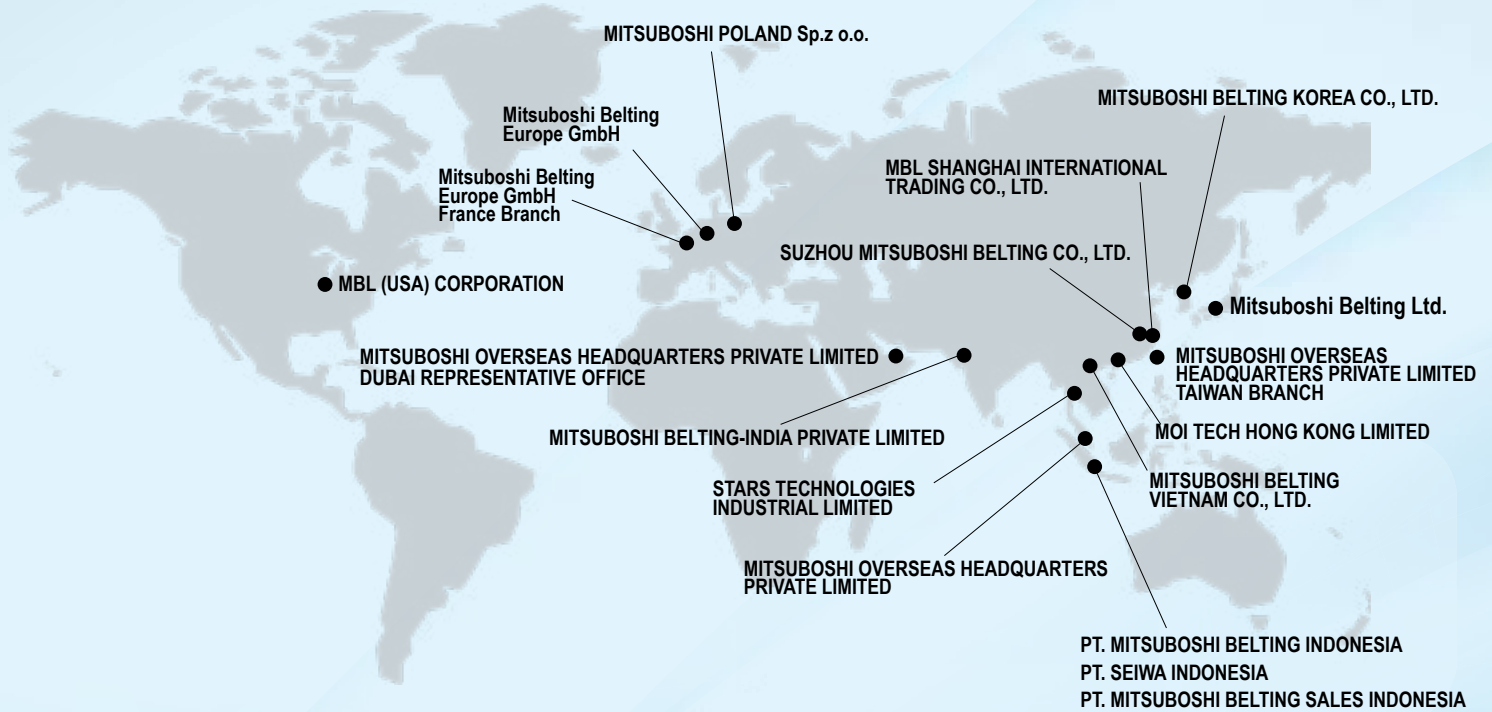
Sizes	T10
Body	Steel
Surface	None, Black, Nickel
Shape	A, B

StarQuick

Star Quick™ pulleys are precision-engineered timing pulleys designed for immediate use without the need for additional processing. CAD available in 2D and 3D. For a full listing of pulley specifications and sizes, please refer to our **Star Quick™** brochure.



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United Arab Emirates

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