

V-BELTS FOR AGRICULTURAL MACHINES

- SUPER KB
- FHP V-BELT
- CONVENTIONAL V-BELT

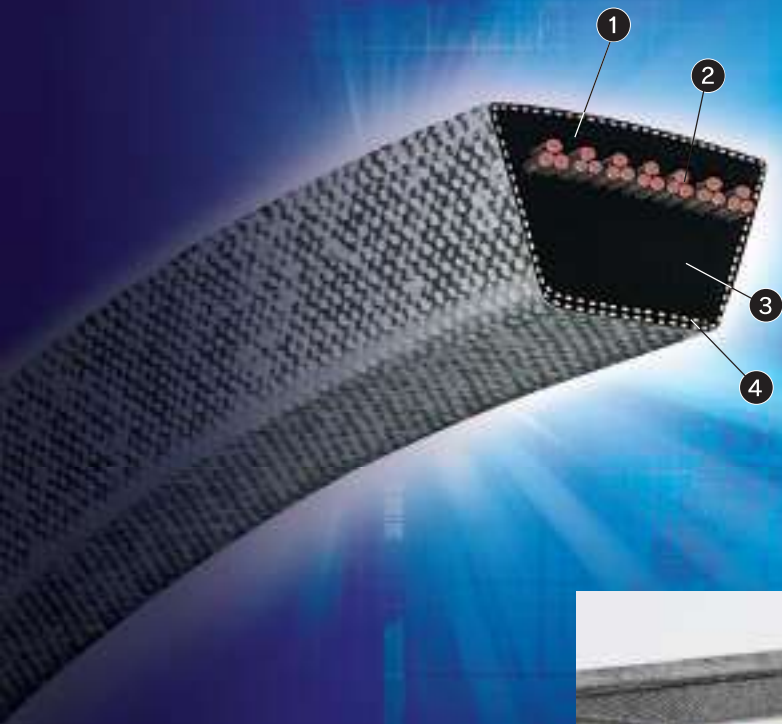

MITSUBISHI
®



To give attentive consideration
to both humanity and nature.



MBL Super KB[®]



Characteristics

- For severe operating conditions where light duty FHP belts may stretch or pull apart due to heavy shock loads
- Aramid fiber is used in the tensile cord for length stability
- Provide greater horsepower than light duty FHP belts
- Special outer covering designed for smooth and backside idler applications
- Resist temperature extremes, high humidity, oil and cracking

Materials

- ① Tension rubber : Chloroprene rubber
- ② Cord : Aramid
- ③ Compression rubber : Chloroprene rubber
- ④ Cover fabric : Cotton



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INFORMATION

Product Code

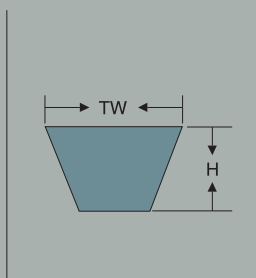
4L K 380

Belt Type

Aramid Fiber Cord

Belt Code=Outside Length (38inch)×10

Cross-Sectional Dimensions



Type	Size	TW		H	
		Inch.	mm	Inch.	mm
3LK		3/8	9.5	7/32	5.5
4LK		1/2	12.7	5/16	7.9
5LK		21/32	16.5	3/8	9.5

Standard Belt Sizes

Unit : inch

Type	Size Range
3LK	20~76
4LK	20~99
5LK	20~99

Minimum Pulley Diameter for Super KB Belts

Unit : mm

Belt Type	Minimum recommended pulley diameter		Minimum allowable pulley diameter	
	Outer Dia.	Pitch Dia.	Outer Dia.	Pitch Dia.
3LK	79	70	59	50
4LK	101	90	81	70
5LK	129	115	109	95

MBL FHP V-Belts >>



Characteristics

- Designed for light duty, fractional horsepower drives
- Capable of handling drives with backside idler
- External wrapping provides a smooth and quiet operation with minimum vibration
- Heat and oil resistant, static conductive

Materials

- ① Tension rubber : Special compound rubber
- ② Cord : Polyester
- ③ Compression rubber : Special compound rubber
- ④ Cover fabric : Cotton with chloroprene rubber



INFORMATION

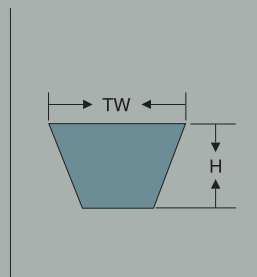
Product Code

4L 380

Belt Type

Belt Code=Nominal Length (38inch)×10

Cross-Sectional Dimensions



Size Type	TW		H	
	Inch.	mm	Inch.	mm
3L	3/8	9.5	7/32	55
4L	1/2	12.7	5/16	7.9
5L	21/32	16.5	3/8	9.5

Standard Belt Sizes

Unit : inch

Type	Size Range
3L	200~790
4L	210~1000
5L	230~800

Minimum Pulley Diameter for FHP V-Belts

Unit : mm

Belt Type	Minimum recommended pulley diameter		Minimum	
	Outer Dia.	Pitch Dia.	Outer Dia.	Pitch Dia.
3L	84	75	64	55
4L	106	95	86	75
5L	134	120	114	100

MBL Conventional V-Belts >>



Characteristics

- Proven reliability for all general drives
- Composite multipurpose construction for long dependable service and superior performance
- Prestretched polyester cord reduces belt stretch and insures a strong bond with compression rubber
- Double layer outer fabric for additional protection and longer life
- Heat and oil resistant, static conductive

Materials

- ① Tension rubber : Special compound rubber
- ② Cord : Polyester
- ③ Compression rubber : Special compound rubber
- ④ Cover fabric : Cotton with chloroprene rubber



INFORMATION

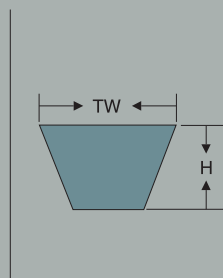
Product Code

B 144

Belt Type

Belt Code=Nominal Length (144inch)×10

Cross-Sectional Dimensions



Type	TW		H	
	Inch.	mm	Inch.	mm
M	2/5	10.0	2/9	5.5
A	1/2	12.5	1/3	9.0
B	2/3	16.5	3/7	11.0
C	6/7	22.0	5/9	14.0
D	11/4	31.5	3/4	19.0
E	11/2	38.0	1	25.0

Standard Belt Sizes

Unit : inch

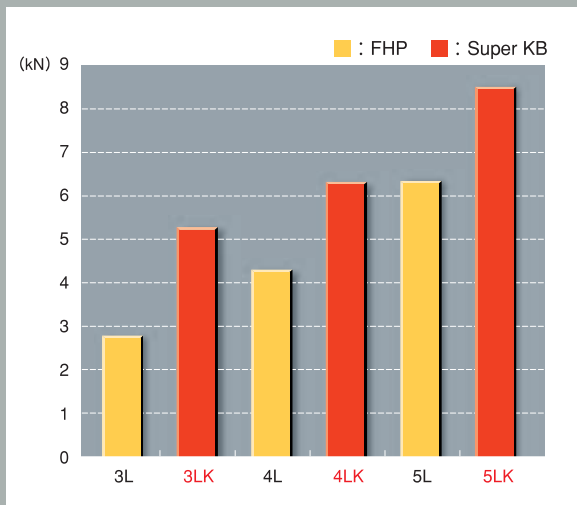
Type	Size Range
M	20~79
A	20~270
B	20~660
C	20~660
D	100~660
E	120~770

Minimum Pulley Diameter for Conventional V-Belts

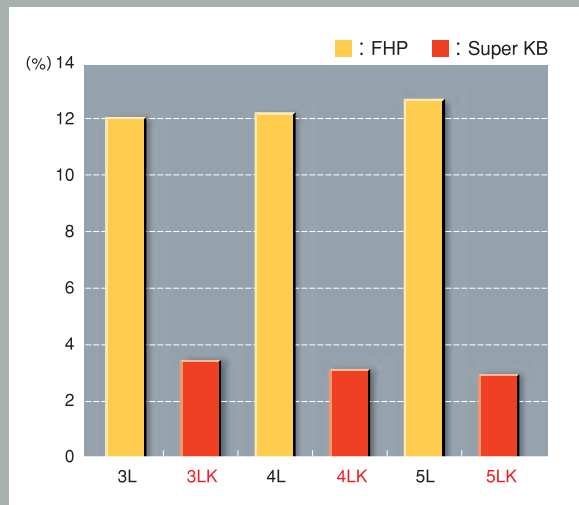
Unit : mm

Belt Type	Minimum recommended pulley diameter		Minimum allowable pulley diameter	
	Outer Dia.	Pitch Dia.	Outer Dia.	Pitch Dia.
M	55.4	50	45.4	40
A	104.0	95	76.0	67
B	161.0	150	129.0	118
C	238.0	224	194.0	180
D	374.0	355	319.0	300
E	585.4	560	475.4	450

Tensile Strength Comparison



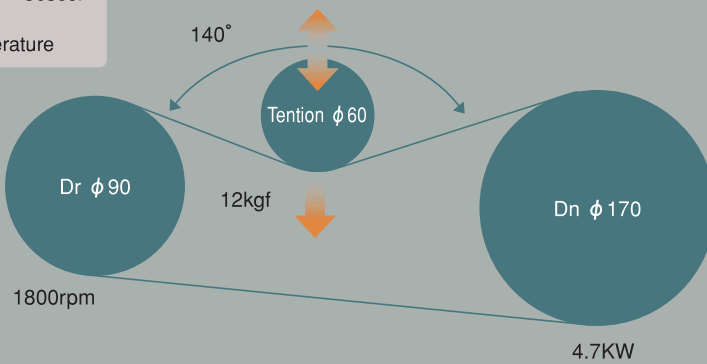
Elongation at Break Comparison



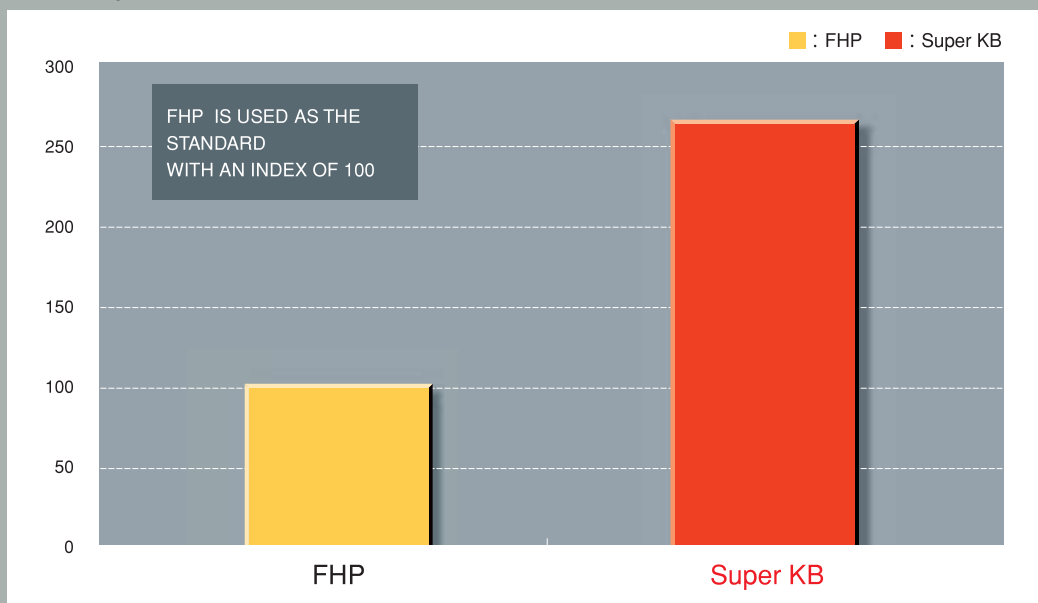
Durability Comparison

Test Condition

Clutch : ON 12min., OFF 30sec.
 Belt Length : 40 Inch.
 Temperature : Room Temperature



Durability at RT (Index)





MITSUBOSHI BELTING LTD. GROUP

MBL(USA) COPORATION







601 Dayton Road
Ottawa, Illinois 61350
Tel:815-434-1282 Fax:815-434-2897

Safety Precautions

Please read all the warnings!

Please take all necessary precautions when using our products. Also, Please review relevant product catalog and design documents, etc.

Power Transmission Products

use	
 Danger	<ul style="list-style-type: none">● If you expect that a belt will fail and idle, free-run, or stop the system, thus causing a fatal or severe accident, please provide an extra safety device.● Do not use a belt as a lifting or towing tool.
 Warning	<ul style="list-style-type: none">● If you expect that static electricity will come from the power transmission belt system, thus causing fire or malfunction of the controller, use an antistatic belt and set a neutralization apparatus in the system.
 Caution	<ul style="list-style-type: none">● Do not use a belt as an insulator. Contact us for information on insulation properties, which vary in belt type.● For a belt that touches food directly, use one that complies with the applicable food hygiene law of your country● Do not modify a belt, or its quality and performance could deteriorate.
Function & Performance	
 Caution	<ul style="list-style-type: none">● Do not use a belt beyond its capacity or for an application other than that specified by the catalog, design documents, etc. This can cause premature failure of the belt.● If water, oil, chemical, paint, dust, etc. sticks to a belt or pulley, its power transmission could deteriorate and the belt may fail.
Storage & Transportation	
 Warning	<ul style="list-style-type: none">● To store a heavy belt, use a suitable jig or stopper to prevent accidents such as belt toppling or tumbling.
 Caution	<ul style="list-style-type: none">● Use suitable equipment to carry/handle a heavy belt or pulley. Otherwise, back injury may result.● Do not put weight on or bend a belt forcibly to carry or store it. Otherwise, it will produce defects or scratches to the belt, resulting in damage.● Store the belt in low humidity and a temperature range of -10°C to 40°C. Do not expose belts to direct sunlight.

The information contained herein is for information purposes only, and does not enlarge, amend or imply any warranty other than provided by the manufacture with the product. Any use of the product not in conformance with the manufacture's instruction must be dangerous.