

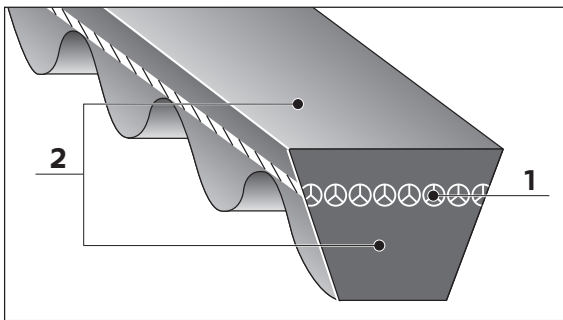
BANCOLLAN V-BELT

The Bancollan V-Belt is highly evaluated by users as an optimum belt for light-duty equipment. Recently it is widely used even in general industry and is called a standard V-belt in the light-duty field.

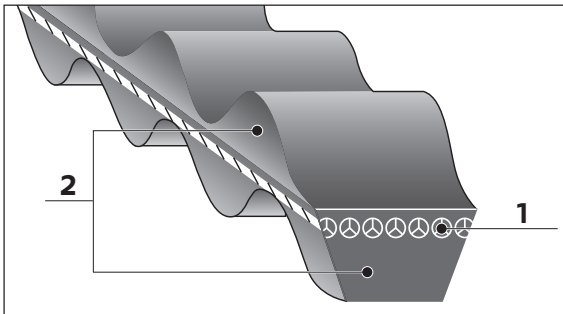


(1) Structure and Features

■ VC (cogged on the inner surface)



■ DC (cogged on both sides)



1. Cord (Polyester cord)

2. Tension rubber/Base rubber (polyurethane rubber)

The Bancollan V-Belt provides the following features.

■ Economical power transmission

Because it has a large friction factor and uses flexible polyurethane, it has little transmission loss and consumes less power.

■ Compact design

The cog effect and the highly flexible polyurethane provide fine fitting with pulleys, allowing use in a small space.

■ Clean power transmission

As it uses polyurethane, which has excellent abrasion resistance, it is rarely abraded, making it most suitable for use in a transmission system that should avoid dirt.

■ Re-tensioning unnecessary

As it uses polyester cords that have high strength, elongate little, and have little flex fatigue, the belt elongates little due to running and rarely requires re-tensioning.

(2) Major Applications

Household electric equipment

Sewing machines, pencil sharpeners, vacuum cleaners, dish-washing machines

Office machinery, optical machines

Typewriters, terminal devices, Blowers for computers, projectors

Compact machine tools, electric tools

Lathes, drill presses, grinders, electric planes

Labor-saving equipment

Automatic packaging machines, vending machines, automatic doors, bill and coin calculators, automatic shoe polishers, ticket vending machines

Chemical equipment

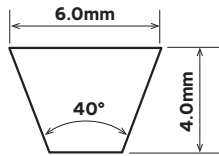
Stirring machines, sizing machines, winding machines, centrifugal separators

Others

Massage machines, radio-controlled gadgets (vehicles, helicopters), conveyance equipment (coins, cards)

(3) Belt Dimensions

■ Cross-sectional dimensions



The same dimensions for the VC type and the DC type.

■ Belt size indication example

VC type

6 × 350 La

Top width (mm) Outside length (mm) Outside length symbol

DC type

6 × 350

Top width (mm) Outside length (mm)

The VC type has a size indication on the back face of the belt; however, the DC type does not have the indication.

Table 1 Belt sizes

(Unit: mm)

VC type				DC type	
Nominal size	Outside length (mm)	Nominal size	Outside length (mm)	Nominal size	Outside length (mm)
6×207	207.0	6×460	460.0	6×200	200.0
6×220	220.0	6×466	466.0	6×210	210.0
6×232	232.0	6×470	470.0	6×230	230.0
6×250	250.0	6×480	480.0	6×240	240.0
6×260	260.0	6×485	485.0	6×250	250.0
6×261	261.0	6×490	490.0	6×260	260.0
6×270	270.0	6×500	500.0	6×270	270.0
6×280	280.0	6×511	511.0	6×277	277.0
6×289	289.0	6×520	520.0	6×280	280.0
6×290	290.0	6×530	530.0	6×290	290.0
6×297	297.0	6×540	540.0	6×300	300.0
6×300	300.0	6×550	550.0	6×310	310.0
6×315	315.0	6×561	561.0	6×315	315.0
6×320	320.0	6×587	587.0	6×320	320.0
6×330	330.0	6×600	600.0	6×330	330.0
6×340	340.0	6×613	613.0	6×340	340.0
6×343	343.0	6×628	628.0	6×350	350.0
6×345	345.0	6×650	650.0	6×360	360.0
6×349	349.0	6×663	663.0	6×365	365.0
6×350	350.0	6×700	700.0	6×370	370.0
6×360	360.0	6×713	713.0	6×375	375.0
6×370	370.0	6×730	730.0	6×380	380.0
6×380	380.0	6×750	750.0	6×390	390.0
6×381	381.0	6×760	760.0	6×400	400.0
6×390	390.0	6×764	764.0	6×450	450.0
6×400	400.0	6×800	800.0	6×500	500.0
6×407	407.0	6×821	821.0	6×520	520.0
6×410	410.0	6×850	850.0	6×540	540.0
6×414	414.0	6×866	866.0		
6×420	420.0				
6×430	430.0				
6×432	432.0				
6×440	440.0				
6×444	444.0				
6×450	450.0				

(4) Pulley Groove Dimensions

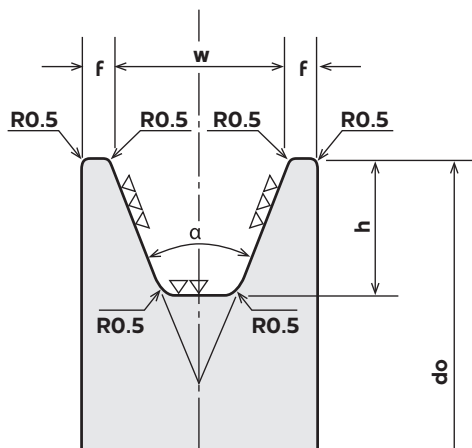
As pulleys for the Bancollan V-Belt, please use pulleys with the following dimensions.

Groove dimensions

(Unit: mm)

Pulley outside diameter do	α (°) ± 30	W ± 0.05	h	f
Over 16 to 20 or less	36			
Over 20 to 50 or less	37	5.6	5.0	2.0
Over 50	38			

For pulleys for special applications and other belt types than the above, please contact us.



Dimensional Tolerance

(Unit: mm)

		VC type	DC type
Top width		6 ± 0.2	6 ± 0.2
Thickness		4 ± 0.2	4 ± 0.2
Length	Less than 400	± 2.0	± 2.0
	400 to less than 600	± 2.0	± 2.5
	600 to less than 800	± 2.5	—
	800 to less than 850	± 3.0	