



A good installation of the V.belts and banded belts guarantees a good drive and a better lifespan.

For a new drive

- Before the V.belt installation, check the good alignment of shafts and pulleys as well as the parallelism (see technical data n°10003 - 1).
- The pulleys profile must be the same as the belt profile. Grooves must be cleaned.
- Install the belts inside the grooves without any strain. Any high strain can damage the cord. If needed close the pulleys to each other.
- Stretch the belt until the length increase by 0.5 To 0.6%

Before any tension you can do as follow:

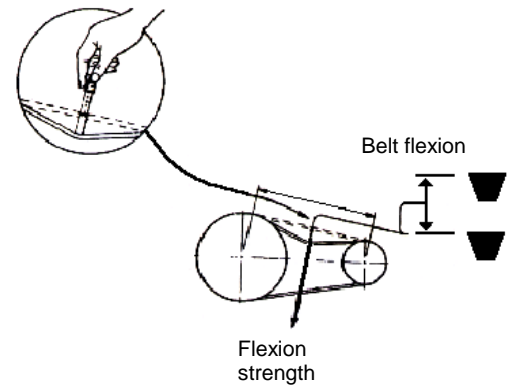
- Print 2 lines as far as you can on the belt (distance must be lower than the centre distance) Note the distance in mm. If there are more than belts, use the belts on each extremity.
- Stretch the belt until the distance between the 2 marks are 0.5 to 0.6% higher than the initial distance. Turn the belt manually when you proceed to the stretch.
- Let the belts driving during 30 mm to 1 hour. Then let cooling.
- Check the tension. Stretch the belt to the correct tension (0.5 to 0.6% elongation)

In using

Heating, high vibrations or noises of the belts mean a low tension. So, the belts can slip. An over tension creates an overload on bearings and damage the belt. To have a correct tension, use the stylotester (Flexion/Deflexion stress) for banded belts Vecoband, multiply the deflexion stress by the number of belts. Place a small board on the Vecoband to have the same flexion on each belt, then use the "stylotester" on it. In case of deflexion stress more than 15.9 daN, use the dynamometer with higher capacity.

How to use the STYLOTESTER

1. Measure the centre distance K.
2. Calculate the flexion value $f = 0.0156 \times K$ (mm).
3. Place the arrow cursor on the calculated value (big toric seal).
4. Place the strength cursor on zero position (small toric seal).
5. Place the STYLOTESTER on half way of the centre distance, push to obtain the flexion value required then leave it.
- 6 Read the flexion strength value in using the strength cursor.
7. Compare this value with the mini and maxi values, which are on the following table. The strength required must be between these values.



Belt profile	PitchØ Small pulley	Flexion strength (daN)		Belt profile	PitchØ Small pulley	Flexion strength (daN)	
		mini	maxi			mini	maxi
A	75 à 90	1.6	2.4	SPZ 3 V	63 à 90	1.7	2.5
	95 à 118	2.0	2.8		95 à 150	2.3	3.4
	125 à 180	2.3	3.3		160 à 250	2.5	3.8
B	≤ 106	2.2	3.1	SPA	80 à 125	2.2	3.2
	112 à 140	2.9	4.2		132 à 200	3.0	4.4
	150 à 212	3.7	5.4		224 à 250	3.8	5.5
C	180 à 224	7.0	10.0	SPB 5 V	106 à 212	5.0	7.6
	236 à 400	7.7	11.0		224 à 300	6.0	9.0
					315 à 400	6.5	9.8
D	280 à 375	12.7	18.6	SPC 8 V	180 à 335	9.0	13.3
	400 à 560	15.7	22.9		355 à 530	10.0	14.7
					315 à 355	12.6	19.0
				375 à 530	15.0	22.5	
				560 à 630	15.9		

