



# Belt Tensioning

## V-Belt Tension Ranges for Manual Tensioners

Always use a belt tension gauge that indicates static tension, such as the Gates Kriket® Tension Gauge, to determine proper tension from the Installation Chart. Tension ranges below are for drives requiring single belts. If multiple belts are needed for a drive, divide tension by number of belts to give per belt tension to be measured.

- > Position belt and set tension to the prescribed Installation Tension.
- > Run belt for five minutes.
- > If belt tension drops below Suggested Tension range, retighten belt to Installation Tension. This will allow the belt to seat-in and run at Suggested Tension after it has operated under normal driving conditions.

Belt Top Width	Suggested Tension (Lbs.) Ranges	Installation Tension (Lbs.) Used Belts	Installation Tension (Lbs.) New Belts	Belt Top Width	Suggested Tension (Lbs.) Ranges	Installation Tension (Lbs.) Used Belts	Installation Tension (Lbs.) New Belts
1/4"	45-65	60.0	80.0	13/16"	175-240	190.0	255.0
5/16"	60-85	75.0	100.0	7/8"	190-255	205.0	270.0
3/8"	85-115	100.0	130.0	1"	215-295	230.0	310.0
1/2"	105-145	120.0	160.0	1-1/16"	225-310	240.0	325.0
5/8"	135-185	150.0	200.0	1-1/8"	245-330	260.0	345.0
11/16"	155-200	170.0	215.0	1-5/16"	285-385	300.0	400.0
3/4"	160-220	175.0	235.0				

## Micro-V® Belt Tension Ranges for Manual Tensioners

Always use a belt tension gauge that indicates static tension, such as the Gates Kriket Tension Gauge, to determine proper tension from the Installation Chart. Many Micro-V belts are automatically tensioned by a spring-loaded automatic tensioner, which does not require tension to be set.

The tension ranges below are used for applications requiring manual tensioning.

- > For drives with manual take-up on locked-center drives, position the belt and set tension to the prescribed Installation Tension.
- > Run belt for five minutes.
- > If belt tension drops below Suggested Tension range, retighten belt to Installation Tension. This will allow the belt to seat-in and run at Suggested Tension after it has operated under normal driving conditions.

Number of Ribs	Suggested Tension (Lbs.) Ranges	Installation Tension (Lbs.) Used Belts	Installation Tension (Lbs.) New Belts	Number of Ribs	Suggested Tension (Lbs.) Ranges	Installation Tension (Lbs.) Used Belts	Installation Tension (Lbs.) New Belts
3	45-60	67.5	90.0	9	135-180	202.5	270.0
4	60-80	90.0	120.0	10	150-200	225.0	300.0
5	75-100	112.5	150.0	11	165-220	247.5	333.0
6	90-125	135.0	187.5	12	180-240	270.0	360.0
7	105-145	157.5	217.5	14	210-280	292.5	420.0
8	120-160	180.0	240.0				

**Note:** A belt is considered "used" once it has been "run-in"