



TECH NOTE



BULLETIN: TSB015_AU

BELT TENSION RANGES FOR MANUALLY TENSIONED BELTS

Always use a belt tension gauge that indicates static tension, such as the Gates KrikIt™ Belt Tension Gauges, to determine proper tension from the installation charts below.

MICRO-V® BELT TENSION RANGES

Many Micro-V belts are automatically tensioned by a spring-loaded automatic tensioner, which does not require the 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, re-tighten belt to the 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 (kg) Ranges	Installation Tension (kg) Used Belts	Installation Tension (kg) New Belts
3	20-27	31	41
4	30-35	40	55
5	35-45	50	65
6	40-55	60	85
7	48-66	71	99
8	55-70	80	100
9	61-82	92	122
10	70-90	100	130
11	75-100	112	151
12	82-109	122	163
14	95-127	133	190



The Gates KrikIt™ II Micro-V Belt Tension Gauge.
Part number 91132.



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V-BELT TENSION RANGES:

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, re-tighten 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 (mm)	Suggested Tension (kg) Ranges	Installation Tension (kg) Used Belts	Installation Tension (kg) New Belts
6A	20-29	27	36
8A	27-38	34	45
11A	38-52	45	59
13A	48-66	54	72
15A	61-84	68	91
17A	70-91	77	97
19A	72-100	79	106
20A	79-109	86	116
22A	86-116	93	122



The Gates Kriket™ V-Belt Tension Gauge.
Part number 91107.