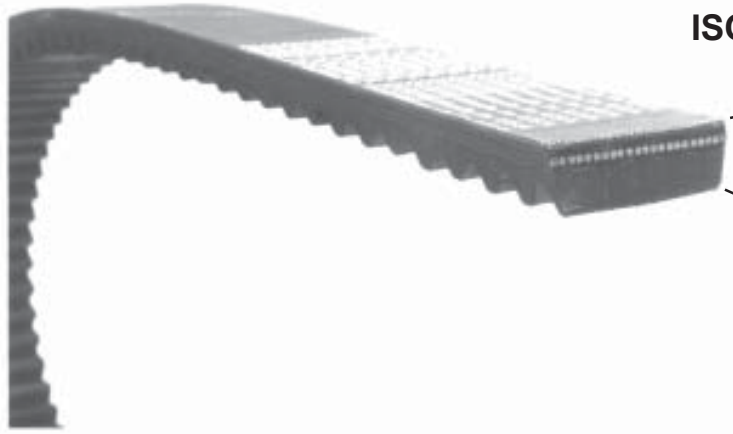


## Section 10.

# Metric Variable-Speed Belts



### ISO/DIN LENGTH DESIGNATIONS:

$L_a$  - Outside Length

$L_w$  - Pitch Length

$L_i$  - Inside Length

### PART NUMBER EXAMPLE:

**47 X 13 X 1400  $L_i$**



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METRIC VARIABLE SPEED BELTS

Contact **SPEED CONTROL** for interchange of other metric variable-speed series:

**EXAMPLE:** W50 X 2240  $L_w$

**SERIES:** W16 - W20 - W25 - W31.5 - W40 - W50 - W63 - W80

**EXAMPLE:** 20/1800  $L_i$

**SERIES:** 00/ - 05/ - 10/ - 20/ - 40/ - 50/ - 70/

*This series is not related to asymmetrical variable-speed belts.*

**CONVERSION  $L_a$  TO  $L_i$ :**  $L_a - (\text{THICKNESS} \times 2 \times 3.1416) = L_i$

## Metric Variable Speed Belts

SIZE	LIST PRICE	SIZE	LIST PRICE	SIZE	LIST PRICE	SIZE	LIST PRICE
13 X 5 X 468	27.71	28 X 8 X 600	40.82	32 X 10 X 1120	65.48	41 X 13 X 1740	112.45
13 X 5 X 500	28.04	28 X 8 X 650	41.74	32 X 10 X 1180	68.10	41 X 13 X 1940	119.40
13 X 5 X 1000	36.95	28 X 8 X 700	42.59				
13 X 5 X 1180	40.66	28 X 8 X 750	43.73	32 X 10 X 1200	68.81		
		28 X 8 X 800	45.12	32 X 10 X 1353	72.94		
						47 X 13 X 1000	85.05
17 X 5 X 426	26.82	28 X 8 X 850	46.22			47 X 13 X 1060	89.26
17 X 5 X 476	27.33	28 X 8 X 900	48.35	34 X 8 X 925	51.09	47 X 13 X 1120	90.94
17 X 5 X 536	27.79	28 X 8 X 950	49.35			47 X 13 X 1180	94.22
17 X 5 X 570	27.95	28 X 8 X 1000	51.50			47 X 13 X 1250	98.04
17 X 5 X 606	29.26	28 X 8 X 1060	52.46				
						47 X 13 X 1320	98.52
		28 X 8 X 1120	54.61	37 X 10 X 660	56.47	47 X 13 X 1400	100.46
		28 X 8 X 1180	56.28	37 X 10 X 800	57.07	47 X 13 X 1500	100.72
21 X 6 X 530	32.51	28 X 8 X 1250	58.75	37 X 10 X 850	58.42	47 X 13 X 1600	102.40
21 X 6 X 600	33.96	28 X 8 X 1320	59.90	37 X 10 X 900	59.43	47 X 13 X 1700	110.81
21 X 6 X 610	34.14	28 X 8 X 1400	61.47	37 X 10 X 950	62.60		
21 X 6 X 675	35.21			37 X 10 X 1000	64.23	47 X 13 X 1800	116.10
		28 X 8 X 1500	63.04	37 X 10 X 1020	64.57		
				37 X 10 X 1060	65.00	50 X 13 X 1453	171.15
22 X 8 X 485	35.02			37 X 10 X 1120	65.88		
22 X 8 X 525	35.02	30 X 10 X 650	69.18	37 X 10 X 1180	67.53		
22 X 8 X 565	35.92	30 X 10 X 700	69.18			52 X 16 X 1180	112.35
22 X 8 X 650	37.66	30 X 10 X 800	70.15	37 X 10 X 1250	71.11	52 X 16 X 1250	116.10
22 X 8 X 700	38.26	30 X 10 X 850	71.13	37 X 10 X 1320	73.42	52 X 16 X 1325	119.94
		30 X 10 X 875	71.97	37 X 10 X 1400	77.11	52 X 16 X 1400	127.33
22 X 8 X 750	39.71			37 X 10 X 1500	79.50	52 X 16 X 1525	133.85
22 X 8 X 800	40.55	30 X 10 X 900	73.51	37 X 10 X 1600	81.90		
22 X 8 X 850	42.12	30 X 10 X 950	75.60			52 X 16 X 1725	146.06
22 X 8 X 900	43.14	30 X 10 X 1000	77.49	37 X 10 X 1700	85.28	52 X 16 X 1925	157.63
22 X 8 X 950	44.08	30 X 10 X 1035	79.38	37 X 10 X 1800	88.86	52 X 16 X 2165	172.27
		30 X 10 X 1120	81.47			52 X 16 X 2240	173.66
22 X 8 X 1000	46.22						
22 X 8 X 1060	48.36	30 X 10 X 1200	88.88	41 X 13 X 925	79.09	55 X 16 X 1400	132.80
		30 X 10 X 1340	93.20	41 X 13 X 1000	80.89	55 X 16 X 1500	134.91
		30 X 10 X 1500	95.32	41 X 13 X 1040	81.79	55 X 16 X 1600	138.62
		30 X 10 X 1600	97.10	41 X 13 X 1060	82.78	55 X 16 X 1700	153.73
26 X 8 X 655	40.36			41 X 13 X 1120	85.39	55 X 16 X 1800	157.26
26 X 8 X 672	40.59						
26 X 8 X 710	41.67	32 X 10 X 750	51.04	41 X 13 X 1180	87.71		
26 X 8 X 750	42.12	32 X 10 X 790	52.00	41 X 13 X 1190	88.50	65 X 20 X 1706	195.92
26 X 8 X 762	42.38	32 X 10 X 820	52.97	41 X 13 X 1250	91.68	65 X 20 X 1906	210.98
		32 X 10 X 850	54.60	41 X 13 X 1340	93.94		
26 X 8 X 800	42.34	32 X 10 X 900	55.85	41 X 13 X 1400	95.64		
26 X 8 X 862	45.76						
26 X 8 X 962	49.34	32 X 10 X 950	58.11	41 X 13 X 1440	100.90		
26 X 8 X 1082	51.75	32 X 10 X 1000	59.71	41 X 13 X 1500	103.70		
		32 X 10 X 1073	62.26	41 X 13 X 1600	105.29		

## Metric Variable Speed Belts

SIZE	LIST PRICE			
70 X 18 X 1575	195.39			
70 X 18 X 1600	199.00			
70 X 18 X 1700	209.91			
70 X 18 X 1800	217.61			
70 X 18 X 2000	232.97			
70 X 18 X 2240	251.61			
70 X 18 X 2500	278.39			
70 X 19 X 1445	325.00			

# Metric System & Helpful Power Transmission Conversions

## METER: THE BASE UNIT OF THE METRIC SYSTEM:

UNIT	SYMBOL	METER EQUIVALENT
1000 MILLIMETERS .....	mm .....	EQUALS 1 METER
100 CENTIMETERS .....	cm .....	EQUALS 1 METER
10 DECIMETERS .....	dm .....	EQUALS 1 METER
1 DECAMETER .....	dam .....	EQUALS 10 METERS
1 HECTOMETER .....	hm .....	EQUALS 100 METERS
1 KILOMETER .....	km .....	EQUALS 1000 METERS

## METRIC TO U.S. CONVERSIONS:

25.4 MILLIMETERS .....	1 INCH
1 METER .....	3.281 FEET
1 METER .....	1.094 YARDS
1 KILOMETER .....	.621 MILES
1 KILOWATT .....	1.34 HP

## ELECTRIC MOTOR CONVERSIONS (APPROXIMATIONS) TO TORQUE:

MOTOR SPEED	TORQUE DEVELOPED PER H.P.
1800 RPM .....	3 lb. ft.
1200 RPM .....	4.5 lb. ft.
900 RPM .....	6 lb. ft.

## ELECTRIC MOTOR AMPERAGE/HORSEPOWER CONVERSIONS:

VOLTS	PHASE	AMPERAGE DRAW PER HORSEPOWER
550	3	1.0
440	3	1.25
220	3	2.5
220	1	5.0
110	1	10.0