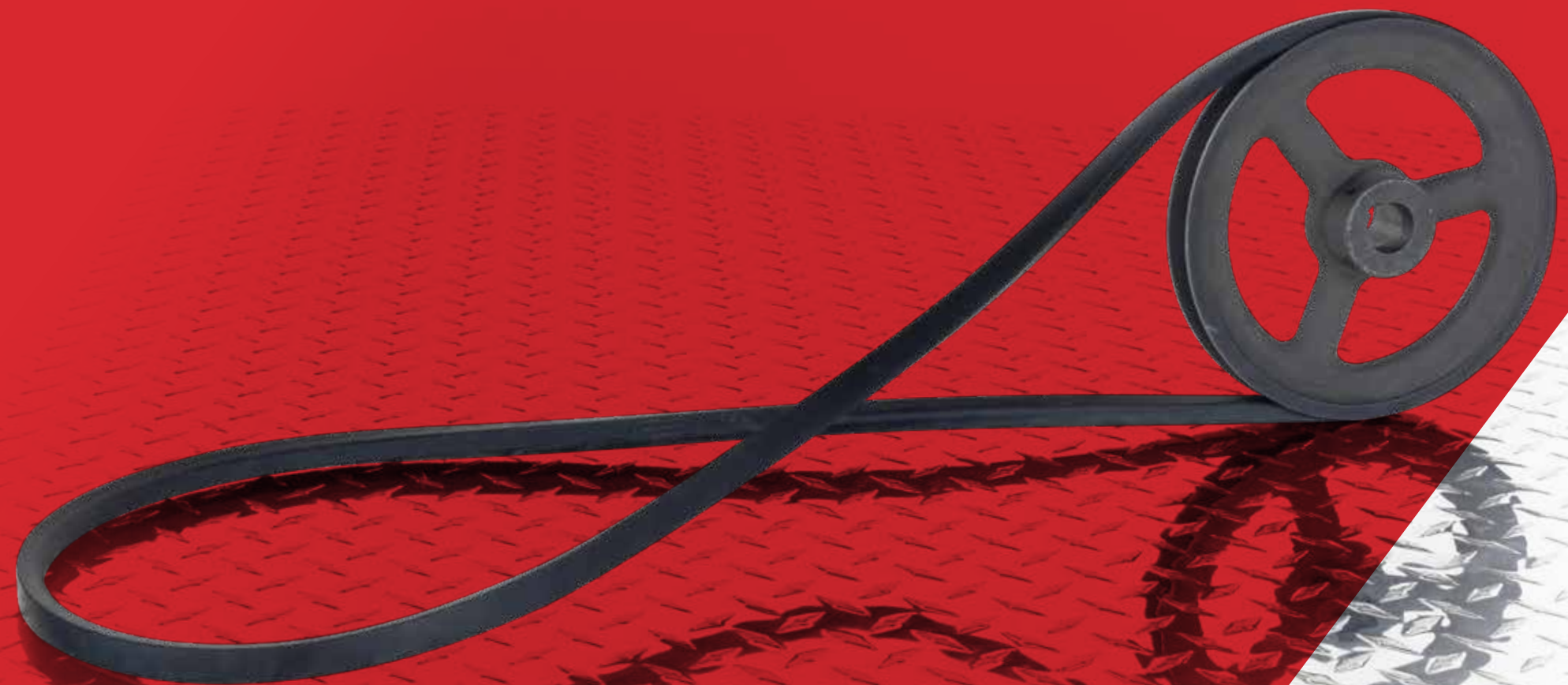


# BELTS

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- Manufactured for excellent tensile strength
- Belt fibre properties assure solid creep strength (e.g. low rigidity)
- Good power/footprint ratio
- Satisfactory lifespan (good fatigue and wear resistance)



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## BELT CHARACTERISTICS

- Elasticity assures absorption of shocks and vibrations
- Helps make transmissions silent
- Increases service life



## BELT CHARACTERISTICS

### V-BELTS



- High resistance to traction
- Good resistance to flowing
- Good power vs available room ratio
- Decreased tension, good lateral stability
- Works through centrifugal force
- Grooves assure resistance/adherence
- Lower speeds due to heavier weight (5-10 m/s)
- Good resistance to fatigue and wear (satisfactory service life)

### V-RIBBED (COGGED) BELTS



- Combination of flat and V-belt advantages
- Increased contact surface compared to flatbelts, leading to decreased radial tension
- Better performance compared to V-belts by eliminating sticking grooves

### TIMING BELTS



- Same characteristics as gears for a steady speed ratio
- Speeds up to 80 m/s
- Powers up to 200 kW

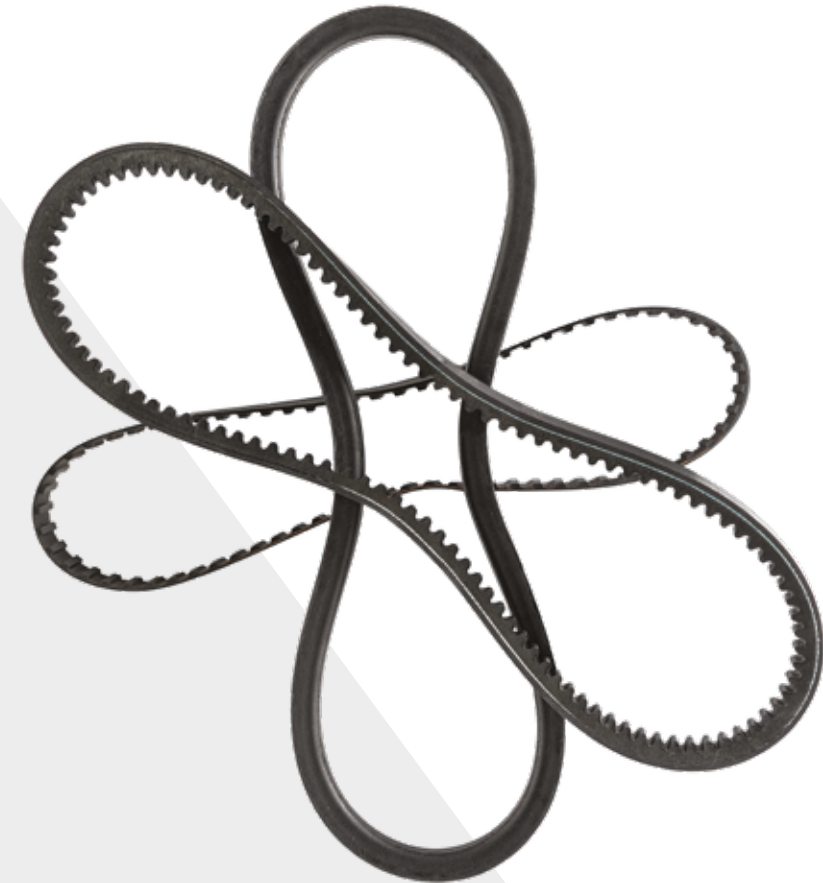


CONTRIBUTING TO PEOPLE'S QUALITY OF LIFE, EVERY DAY.

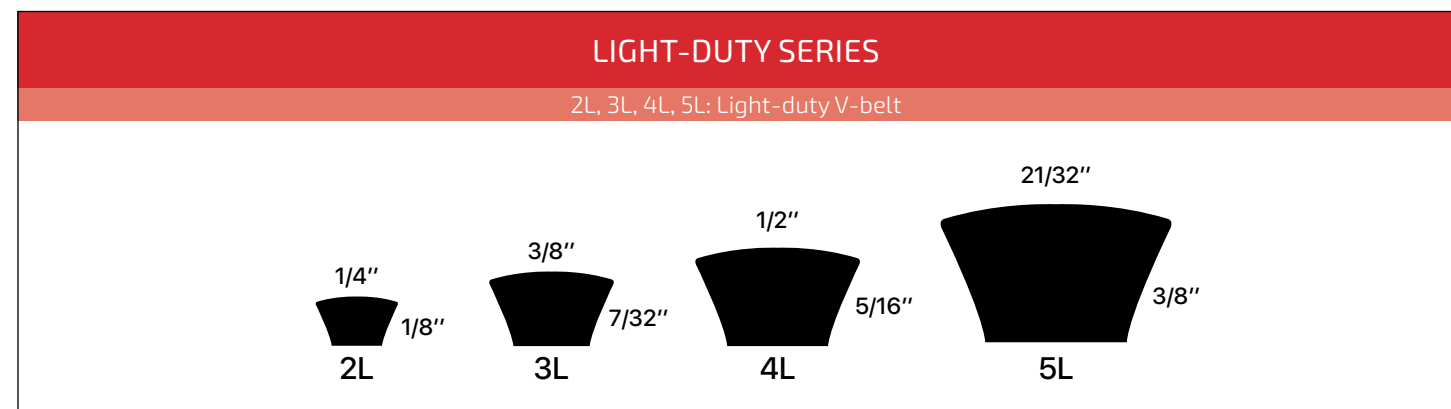
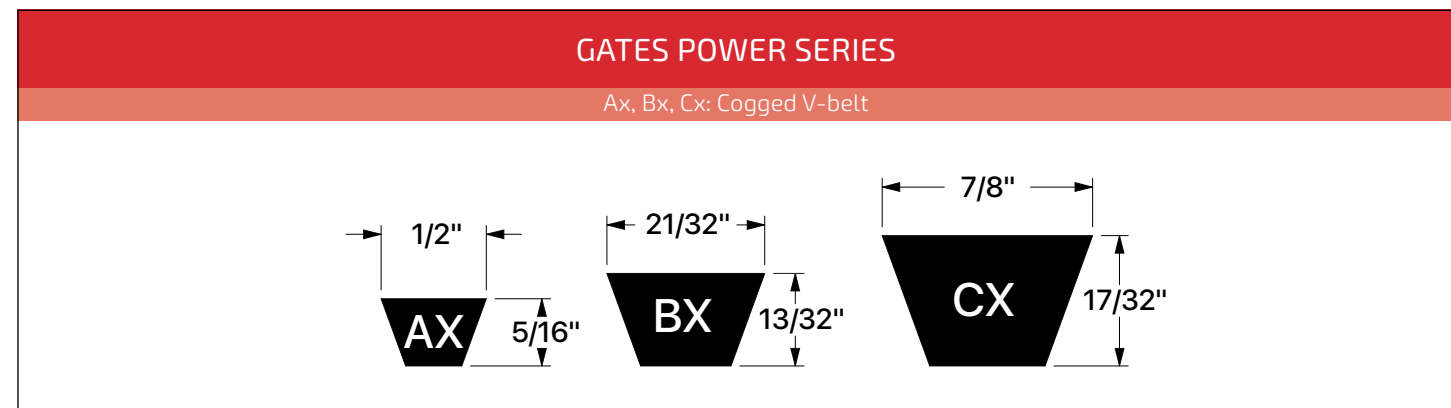
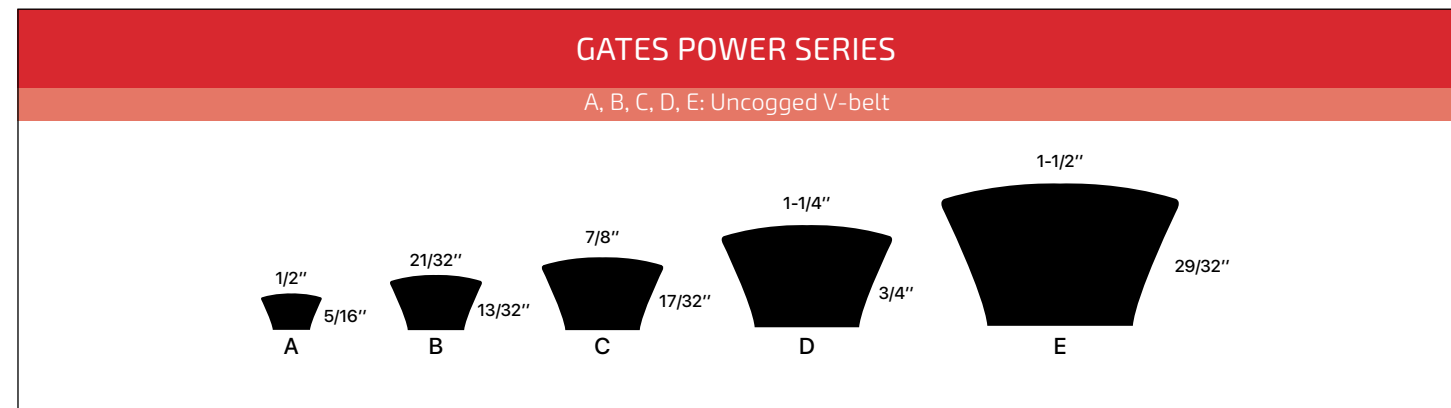
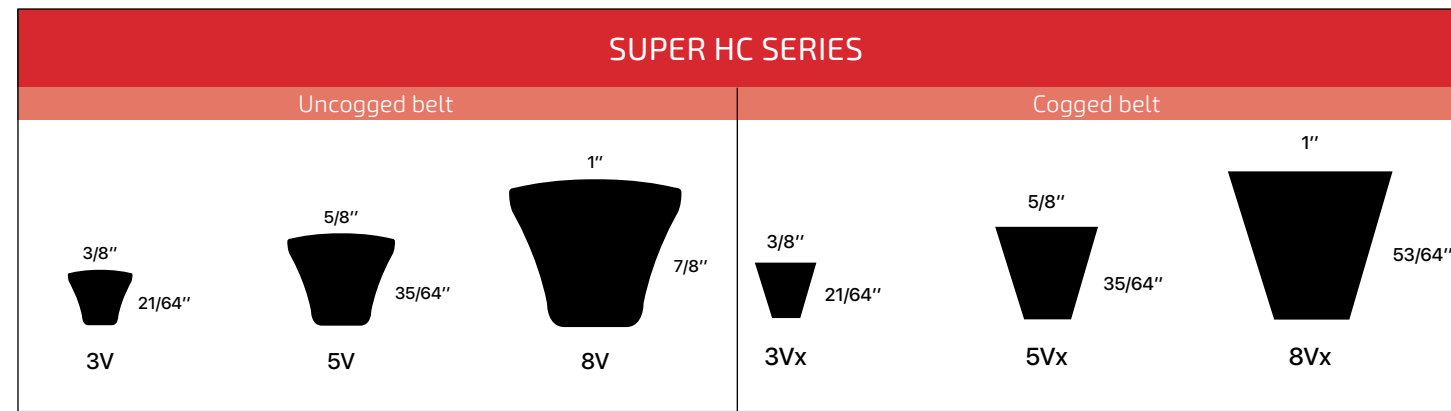


## BELT TYPES

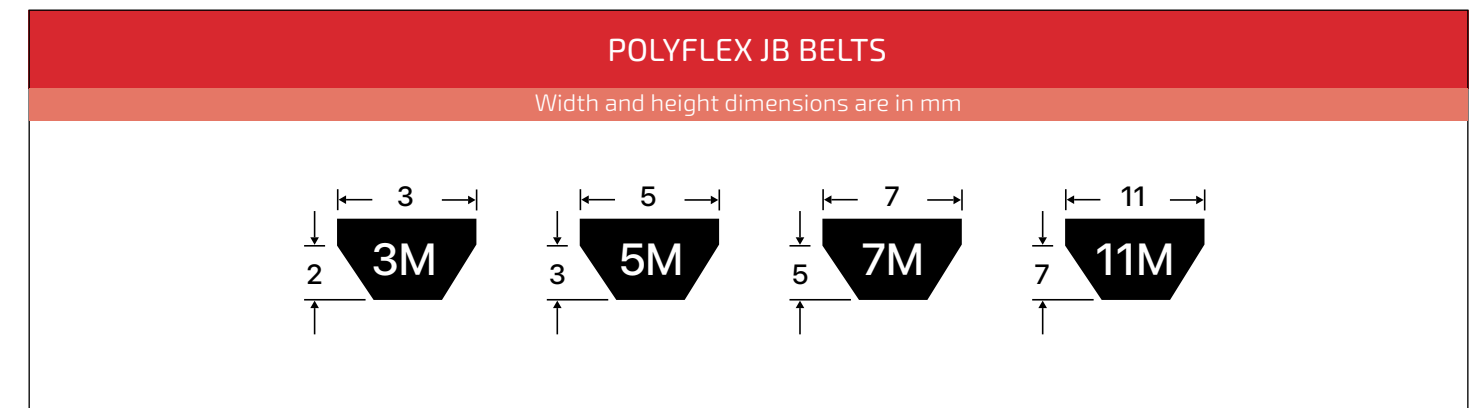
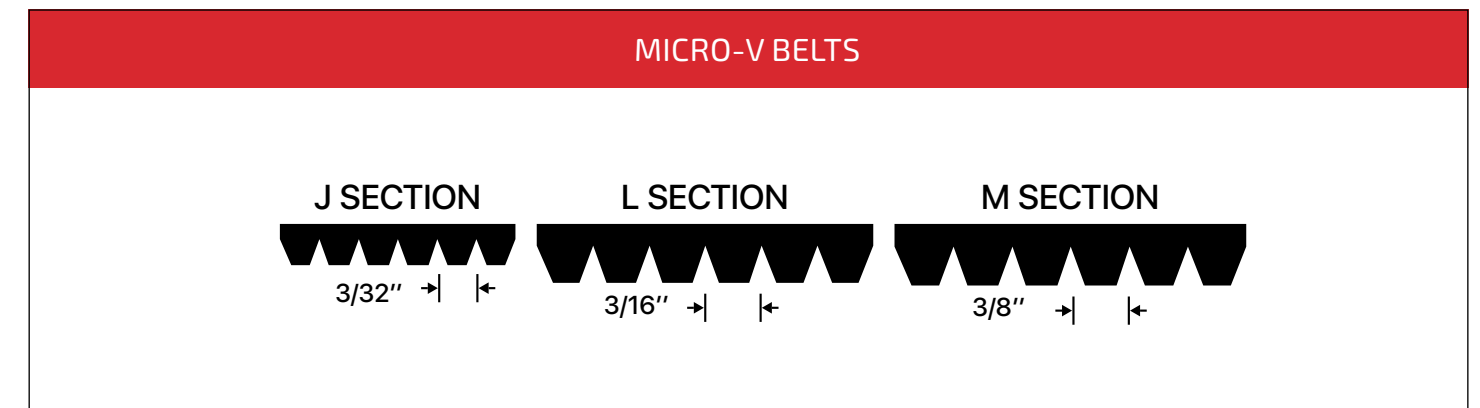
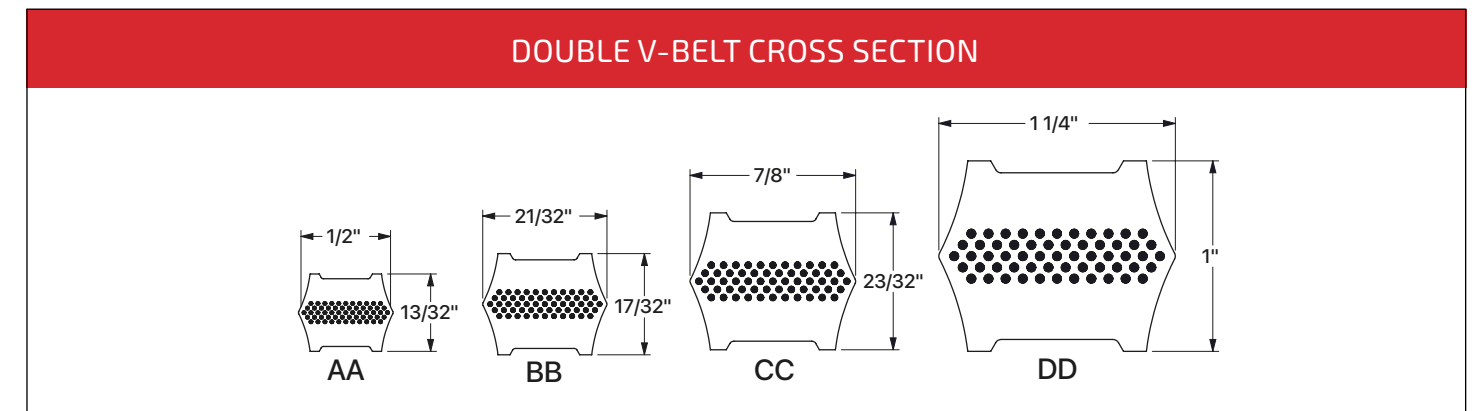
- Oil resistance
- High efficiency
- No maintenance required
- Longer service life
- Excellent performance



## BELT TYPES

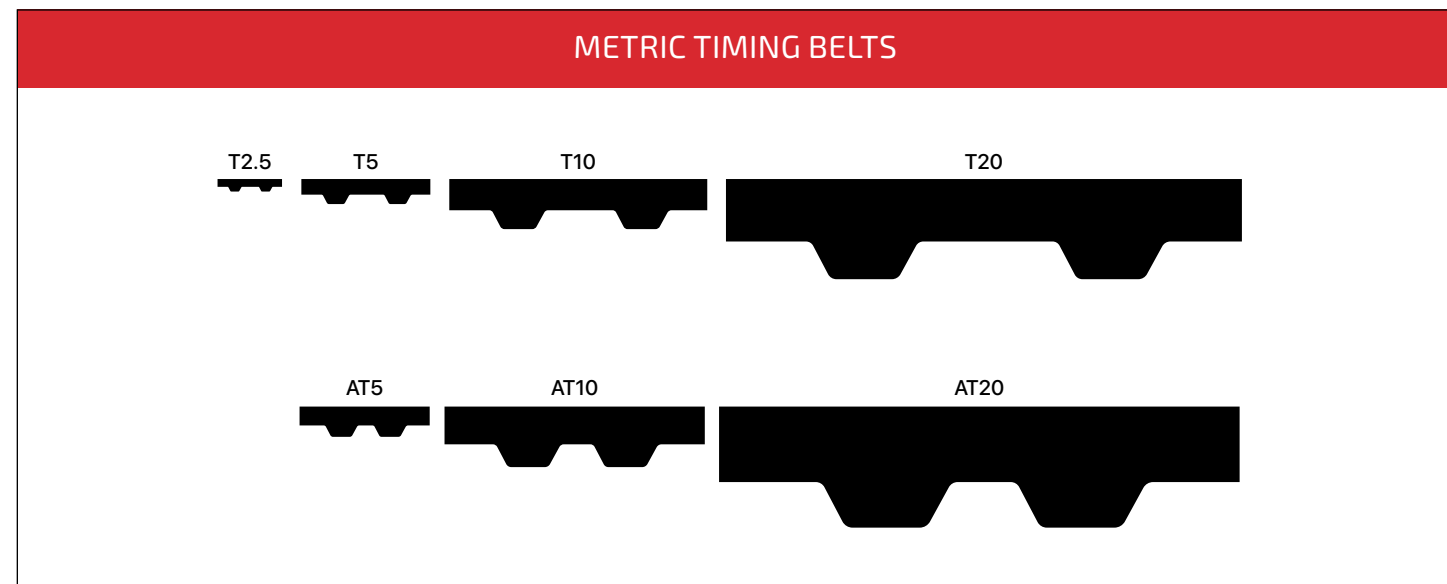
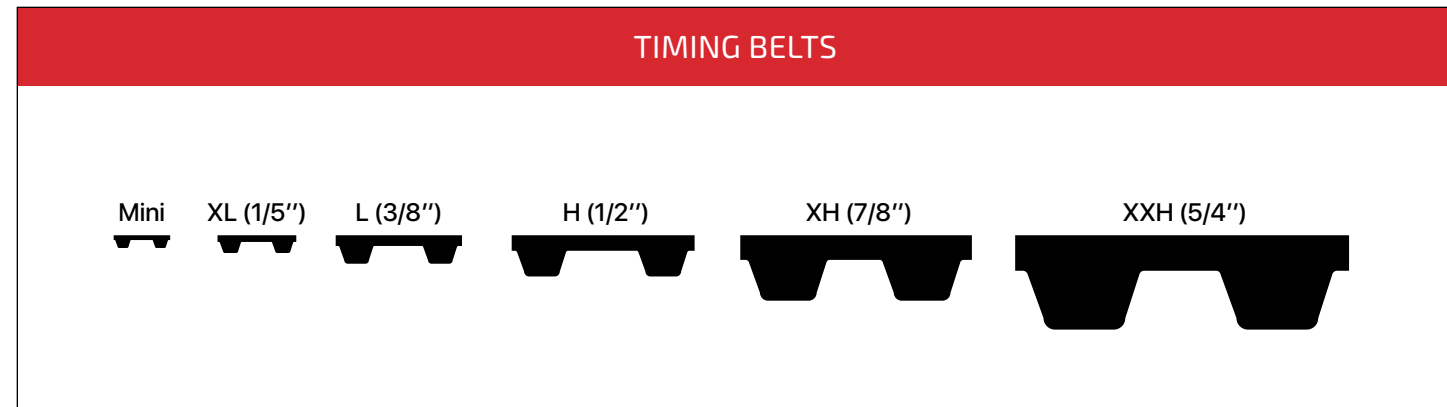
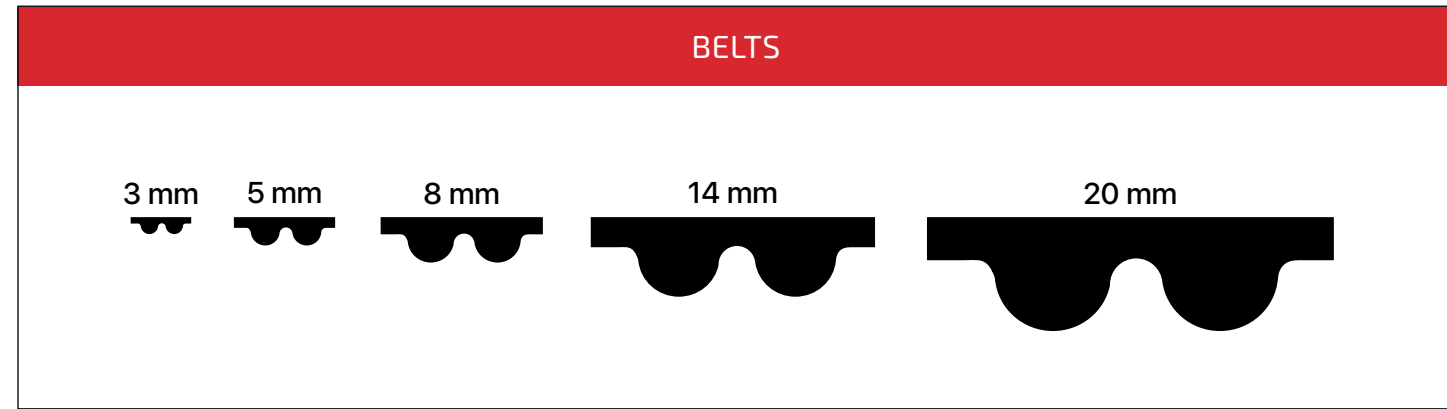


## BELT TYPES



# BELT TYPES

## STANDARD PITCHES



# STANDARD BELTS / PULLEYS

- Standard pitches, HTB belts
- Non-standard pitch timing belt
- Metric timing belts



# STANDARD BELTS / PULLEYS

GATES



Belt type	Minimum recommended diameter (in)	Belt pitch	Recommended minimum number of teeth
Traditional V-belt		PowerGrip (PIX X'act CT)	
AX	2.20	MXL	12
A	3.00	XL	12
BX	4.00	L	12
B	5.40	H	14
CX	6.80	XH	18
C	9.00	XXH	18
D	13.00	PowerGrip HTD (PIX X'act HTD)	
E	21.00	3M	12
Narrow V-belts		5M	14
3VX	2.20	8M	22
3V	2.65	14M	28
5VX	4.40	20M	34
5V	7.10	PowerGrip GT 2 (PIX TorquePlus)	
8V	12.50	2M	12
Light-duty V-belts		3M	16
2L	0.8	5M	18
3L	1.5	8M	22
4L	2.5	14M	28
5L	3.5	Poly Chain GT Carbon™	
Micro-V belts (PIX X'ceed-XC)		8M	22
J	0.8	14M	28
L	3.00	Syncho-Power polyurethane	
M	7.00	MXL	10
Polyflex JB belts		XL	10
3M	0.67	L	10
5M	1.04	H	14
7M	1.67	T2.5	12
11M	2.64	T5	10
		T10	16
		T20	15
		AT5	12
		AT10	18
		AT20	18
		5mm HTD	10
		8mm HTD	16
		14mm HTD	28

Minimum recommended pulley diameter according to the selected belt.

# STANDARD BELTS / PULLEYS

PIX



Belt Type	Minimum recommended diameter (mm)
Traditional V-belt	
AX	63 (2.48 in)
A	71 (2.79 in)
BX	90 (3.54 in)
B	112 (4.40 in)
CX	140 (5.51 in)
C	180 (7.08 in)
D	355 (13.97 in)
E	500 (19.68 in)
Narrow V-belts	
3VX	56 (2.20 in)
3V	63 (2.48 in)
5VX	112 (4.40 in)
5V	140 (5.51 in)
8V	335 (13.18 in)
Light-duty V-belts	
2L	Not in range
3L	45 (1.77 in)
4L	65 (2.55 in)
5L	91 (3.58 in)
Micro-V belts (PIX X'ceed-XC)	
J	20 (0.78 in)
L	75 (2.95 in)
M	180 (7.08 in)

Minimum recommended pulley diameter according to the selected belt.

Product available on volume order.

Other Pix belt lines available on request.