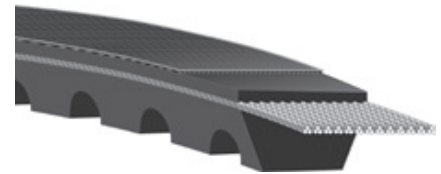


FHP V-Belts

Quiet, smooth-running,
exceptionally energy efficient

Our FHP V-belts run smoother and quieter, last longer and substantially improve energy efficiency compared to noncogged belts.



Part Number: 4L560

4L	0.50 in. top width
560	56 in. nominal outside length
	Cut-edge, molded cog construction shown

You no longer have to accept the lower energy efficiency associated with envelope belts on fractional horsepower light-duty drives. Advanced V-belt technology has resulted in the development of a cut-edge, molded cog construction which exceeds conventional envelope belts in every performance category except oil resistance confirmed in extensive testing.

In addition, the efficiency of our FHP V-belts offers you the opportunity to achieve full operating power requirements with a lower horsepower drive, reduced energy requirements or both. These considerations can provide highly desirable economic advantages whether you are a drive manufacturer or a drive user.

Cogged for cooler running

The cogged design of our FHP V-belts (standard on 4L and 5L sizes) provides a greater surface area for heat dissipation and allows increased air flow around the belt during operation. These factors help to reduce internal belt temperatures and greatly improve belt life. Of course, the cogged design also improves flexibility, an especially important consideration where minimum or substandard sheave diameters are involved.

Applications

For light-duty fractional horsepower motors. Molded cogs allow for use in applications where the belt is expected to perform around smaller sheave diameters.

- › Shop equipment
- › Home appliances
- › Light-duty machinery
- › Blowers

Low vibration for low noise

Low cross section vibration in rubber-edged, cogged belts reduces noise generation. This allows you to take advantage of the longer life and high efficiency of FHP V-belts in noise-sensitive equipment. But even in typical factory settings, our FHP V-belts contribute to a quieter operating environment.

Key features & benefits

- › Universal Classical profile.
- › Engineered rubber cushion and insulation.
- › Cut-edge, molded cogged construction.
- › Heat, ozone and abrasion resistant.

Superior efficiency for improved performance

The historic inefficiency of FHP drives can be traced directly to the inability of a relatively large envelope belt to transmit a low-power force efficiently. Transmission loss is especially significant in factories using large numbers of drives and where small diameter sheaves are involved. The aggregate loss can be significant enough to have an adverse effect on equipment performance.

The FHP V-belt's efficiency begins at 93% when used with smaller sheaves and increases dramatically as the sheave diameter increases (Figure 1). Since more of the rated power of the drive is delivered, actual performance nearly matches design performance.

Cogged vs. Noncogged FHP V-Belts (4L Section) Efficiency

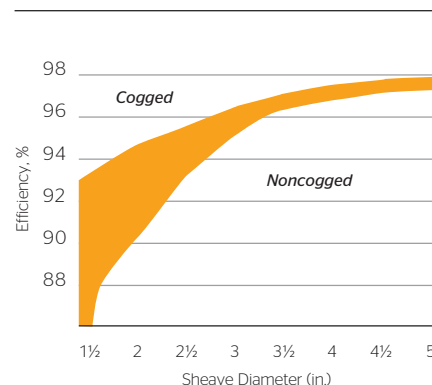


Figure 1

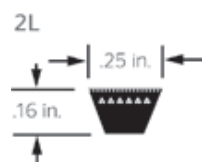
■ FHP V-Belts (4L Section) Efficiency

FHP V-Belts

Cross Sections and Lengths Available

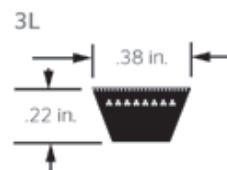
2L

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
2L120	12	2L190	19	2L300	30
2L140	14	2L200	20	2L310	31
2L150	15	2L220	22	2L320	32
2L160	16	2L240	24		
2L180	18	2L260	26		



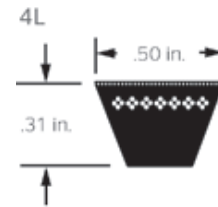
3L

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
3L120	12	3L320	32	3L530	53
3L130	13	3L330	33	3L540	54
3L140	14	3L340	34	3L550	55
3L150	15	3L350	35	3L560	56
3L160	16	3L360	36	3L570	57
3L170	17	3L370	37	3L580	58
3L180	18	3L380	38	3L590	59
3L190	19	3L390	39	3L600	60
3L200	20	3L400	40	3L610	61
3L210	21	3L420	42	3L620	62
3L220	22	3L430	43	3L630	63
3L230	23	3L440	44	3L640	64
3L240	24	3L450	45	3L650	65
3L250	25	3L460	46	3L660	66
3L260	26	3L470	47	3L670	67
3L270	27	3L480	48	3L690	69
3L280	28	3L490	49	3L730	73
3L290	29	3L500	50	3L740	74
3L300	30	3L510	51	3L760	76
3L310	31	3L520	52		



4L

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
4L150	15	4L300	30	4L460	46
4L160	16	4L320	32	4L470	47
4L170	17	4L330	33	4L480	48
4L180	18	4L340	34	4L490	49
4L190	19	4L350	35	4L500	50
4L200	20	4L360	36	4L510	51
4L210	21	4L370	37	4L520	52
4L220	22	4L380	38	4L530	53
4L230	23	4L390	39	4L540	54
4L240	24	4L400	40	4L550	55
4L250	25	4L410	41	4L560	56
4L260	26	4L420	42	4L570	57
4L270	27	4L430	43	4L580	58
4L280	28	4L440	44	4L590	59
4L290	29	4L450	45	4L600	60



5L

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
5L230	23	5L360	36	5L490	49
5L240	24	5L370	37	5L500	50
5L250	25	5L380	38	5L510	51
5L260	26	5L390	39	5L520	52
5L270	27	5L400	40	5L530	53
5L280	28	5L410	41	5L540	54
5L290	29	5L420	42	5L550	55
5L300	30	5L430	43	5L560	56
5L310	31	5L440	44	5L570	57
5L320	32	5L450	45	5L580	58
5L330	33	5L460	46	5L590	59
5L340	34	5L470	47	5L600	60
5L350	35	5L480	48		

