



Hi-Q® cast iron variable pitch sheaves



- Permits Variation of as much as 30% in speed when used with sheaves of fixed diameter
- Removable lock key in common commercial design (Style 2 parts).
- Strong cast iron construction ensures long life of groove and bore and keyway.



- TYPE 1 -** One setscrew over flat. Machined all over to assure close balance
- TYPE 2 -** One setscrew over removable lock key. Key must be replaced and locked in position by setscrew(s) before operation. All components are individually balanced before assembly to assure close balancing tolerances.

SINGLE GROOVE VARIABLE PITCH SHEAVES											
O.D. Diameter Inches	Part Number	Type	STOCK BORES MARKED X							Overall Width Inches	Approx Weight Lbs
			1/2	5/8	3/4	7/8	1	1-1/8	1-3/8		
2.32	1VP25	1	X	X						1-19/32	0.7
2.87	1VP30	1	X	X						1-21/32	1.1
3.15	1VP34	1	X	X	X	X				1-7/8	1.4
3.75	1VP40	1	X	X	X	X				1-7/8	1.9
4.15	1VP44	1	X	X	X					1-7/8	2.4
4.15	1VP44	2				X	X	X		1-7/8	2.9
4.75	1VP50	1	X	X	X					2	2.9
4.75	1VP50	2				X	X	X		1-7/8	3.6
5.35	1VP56	1	X	X	X					1-7/8	3.8
5.35	1VP56	2				X	X	X		1-7/8	4.4
6.00	1VP60 *	2				X		X	X	1-21/32	6.5
6.00	1VP62 *	2		X	X	X	X	X	X	1-29/32	6.1
6.50	1VP65 *					X				1-21/32	6.8
6.55	1VP68 *	2			X	X	X	X	X	1-29/32	7.3
7.10	1VP71 *	2						X	X	1-21/32	8.2
7.50	1VP75 *	2				X	X	X	X	1-21/32	9.2

Dimensions Held to commercially acceptable tolerances For Standard Keyway Dimensions See Chart in Section A
 * - HAS NO HUB PROJECTION

SINGLE GROOVE VARIABLE PITCH SHEAVES													
PART NUMBER	TYPE	PITCH DIAMETER AND PITCH RANGE											
		3L BELTS				"A" HY-T "AX" TORQUE-FLEX				"B" HY-T "BX" TORQUE FLEX			
		MIN PITCH	TURNS OPEN	MAX PITCH	TURNS OPEN	MIN Datum	TURNS OPEN	MAX Datum	TURNS OPEN	MIN Datum	TURNS OPEN	MAX Datum	TURNS OPEN
1VP25	1	1.4	4	2.2	0								
1VP30	1	1.8	4	2.7	0								
1VP34	1	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1
1VP40	1	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1
1VP44	1 & 2	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1
1VP50	1 & 2	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1
1VP56	1 & 2	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1
1VP60	2					4.2	5	5.2	0	4.3	6	5.5	0
1VP62	2	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1
1VP65	2					4.7	5	5.7	0	4.8	6	6.0	0
1VP68	2	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1
1VP71	2					5.3	5	6.3	0	5.4	6	6.6	0
1VP75	2					5.7	5	6.7	0	5.8	6	7.0	0

Not recommended for use with this belt cross section.