

VARIABLE PITCH SHEAVES

- Used with 3L, 4L, 5L, A, AX, B, BX, 5VX belts
- Ideal for HVAC applications
- Manufactured from ASTM graded close grain cast iron
- Groove angle meets RMA specification (Rubber Manufacturer Association)
- Powder Coat paint rated to withstand 500 hour salt spray
- Provided with 5/16-18 NC knurl cup point hollow head setscrew
- Industry standard keyseats

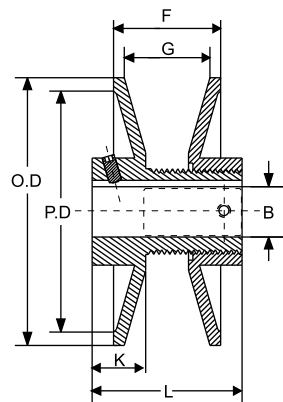
VARIABLE PITCH SHEAVES



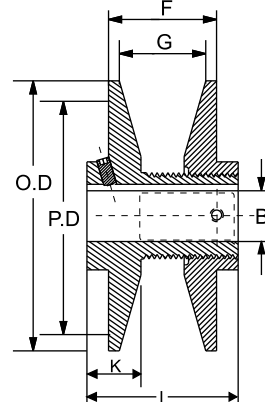
VL & VM VARIABLE PITCH SHEAVES

CAST IRON

"VL" & "VM"



TYPE "VL"



TYPE "VM"



PART NO.	DIAMETER RANGE												STOCK BORE SIZES			
	"3L" BELTS				"4L" OR "A" BELTS				"5L" OR "B" BELTS							
	MIN. PITCH	TURNS OPEN	MAX PITCH	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX DATUM	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX DATUM	TURNS OPEN	1/2	5/8	3/4	7/8
1VL25	1.6	4	2.4	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL30	1.8	4	2.7	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL34	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	x	x	x	-
1VL40	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	x	x	x	x
1VL44	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	x	x	x	x
1VM50	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	x	x	x	x

Do not use "VL" and "VM" sheaves with Notch Belt Ratings.

PART NO.	DIMENSIONS							WGT. LBS.
	OUTSIDE	F		G		L	K	
		MAX.	MIN.	MAX	MIN.			
1VL25	2.50	25/32	17/32	5/8	3/8	1 11/16	37/64	0.80
1VL30	2.87	25/32	17/32	5/8	3/8	1 11/16	37/64	1.00
1VL34	3.15	31/32	21/32	13/16	1/2	1 7/8	37/64	1.10
1VL40	3.75	1 1/32	21/32	7/8	1/2	1 7/8	37/64	1.30
1VL44	4.15	1 1/32	21/32	7/8	1/2	1 7/8	37/64	1.30
1VM50	4.75	1 1/16	1 1/16	7/8	1/2	1 15/16	21/32	2.80

Do not use "VL" and "VM" sheaves with Notch Belt Ratings

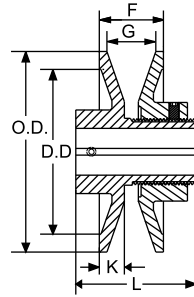
"VL/VM" Sheaves are machined on essential surfaces only. Both are furnished with standard Keyseats and Hollow Head Setscrews.

STANDARD KEYSEATS

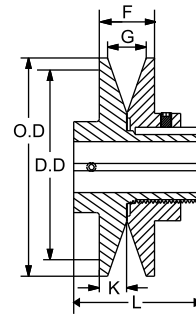
BORE RANG	KEYSEAT
1/2	None
5/8 to 7/8	3/16 x 3/32

SINGLE GROOVE VARIABLE PITCH SHEAVES FOR "3L", "5L", "A", "B", AND "5V" BELTS

CAST IRON



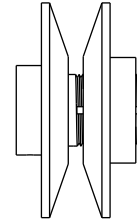
TYPE-1



TYPE-2

"3L", "4L", "5L",

"A", "B" & 5V BELT

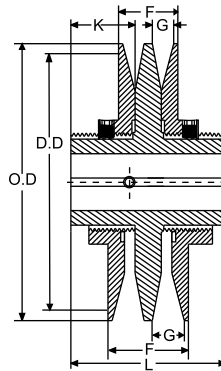


PART NO.	TYPE	DIAMETER RANGE															
		"3L" BELTS				"4L" OR "A" BELTS				"5L" OR "B" BELTS				"5V" BELTS			
		MIN. PITCH	TURNS OPEN	MAX PITCH	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX DATUM	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX DATUM	TURNS OPEN	MIN. PITCH	TURNS OPEN	MAX PITCH	TURNS OPEN
1VP25	1	1.6	4	2.4	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	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	-	-	-	-
1VP44	2	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	-	-	-	-
1VP50	1	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-
1VP50	2	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-
1VP56	1	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1	-	-	-	-
1VP56	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	5.3	6	6.3	1
1VP65	2	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0
1VP68	2	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1
1VP71	2	-	-	-	-	5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0
1VP75	2	-	-	-	-	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0

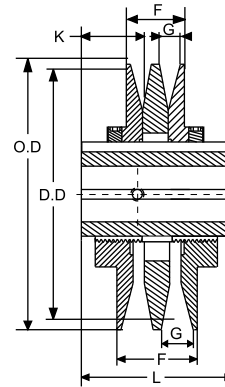
PART NO.	TYPE	DIMENSIONS							STOCK BORE marked "x"										WGT. LBS.
		O.D.	F		G		L	K											
			MAX	MIN.	MAX	MIN.			1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8		
1VP25	1	2.50	13/16	9/16	5/8	3/8	1 1/2	5/8	x	-	-	-	-	-	-	-	-	0.70	
1VP30	1	2.87	13/16	9/16	5/8	3/8	1 21/32	19/32	x	x	x	-	-	-	-	-	-	1.10	
1VP34	1	3.15	1	11/16	13/16	1/2	1 7/8	21/32	x	x	x	x	-	-	-	-	-	1.40	
1VP40	1	3.75	1 1/16	11/16	7/8	1/2	1 7/8	21/32	x	x	x	x	-	-	-	-	-	1.90	
1VP44	1	4.15	1 1/16	11/16	7/8	1/2	1 7/8	21/32	x	x	x	-	-	-	-	-	-	2.40	
1VP44	2	4.15	1 1/8	3/4	7/8	1/2	1 7/8	11/16	-	-	-	x	x	x	-	-	-	2.90	
1VP50	1	4.75	1 1/16	11/16	7/8	1/2	2	25/32	x	x	x	-	-	-	-	-	-	2.90	
1VP50	2	4.75	1 1/8	3/4	7/8	1/2	1 7/8	11/16	-	-	-	x	x	x	-	-	-	3.60	
1VP56	1	5.35	1 1/16	7/8	7/8	1/2	1 7/8	21/32	x	x	x	-	-	-	-	-	-	3.80	
1VP56	2	5.35	1 1/8	3/4	7/8	1/2	1 7/8	11/16	-	-	-	x	x	x	-	-	-	4.40	
1VP60	2	6.00	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16	-	-	x	x	-	x	-	x	x	6.50	
1VP62	2	5.95	1 1/8	3/4	7/8	1/2	1 29/32	21/32	-	x	x	x	x	x	x	x	x	6.10	
1VP65	2	6.50	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16	-	-	x	x	-	x	-	x	x	6.80	
1VP68	2	6.55	1 1/8	3/4	7/8	1/2	1 29/32	21/32	-	x	x	x	x	x	x	x	-	7.30	
1VP71	2	7.10	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16	-	-	x	x	-	x	-	x	-	8.20	
1VP75	2	7.50	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16	-	-	x	x	-	x	-	x	-	9.20	

TWO GROOVE VARIABLE PITCH SHEAVES FOR "3L", "4L", "5L", "A", "B", AND "5V" BELTS

CAST IRON



TYPE 4



TYPE 5

"3L", "4L", "5L",

"A", "B" & 5V BELT

PART NO.	TYPE	DIAMETER RANGE																STOCK BORE SIZES									
		"3L" BELTS				"4L" "OR" A BELTS				"5L" OR "B" BELTS				"5V" BELTS													
		MIN. PITCH	TURNS OPEN	MAX. PITCH	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX. DATUM	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX. DATUM	TURNS OPEN	MIN. PITCH	TURNS OPEN	MAX. PITCH	TURNS OPEN	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8	
2VP36	4	1.9	4	2.7	0	2.0	5	3.0	0	2.5	5	3.3	1	-	-	-	-	x	x	x	x	x	-	-	-	-	
2VP42	4	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	-	-	-	-	-	x	x	x	x	x	-	-	-	
2VP50	5	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-	-	x	x	x	x	x	-	-	-	
2VP56	5	3.9	-	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1	-	-	-	-	-	x	x	x	x	x	-	-	-	
2VP60	5	-	-	-	-	4.2	5	5.2	0	4.3	6	5.5	0	-	-	-	-	-	-	x	x	-	x	-	x	x	
2VP62	5	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1	5.3	6	6.3	1	-	-	x	x	x	x	-	x	-	
2VP65	5	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	-	-	x	x	-	x	x	x	x	
2VP68	5	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1	-	-	-	x	x	x	x	-	-	
2VP71	5	-	-	-	-	5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0	-	-	x	x	-	x	-	x	x	
2VP75	5	-	-	-	-	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	-	-	x	x	-	x	-	x	x	

All fitted with Hollow Head Setscrews.

PART NO.	TYPE	DIMENSIONS							
		O.D.	F		G		L	K	WGT. LBS.
			MAX.	MIN.	MAX.	MIN.			
2VP36	4	3.35	2	1 3/8	13/16	1/2	3	1 3/16	3.40
2VP42	4	3.95	2 1/8	1 3/8	7/8	1/2	3	1 3/16	4.40
2VP50	5	4.75	2 1/8	1 3/8	7/8	1/2	3	1 3/16	6.30
2VP56	5	5.35	2 1/8	1 3/8	7/8	1/2	3	1 3/16	7.80
2VP60	5	6.00	2 3/8	1 5/8	1/32	21/32	3 1/4	1 1/4	10.60
2VP62	5	5.95	2 1/8	1 3/8	7/8	1/2	3	1 3/16	10.00
2VP65	5	6.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	12.30
2VP68	5	6.55	2 1/8	1 3/8	7/8	1/2	3	1 3/16	11.70
2VP71	5	7.10	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	14.60
2VP75	5	7.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	16.50

STANDARD KEYSEATS

BORE RANGE	KEYSEAT
1/2	none
5/8 to 7/8	3/16 x 3/32
1 to 1 1/4	1/4 x 1/8
1 3/8	5/16 x 5/32
1 5/8	3/8 x 3/16