

ADJUSTABLE PITCH LIGHT DUTY (HVAC) MVL

SHEAVES



DID YOU KNOW THAT...

- Designed for applications up to 5HP
- Bore range 1/2" to 7/8"
- Bulk packaged 20 per carton
- Designed to be used with the MFAL Series

IMPORTANT REMINDER



Do **NOT** use "B" grip notch belt ratings with MVL sheaves.

HOW TO ORDER

EXAMPLE: **MVL30X5/8**

MVL

30

X7/8

MVL: ADJUSTABLE PITCH SHEAVE SERIES

30: Approximate outside diameter 2.87"

X5/8: BORE SIZE (5/8")

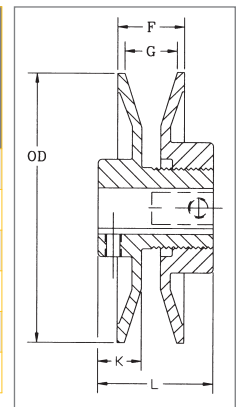
Bore size: Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5" diameter bore would be 1-1/2.

Pulley Adjustment

Modify the sheave pitch diameter by rotating the adjustable flange on the threaded hub of the pulley. Once the required diameter is obtained, tighten the adjusting screw(s) on one of the two flat surfaces.

DIMENSIONS

Part No.	List Price \$	O.D.	Dimensions						Stock Bores Marked "X"				WT (Lbs)
			F		G		L	K	1/2	5/8	3/4	7/8	
			Max.	Min.	Max.	Min.							
MVL25	11.70	2.50	25/32	17/32	5/8	3/8	1 1/2	37/64	X	X	-	-	0.8
MVL30	12.20	2.87	25/32	17/32	5/8	3/8	1 1/2	37/64	X	X	-	-	1.0
MVL34	12.20	3.15	1	5/8	7/8	1/2	1 11/16	37/64	X	X	X	-	1.1
MVL40	15.00	3.75	1	5/8	7/8	1/2	1 11/16	37/64	X	X	X	X	1.5
MVL44	19.00	4.15	1	5/8	7/8	1/2	1 11/16	37/64	X	X	X	X	1.75
1VM50	30.00	4.75	1 1/16	11/16	7/8	1/2	1 7/8	21/32	X	X	X	X	2.8



DATUM DIAMETERS

	Part No.	Datum Diameter, Inches									
		Min.	Max.	0 Turn Close	1 Turn Open	2 Turns Open	3 Turns Open	4 Turns Open	5 Turns Open	6 Turns Open	7 Turns Open
3L Belt	MVL25	1.6	2.4	2.4	2.2	2.0	1.8	1.6	-	-	-
	MVL30	1.8	2.6	2.6	2.4	2.2	2.0	1.8	-	-	-
	MVL34	1.7	2.5	2.5	2.3	2.1	1.9	1.7	-	-	-
	MVL40	2.3	3.1	3.1	2.9	2.7	2.5	2.3	-	-	-
	MVL44	2.7	3.5	3.5	3.3	3.1	2.9	2.7	-	-	-
	1VM50	3.3	4.1	4.1	3.9	3.7	3.5	3.3	-	-	-
A (4L) Belt	MVL25	1.6	2.2	-	-	2.2	2.0	1.8	1.6	-	-
	MVL30	2.0	2.6	-	-	2.6	2.4	2.2	2.0	-	-
	MVL34	1.9	2.9	2.9	2.7	2.5	2.3	2.1	1.9	-	-
	MVL40	2.4	3.4	3.4	3.2	3.0	2.8	2.6	2.4	-	-
	MVL44	2.8	3.8	3.8	3.6	3.4	3.2	3.0	2.8	-	-
	1VM50	3.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	-	-
B* (5L) Belt	MVL25	2.0	2.2	-	-	-	-	2.2	2.0	-	-
	MVL30	2.4	2.6	-	-	-	-	2.6	2.4	-	-
	MVL34	2.4	3.2	-	3.2	3.0	2.8	2.6	2.4	-	-
	MVL40	2.7	3.7	-	3.7	3.5	3.3	3.1	2.9	2.7	-
	MVL44	3.1	4.1	-	4.1	3.9	3.7	3.5	3.3	3.1	-
	1VM50	3.7	4.7	-	4.7	4.5	4.3	4.1	3.9	3.7	-

Pitch Dia. for 3L belts = Datum Dia. + .25"

Pitch Dia. for "A" (4L) belts = Datum Dia. + .25"

Pitch Dia. for "B" (5L) belts = Datum Dia. + .35"

Bore Range	Keyseat
1/2" 5/8" - 7/8"	None 3/16" X 3/32"

