

VARIABLE SPEED DRIVES

FOR CHANGING SPEEDS FREQUENTLY, RAPIDLY AND EFFICIENTLY

The Browning line of variable speed drives comprises one of the world's most complete selections of in-stock variable speed drives, including variable pitch sheaves through 230 hp.

Sheaves for Browning® variable speed drives are available in finished bore or bushing types, for use with exclusive Browning Split Taper® design or Q-D® bushings. They're offered in Classical (A, B, & C), "358" narrow groove, wide range and fractional horsepower types. MVP® sheaves are dynamically-balanced to ensure smooth, vibration-free performance. Select from:

- **VL and VM single groove sheaves**, pitch diameter range 1.6-4.7", for light duty applications up to 5hp.
- **VP single and double groove sheaves**, pitch diameter range 3.4-8.4", designed for heavier duty service up to 30 hp.
- **MVP multiple groove sheaves** (up to 5 grooves available), pitch diameter range 3.4-17.2", for multiple belt drives up to 230 hp.

Choose also from a full range of fixed pitch and companion sheaves, V-belts, adjustable motor bases, motors and drivers, to perform almost any power transmission service.



VL, VM, VP variable speed sheaves



MVP variable speed sheave



MVP® companion sheave

Variable Speed Sheaves

Belt Size	Type		No. of Grooves	Pitch Dia. Range	Bore Range
A-B	MVP®	Bushing Type	2-5	A-5.9-7.0 7.9-9.0 B-6.0-7.4 8.0-9.4	3/4-2 5/8
		Finished Bore	2-5	A-3.4-4.5 6.9-8.0 B3.5-4.9 7.0-8.4	7/8-2 1/8
C	MVP	Bushing Type	2-4	7.5-9.7 11.5-13.7	1-2 5/8
		Finished Bore	5	7.5-9.7 11.5-13.7	1 7/8-3 3/8
5v	MVP	Finished Bore Narrow Groove	3-5*	8.1-9.5 11.1-12.5	1 7/8-3 3/8

*3-Groove is Bushing Type, Bore Range 1 - 2 5/8"

Variable Pitch Sheaves

Type		3L	4L or A	5L or B	5V	
Single Groove Cast Iron	Finished Bore 1/2"-7/8"	VL	1.6"-2.4" 1.8-2.7	1.9-2.9 2.8-3.8		
		VM		1.9-2.9 3.4-4.4	2.4-3.2" 3.7-4.7	
	Finished Bore 1/2-1 1/8	1VP	1.4-2.2 5.1-5.9	1.9-2.9 5.7-6.7	2.4-3.2 5.8-7.0	4.9-8.4
Two Groove Cast Iron	Finished Bore 1/2-2 1/8	2VP	1.9-2.7 5.1-5.9	2.0-3.0 6.7-7.7	2.5-3.3 6.8-7.0	7.2-8.4

Companion Sheaves

A-B	MVP®	Bushing Type	3-5	A-4.6-37.5 B-5.0-38.0	1/2-3 3/4"
C	MVP	Bushing Type	3-5	8.0-50.0	1-5 1/2
5V	MVP	Narrow Groove Bushing Type	3-5	7.9-49.9	1 1/8-5 1/2

For complete catalog dimensions see eCatalog at www.regalbeloit.com



STOCK SHEAVE LISTING

Table No.2 1 and 2 Groove "A-B" Variable Pitch Sheaves

Datum Diameter		1 Groove			2 Grooves		
"A" Belts	"B" Belts	Finished Bore	Finished Bore	Finished Bore	Bushed	Finished Bore	Bushed
		Page 109	Page 107	Page 108		Page 112	Page 113
1.9"-2.9"	2.4"-3.2"	1 VL34	1VP34	-	-	-	-
2.0-3.0	2.5-3.3	-	-	2VP36	-	-	-
2.4-3.4	2.7-3.7	1 VL40	1VP40	-	-	-	-
2.6-3.6	2.9-3.9	-	-	2VP42	-	-	-
2.8-3.8	3.1-4.1	1 VL44	1VP44	-	-	-	-
3.4-4.4	3.7-4.7	1VM50	1VP50	2VP50	-	-	-
3.4-4.5	3.5-4.9	-	-	-	-	2MVP35B49	-
3.9-5.0	4.0-5.4	-	-	-	-	2MVP40B54	-
4.0-5.0	4.3-5.3	-	1VP56	2VP56	-	-	-
4.2-5.2	4.3-5.5	-	1VP60	2VP60	-	-	-
4.4-5.5	4.5-5.9	-	-	-	-	2MVP45B59	-
4.6-5.6	4.9-5.9	-	1VP62	2VP62	-	-	-
4.7-5.7	4.8-6.0	-	1VP65	2VP65	-	-	-
4.9-6.0	5.0-6.4	-	-	-	-	2MVP50B64	-
5.2-6.2	5.5-6.5	-	1VP68	2VP68	-	-	-
5.3-6.3	5.4-6.6	-	1VP71	2VP71	-	-	-
5.4-6.5	5.5-6.9	-	-	-	-	2MVP55B69	-
5.7-6.7	5.8-7.0	-	1VP75	2VP75	2V58B70P	-	-
5.9-7.0	6.0-7.4	-	-	-	-	-	2MVP60B74P
6.7-7.7	6.8-8.0	-	2VP84	-	-	-	-
6.9-8.0	7.0-8.4	-	-	-	-	-	2MVP70B84P
7.9-9.0	8.0-9.4	-	-	-	-	-	2MVP80B94Q

Table No.2 3 to 5 Groove "A-B" Variable Pitch Sheaves

Datum Diameter		3 Grooves		4 Grooves		5 Grooves	
"A" Belts	"B" Belts	Finished Bore	Bushed	Finished Bore	Bushed	Finished Bore	Bushed
		Page 112	Page 113	Page 112	Page 113	Page 112	Page 113
3.4"-4.5	3.5"-4.9"	3MVP35B49	-	4MVP35B49	-	5MVP35B49	-
3.9-5.0	4.0-5.4	3MVP40B54	-	4MVP40B54	-	5MVP40B54	-
4.4-5.5	4.5-5.0	3MVP45B59	-	4MVP45B59	-	5MVP45B59	-
4.9-6.0	5.0-6.4	3MVP50B64	-	4MVP50B64	-	5MVP50B64	-
5.4-6.5	5.5-6.9	3MVP55B69	-	4MVP55B69	-	5MVP55B69	-
5.9-7.0	6.0-7.4	3MVP60B74	3MVP60B74P	4MVP60B74	4MVP60B74P	5MVP60B74	5MVP60B74P
6.9-8.0	7.0-8.4	3MVP70B84	3MVP70B84P	4MVP70B84	4MVP70B84P	5MVP70B84	5MVP70B84P
7.9-9.0	8.0-9.4	-	3MVP80B94Q	-	4MVP80B94Q	-	5MVP80B94Q

Table No.3 2 to 5 Groove "C" Variable Pitch Sheaves

Datum Diameter "C" Belts	2 Grooves		3 Grooves	4 Grooves	5 Grooves
	Bushed	Bushed	Bushed	Bushed	Finished Bore
	Page 116	Page 116	Page 116	Page 116	Page 117
7.2"-9.0"	2V72C90Q	-	-	-	-
7.5-9.7	-	2MVP75C97Q	3MVP75C97Q	4MVP75C97Q	5MVP75C97
8.0-10.2	-	-	3MVP80C102Q	-	-
8.2-10.0	2V82C100Q	-	-	-	-
8.5-10.7	-	2MVP85C107Q	3MVP85C107Q	4MVP85C107Q	5MVP85C107
9.0-11.2	-	-	3MVP90C112Q	-	-
9.2-11.0	2V92C110Q	-	-	-	-
9.5-11.7	-	2MVP95C117Q	3MVP95C117Q	4MVP95C117Q	5MVP95C117
10.5-12.7	-	2MVP105C127Q	3MVP105C127Q	4MVP105C127Q	5MVP105C127
11.5-13.7	-	2MVP115C137Q	3MVP115C137Q	4MVP115C137Q	5MVP115C137

Table No.4 1 to 5 Groove "5V" Variable Pitch Sheaves

Pitch Diameter "5V" Belts	1 Groove	2 Grooves	3 Grooves	4 Grooves	5 Grooves
	Finished Bore	Finished Bore	Finished Bore	Finished Bore	Finished Bore
	Page 107	Page 108	Page 120	Page 120	Page 120
5.3 - 6.3"	1VP62	2VP62	-	-	-
5.2 - 6.4	1VP65	2VP65	-	-	-
5.9 - 6.9	1VP68	2VP68	-	-	-
5.8 - 7.0	1VP71	2VP71	-	-	-
6.2 - 7.4	1VP75	2VP75	-	-	-
7.2 - 8.4	-	2VP84	-	-	-
8.1 - 9.5	-	-	3MVP815V95Q	4MVP815V95	5MVP815V95
9.1 - 10.5	-	-	3MVP915V105Q	4MVP915V105	5MVP915V105
10.1 - 11.5	-	-	3MVP1015V115Q	4MVP1015V115	5MVP1015V115
11.1 - 12.5	-	-	3MVP1115V125Q	4MVP1115V125	5MVP1115V125

VL AND VM CAST IRON SHEAVES

Stock "VL" and "VM" Variable Pitch Sheaves

Part No.	O.D.	F		G		L	Wt. Lbs.
		Max.	Min.	Max.	Min.		
1VL25	2.5	25/32	17/32	5/8	3/8	1 11/16	.8
1VL30	2.87	25/32	17/32	5/8	3/8	1 11/16	.9
1VL34	3.15	31/32	21/32	13/16	1/2	1 7/8	1.2
1VL40	3.75	1 1/32	21/32	7/8	1/2	1 7/8	1.7
1VL44	4.15	1 1/32	21/32	7/8	1/2	1 7/8	1.9
1VM50	4.75	1 1/16	1 1/16	7/8	1/2	1 15/16	1.9



"VL" and "VM" Sheaves are furnished with standard keyseats and hollow head setscrews. Available in both Single pack and "BULK" pack quantities; 20 pieces per carton.

Stock Sizes - Finished Bore (Inches)

PART No.	DIAMETER RANGE												STOCK BORES MARKED "X"			
	"3L" BELTS				"4L" OR "A" BELTS				"5L" OR "B" BELTS				1/2	5/8	3/4	7/8
	MIN. PITCH	TURNS OPEN	MAX. PITCH	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX. DATUM	TURNS OPEN	MIN. DATUM	TURNS OPEN	MAX. DATUM	TURNS OPEN				
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

Standard Keyseats

Bore Range	Keyseat
3/4 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 to 1 3/8*	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

Low Priced, High Production
Cast Iron Sheaves
For Any Light Application