

B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock B5V Sheaves

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
1 Groove, Face Width = 1							
3.8	4.2	4.3	4.48	1B5V42	P1	2 3/16	2.5
4.0	4.4	4.5	4.68	1B5V44	P1	2 3/16	2.8
4.2	4.6	4.7	4.88	1B5V46	B	2 3/16	2.5
4.4	4.8	4.9	5.08	1B5V48	B	2 3/16	2.9
4.6	5.0	5.1	5.28	1B5V50	B	2 3/16	3.3
4.8	5.2	5.3	5.48	1B5V52	B	2 3/16	3.7
5.0	5.4	5.5	5.68	1B5V54	B	2 3/16	4.1
5.2	5.6	5.7	5.88	1B5V56	B	2 3/16	4.5
5.4	5.8	5.9	6.08	1B5V58	B	2 3/16	5.0
5.6	6.0	6.1	6.28	1B5V60	B	2 3/16	5.4
5.8	6.2	6.3	6.48	1B5V62	B	2 3/16	5.3
6.0	6.4	6.5	6.48	1B5V64	B	2 3/16	5.6
6.2	6.6	6.7	6.88	1B5V66	B	2 3/16	6.0
6.4	6.8	6.9	7.08	1B5V68	B	2 3/16	6.4
6.6	7.0	7.1	7.28	1B5V70	B	2 3/16	6.8
7.0	7.4	7.5	7.68	1B5V74	B	2 3/16	7.7
7.6	8.0	8.1	8.28	1B5V80	B	2 5/16	7.5
8.2	8.6	8.7	8.88	1B5V86	B	2 5/16	7.9
8.6	9.0	9.1	9.28	1B5V90	B	2 5/16	8.2
9.0	9.4	9.5	9.68	1B5V94	B	2 5/16	8.5
10.6	11.0	11.1	11.28	1B5V110	B	2 5/16	10.3
12.0	12.4	12.5	12.68	1B5V124	B	2 5/16	11.5
13.2	13.6	13.7	13.88	1B5V136	B	2 5/16	13.3
15.0	15.4	15.5	15.68	1B5V154	B	2 5/16	15.5
15.6	16.0	16.1	16.28	1B5V160	B	2 5/16	16.6
18.0	18.4	18.5	18.68	1B5V184	B	2 5/16	20.0
19.5	20.0	20.1	20.28	1B5V200	B	2 5/16	21.8
22.9	23.4	23.5	23.68	1B5V234	B	2 5/16	28.2
24.5	25.0	25.1	25.28	1B5V250	B	2 5/16	31.4
27.3	27.8	27.9	28.08	1B5V278	B	2 5/16	36.5



- 5V Performance - B Groove Economy
- Combination groove will accept:
 - 4L - A - AX Belts
 - 5L - B - BX Belts
 - 5V - 5VX Belts
- 40% more HP per dollar of cost. (40% cost reduction).
- Reduced need for duplicate inventory of B and 5V Sheaves.
- Simplifies selection.

2 Grooves, Face Width = 1 23/32

3.8	4.2	4.3	4.48	2B5V42	P1	2 9/32	3.7
4.0	4.4	4.5	4.68	2B5V44	P1	2 3/16	4.1
4.2	4.6	4.7	4.88	2B5V46	B	2 31/64	3.3
4.4	4.8	4.9	5.08	2B5V48	B	2 31/64	3.9
4.6	5.0	5.1	5.28	2B5V50	B	2 31/64	4.6
4.8	5.2	5.3	5.48	2B5V52	B	2 31/64	5.3
5.0	5.4	5.5	5.68	2B5V54	B	2 31/64	6.0
5.2	5.6	5.7	5.88	2B5V56	B	2 31/64	6.7
5.4	5.8	5.9	6.08	2B5V58	B	2 31/64	7.4
5.6	6.0	6.1	6.28	2B5V60	B	2 31/64	8.2
5.8	6.2	6.3	6.48	2B5V62	B	2 31/64	9.2
6.0	6.4	6.5	6.48	2B5V64	B	2 31/64	8.4
6.2	6.6	6.7	6.88	2B5V66	B	2 31/64	11.4

Table No. 2 Bushing Specifications

Part No.	Bore Range		Wt. (Lbs.)
	Type 1	Type 2	
P1	1/2 - 1 7/16	1 1/2 - 1 3/4	1.3
B	1/2 - 1 15/16	2 - 2 7/16	1.8

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
2 Grooves (Cont.), Face Width = 1 23/32							
6.4	6.8	6.9	7.08	2B5V68	B	2 31/64	10.2
6.6	7.0	7.1	7.28	2B5V70	B	2 31/64	12.3
7.0	7.4	7.5	7.68	2B5V74	B	2 31/64	14.2
7.6	8.0	8.1	8.28	2B5V80	B	2 31/64	11.3
8.2	8.6	8.7	8.88	2B5V86	B	2 31/64	10.6
8.6	9.0	9.1	9.28	2B5V90	B	2 31/64	11.1
9.0	9.4	9.5	9.68	2B5V94	B	2 31/64	11.6
10.6	11.0	11.1	11.28	2B5V110	B	2 31/64	14.4
12.0	12.4	12.5	12.68	2B5V124	B	2 31/64	17.1
13.2	13.6	13.7	13.88	2B5V136	B	2 31/64	19.3
15.0	15.4	15.5	15.68	2B5V154	B	2 31/64	23.2
15.6	16.0	16.1	16.28	2B5V160	B	2 31/64	24.2
18.0	18.4	18.5	18.68	2B5V184	B	2 31/64	33.2
19.5	20.0	20.1	20.28	2B5V200	B	2 31/64	34.8
22.9	23.4	23.5	23.68	2B5V234	B	2 31/64	37.9
24.5	25.0	25.1	25.28	2B5V250	B	2 31/64	47.0
27.3	27.8	27.9	28.08	2B5V278	B	2 31/64	55.9

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
3 Grooves, Face Width = 2 7/16							
3.8	4.2	4.3	4.48	3B5V42	P1	3 5/16	4.8
4.0	4.4	4.5	4.68	3B5V44	P1	2 23/32	5.2
4.2	4.6	4.7	4.88	3B5V46	B	3 7/16	4.9
4.4	4.8	4.9	5.08	3B5V48	B	3 7/16	5.5
4.6	5.0	5.1	5.28	3B5V50	B	3 7/16	6.1
4.8	5.2	5.3	5.48	3B5V52	B	3 7/16	6.7
5.0	5.4	5.5	5.68	3B5V54	B	2 27/32	7.4
5.2	5.6	5.7	5.88	3B5V56	B	2 27/32	8.4
5.4	5.8	5.9	6.08	3B5V58	B	2 27/32	9.5
5.6	6.0	6.1	6.28	3B5V60	B	2 27/32	10.6
5.8	6.2	6.3	6.48	3B5V62	B	2 27/32	9.8
6.0	6.4	6.5	6.68	3B5V64	B	2 27/32	10.5
6.2	6.6	6.7	6.88	3B5V66	B	2 27/32	10.4
6.4	6.8	6.9	7.08	3B5V68	B	2 27/32	10.9
6.6	7.0	7.1	7.28	3B5V70	B	2 27/32	11.5
7.0	7.4	7.5	7.68	3B5V74	B	2 27/32	12.6
7.6	8.0	8.1	8.28	3B5V80	B	2 27/32	14.2
8.2	8.6	8.7	8.88	3B5V86	B	2 27/32	13.7
8.6	9.0	9.1	9.28	3B5V90	B	2 27/32	14.5
9.0	9.4	9.5	9.68	3B5V94	B	2 27/32	17.0
10.6	11.0	11.1	11.28	3B5V110	B	2 27/32	19.8
12.0	12.4	12.5	12.68	3B5V124	B	2 27/32	22.1
13.2	13.6	13.7	13.88	3B5V136	B	2 27/32	24.9
15.0	15.4	15.5	15.68	3B5V154	B	2 27/32	30.4
15.6	16.0	16.1	16.28	3B5V160	B	2 27/32	31.7
18.0	18.4	18.5	18.68	3B5V184	B	2 27/32	40.9
19.5	20.0	20.1	20.28	3B5V200	B	2 27/32	47.6
22.9	23.4	23.5	23.68	3B5V234	B	2 27/32	61.5
24.5	25.0	25.1	25.28	3B5V250	B	2 27/32	66.6
27.3	27.8	27.9	28.08	3B5V278	B	2 27/32	79.1

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
4 Grooves, Face Width = 3 5/32							
3.8	4.2	4.3	4.48	4B5V42	P1	4 1/32	5.9
4.0	4.4	4.5	4.68	4B5V44	P1	3 29/64	6.3
4.2	4.6	4.7	4.88	4B5V46	B	4 5/32	6.1
4.4	4.8	4.9	5.08	4B5V48	B	4 5/32	6.7
4.6	5.0	5.1	5.28	4B5V50	B	4 5/32	7.4
4.8	5.2	5.3	5.48	4B5V52	B	4 5/32	8.0
5.0	5.4	5.5	5.68	4B5V54	B	3 13/64	8.9
5.2	5.6	5.7	5.88	4B5V56	B	3 13/64	9.5
5.4	5.8	5.9	6.08	4B5V58	B	3 13/64	10.3
5.6	6.0	6.1	6.28	4B5V60	B	3 13/64	11.0
5.8	6.2	6.3	6.48	4B5V62	B	3 13/64	11.3
6.0	6.4	6.5	6.68	4B5V64	B	3 13/64	12.1
6.2	6.6	6.7	6.88	4B5V66	B	3 13/64	12.0
6.4	6.8	6.9	7.08	4B5V68	B	3 13/64	12.6
6.6	7.0	7.1	7.28	4B5V70	B	3 13/64	13.2
7.0	7.4	7.5	7.68	4B5V74	B	3 13/64	14.5
7.6	8.0	8.1	8.28	4B5V80	B	3 13/64	15.2
8.2	8.6	8.7	8.88	4B5V86	B	3 13/64	16.6
8.6	9.0	9.1	9.28	4B5V90	B	3 13/64	17.6
9.0	9.4	9.5	9.68	4B5V94	B	3 13/64	20.0
10.6	11.0	11.1	11.28	4B5V110	B	3 13/64	22.8
12.0	12.4	12.5	12.68	4B5V124	B	3 13/64	26.5
13.2	13.6	13.7	13.88	4B5V136	B	3 13/64	30.7
15.0	15.4	15.5	15.68	4B5V154	B	3 13/64	37.9
15.6	16.0	16.1	16.28	4B5V160	B	3 13/64	40.5
18.0	18.4	18.5	18.68	4B5V184	B	3 13/64	50.7
19.5	20.0	20.1	20.28	4B5V200	B	3 13/64	58.5
22.9	23.4	23.5	23.68	4B5V234	B	3 13/64	73.9
24.5	25.0	25.1	25.28	4B5V250	B	3 13/64	83.8
27.3	27.8	27.9	28.08	4B5V278	B	3 13/64	94.3

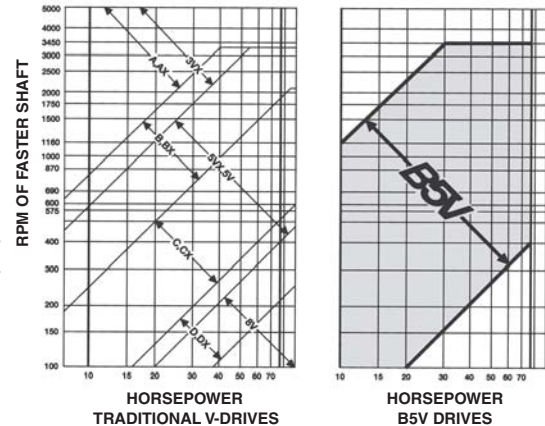


Browning B5V...The most significant advance in belt drives since the V-groove!

With the introduction of the revolutionary B5V line, Browning brings up-to-the-minute technology to drive design, operation and inventory control. Now - more than ever - when you specify Browning, you select from the most extensive V-belt drive line in the world.

- **Combination groove B5V Sheaves - with 170 plus components covering 10-125 hp range. Mix and match with conventional A, B and 5V components.**

B5V sheaves serve 90% of all 10-125 hp applications!



B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "B5V" Sheaves

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
5 Grooves, Face Width = 3 7/8							
3.8	4.2	4.3	4.48	5B5V42	P2	4 3/4	7.83
4.0	4.4	4.5	4.68	5B5V44	P2	4 3/4	8.73
4.2	4.6	4.7	4.88	5B5V46	P2	4 3/4	9.46
4.4	4.8	4.9	5.08	5B5V48	P2	4 3/4	10.31
4.6	5.0	5.1	5.28	5B5V50	Q1	4 29/32	9.63
4.8	5.2	5.3	5.48	5B5V52	Q1	4 29/32	10.79
5.0	5.4	5.5	5.68	5B5V54	Q1	4 29/32	11.98
5.2	5.6	5.7	5.88	5B5V56	Q1	4 9/32	10.41
5.4	5.8	5.9	6.08	5B5V58	Q1	4 9/32	12.35
5.6	6.0	6.1	6.28	5B5V60	Q1	4 9/32	13.86
5.8	6.2	6.3	6.48	5B5V62	Q1	4 9/32	14.94
6.0	6.4	6.5	6.68	5B5V64	Q1	4 9/32	16.78
6.2	6.6	6.7	6.88	5B5V66	Q1	4 9/32	17.19
6.4	6.8	6.9	7.08	5B5V68	Q1	4 9/32	18.09
6.6	7.0	7.1	7.28	5B5V70	Q1	4 1/4	21.05
7.0	7.4	7.5	7.68	5B5V74	Q1	4 1/4	20.95
7.6	8.0	8.1	8.28	5B5V80	R1	4 5/32	28.44
8.2	8.6	8.7	8.88	5B5V86	R1	4 5/32	26.89
8.6	9.0	9.1	9.28	5B5V90	R1	4 5/32	87.84
9.0	9.4	9.5	9.68	5B5V94	R1	4 5/32	28.61
10.6	11.0	11.1	11.28	5B5V110	R1	4 3/32	42.31
12.0	12.4	12.5	12.68	5B5V124	R1	4 3/32	52.15
13.2	13.6	13.7	13.88	5B5V136	R1	4 3/32	45.12
15.0	15.4	15.5	15.68	5B5V154	R1	4 3/32	55.98
15.6	16.0	16.1	16.28	5B5V160	R1	4 3/32	60.19
18.0	18.4	18.5	18.68	5B5V184	R1	4 3/32	77.25
19.5	20.0	20.1	20.28	5B5V200	R1	4 3/32	91.21
24.5	25.0	25.1	25.28	5B5V250	R1	4 3/32	130.19



- 5V Performance - B Groove Economy
- Combination groove will accept:
 - 4L - A - AX Belts
 - 5L - B - BX Belts
 - 5V - 5VX Belts
- 40% more hp per dollar of cost. (40% cost reduction).
- Reduced need for duplicate inventory of B and 5V Sheaves.
- Simplifies selection.

6 Grooves, Face Width = 4 19/32

3.8	4.2	4.3	4.48	6B5V42	P2	5 15/32	8.97
4.0	4.4	4.5	4.68	6B5V44	P2	5 15/32	9.93
4.2	4.6	4.7	4.88	6B5V46	P2	5 15/32	10.64
4.4	4.8	4.9	5.08	6B5V48	P2	5 15/32	11.53
4.6	5.0	5.1	5.28	6B5V50	Q2	5 5/8	10.91
4.8	5.2	5.3	5.48	6B5V52	Q2	5 5/8	12.13
5.0	5.4	5.5	5.68	6B5V54	Q2	5 5/8	13.39
5.2	5.6	5.7	5.88	6B5V56	Q2	5 5/8	12.86
5.4	5.8	5.9	6.08	6B5V58	Q1	5 5/8	13.65
5.6	6.0	6.1	6.28	6B5V60	Q1	5 5/8	14.86
5.8	6.2	6.3	6.48	6B5V62	Q1	5 5/8	16.51
6.0	6.4	6.5	6.68	6B5V64	Q1	5 5/8	17.38
6.2	6.6	6.7	6.88	6B5V66	Q1	5 5/8	18.52
6.4	6.8	6.9	7.08	6B5V68	Q1	5 5/8	20.14
6.6	7.0	7.1	7.28	6B5V70	Q2	4 39/64	23.01
7.0	7.4	7.5	7.68	6B5V74	Q2	4 39/64	22.93
7.6	8.0	8.1	8.28	6B5V80	R1	4 19/32	32.55
8.2	8.6	8.7	8.88	6B5V86	R1	4 19/32	29.63
8.6	9.0	9.1	9.28	6B5V90	R1	4 19/32	30.67
9.0	9.4	9.5	9.68	6B5V94	R1	4 19/32	31.35
10.6	11.0	11.1	11.28	6B5V110	R1	4 19/32	45.69
12.0	12.4	12.5	12.68	6B5V124	R1	4 19/32	52.23
13.2	13.6	13.7	13.88	6B5V136	R1	4 19/32	48.81
15.0	15.4	15.5	15.68	6B5V154	R1	4 19/32	60.36
15.6	16.0	16.1	16.28	6B5V160	R1	4 19/32	63.72
18.0	18.4	18.5	18.68	6B5V184	R1	4 19/32	82.89
19.5	20.0	20.1	20.28	6B5V200	R1	4 19/32	100.23
24.5	25.0	25.1	25.28	6B5V250	R1	4 19/32	140.18

Mix and match with present drive components.

Using the B5V sheave does not make present V-drive components obsolete. In fact, a B5V sheave may be used at any time as the driver or the driven sheave in the same drive with a traditional A/B or 5V sheave, and of course use the same belts. Note: Because B and 5V sheaves utilize different groove spacing, B5V sheaves are not designed for use with banded belts.