



FHP Fixed Speed Drives

PROCEDURE

- 1. Calculate the Drive Ratio:** DriveR RPM divided by DriveN RPM.
- 2. Calculate the Design Horsepower:** Multiply motor HP by the "combined Correction Factor" listed below. If the exact type of machine is not listed, use the one that most nearly matches the application.
- 3. Select DriveR Sheave:** In the HP Rating Tables, scan the RPM column for the HP rating that is equal to or greater than the Design HP calculated in Step 2. The DriveR sheave size is listed in the left-hand column. Normally the smallest diameter sheave alternative that covers the Design HP will result in the most economical drive.
- 4. Select the DriveN Sheave:** Refer to the appropriate "Ratio Table". Choose the DriveN Sheave at the intersection of the calculated ratio and the DriveR Sheave.
- 5. Select Belt Length:** Add DriveR and DriveN sheave diameters. Locate this number on the top row of the Center Distance Table. Trace down to the desired center distance in this column. The appropriate belt length will be listed in the left hand column. Belt length is indicated by the belt nomenclature: e.g., 4L350 is 35.0" long, 5L530 is 53.0" long, B36 is 36" long, etc.

NOTE: This procedure will provide approximate center distance. For more accurate results, refer to the "Non-Standard Drive Selection Procedure" for S-L Classic V-Drives.

6. Two Belt Drives: If the Design Horsepower is greater than the belt listed belt rating, divide the DHP by two, and proceed as though it were a single belt drive. CAUTION: FHP belts are not matched, and are therefore not normally recommended for two-belt drives. A, B, AX, or BX belts are matched and may be substituted. Also, these classical belts may have a significantly higher HP rating, which could allow for a more economical single belt drive.

COMBINED CORRECTION FACTOR

Driven Machine	Speed Ratio	
	Under 1.5	1.5 and Over
Fans & Blowers	1.0	0.9
Domestic Laundry Mach.	1.1	1.0
Centrifugal Pumps	1.1	1.0
Generators	1.2	1.1
Rotary Compressors	1.3	1.1
Machine Tools	1.3	1.2
Reciprocating Pumps	1.4	1.3
Recip. Compressors	1.4	1.3
Woodworking Machy.,	1.4	1.3

HORSEPOWER RATINGS

3L Section V-Belts

Small Shv.	Belt Horsepower Rating for RPM of Faster Shaft **											
O.D.	1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
1.50	0.07	0.09	0.11	0.07	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.09
1.75	0.13	0.17	0.25	0.12	0.15	0.19	0.21	0.23	0.25	0.26	0.26	0.26
2.00	0.18	0.25	0.38	0.16	0.22	0.27	0.31	0.35	0.38	0.40	0.42	0.42
2.25	0.23	0.32	0.50	0.21	0.29	0.35	0.41	0.46	0.50	0.54	0.56	0.57
2.50	0.28	0.39	0.62	0.25	0.35	0.43	0.51	0.57	0.62	0.66	0.68	0.69
2.75	0.34	0.46	0.73	0.30	0.41	0.51	0.60	0.68	0.74	0.78	0.80	0.80
3.00	0.39	0.54	0.83	0.34	0.47	0.59	0.69	0.78	0.84	0.88	0.90	0.89

** Synchronous belt drives are suggested for lower RPM's.

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SELECTION



Horsepower Ratings

4L, A, AX Section Belts

Small Shv. O.D.	Belt Section	Belt Horsepower Rating for RPM of Faster Shaft **											
		1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
2.00*	4L	0.12	0.12	0.02	0.11	0.12	0.11	0.09	0.06	0.02	-	-	-
	A	-	-	-	-	-	-	-	-	-	-	-	-
	AX	-	1.24	1.40	-	-	1.30	1.38	1.42	1.40	1.35	1.25	1.08
2.25*	4L	0.23	0.28	0.30	0.21	0.26	0.30	0.31	0.31	0.30	0.27	0.22	0.15
	A	-	1.17	1.60	-	-	1.26	1.40	1.52	1.60	1.64	1.65	1.62
	AX	-	1.58	1.98	-	1.23	1.68	1.83	1.94	1.98	1.98	1.92	1.82
2.50	4L	0.34	0.44	0.57	0.31	0.40	0.47	0.53	0.56	0.57	0.56	0.54	0.47
	A	-	1.55	2.26	-	1.40	1.60	1.91	2.11	2.31	2.42	2.50	2.48
	AX	-	2.05	2.73	-	1.87	2.19	2.52	2.69	2.74	2.83	2.85	2.83
2.75	4L	0.45	0.60	0.83	0.41	0.54	0.65	0.73	0.79	0.83	0.83	0.81	0.78
	A	-	1.92	2.61	-	1.74	2.21	2.39	2.68	2.89	3.03	3.12	3.18
	AX	-	2.50	3.53	-	2.31	2.72	3.13	3.40	3.57	3.70	3.84	3.91
3.00	4L	0.56	0.75	1.07	0.50	0.67	0.82	0.94	1.02	1.07	1.09	1.07	1.01
	A	1.68	2.23	3.34	-	1.97	2.42	2.78	3.09	3.41	3.52	3.64	3.67
	AX	2.22	2.90	4.14	-	2.63	3.14	3.58	3.89	4.01	4.40	4.59	4.71
3.25	4L	0.67	0.90	1.30	0.60	0.81	0.99	1.13	1.24	1.31	1.33	1.30	1.23
	A	1.97	2.61	3.79	-	2.37	2.85	3.24	3.57	3.78	3.95	4.08	4.11
	AX	2.45	3.25	4.81	-	2.88	3.57	3.94	4.41	4.78	5.12	5.31	5.47
3.5	4L	0.77	1.05	1.52	0.69	0.94	1.15	1.32	1.45	1.53	1.55	1.51	1.41
	A	2.32	3.13	4.66	2.07	2.81	3.42	3.93	4.35	4.65	4.84	4.90	4.83
	AX	2.79	3.68	5.68	2.51	3.31	4.01	4.61	5.19	5.64	6.08	6.37	6.54
3.75	4L	0.86	1.20	1.73	0.78	1.07	1.31	1.51	1.65	1.73	1.75	1.69	1.55
	A	2.63	3.58	5.35	-	3.17	3.90	4.51	4.98	5.31	5.56	5.67	5.63
	AX	3.05	4.06	6.43	-	3.66	4.44	5.20	5.87	6.41	6.87	7.09	7.40
4.00	4L	0.98	1.34	1.92	0.87	1.20	1.47	1.69	1.84	1.92	1.92	1.84	1.65
	A	2.94	4.01	6.02	2.62	3.58	4.40	4.10	5.64	6.04	6.29	6.37	6.28
	AX	3.34	4.46	7.14	3.00	3.95	4.93	5.78	6.52	7.13	7.64	7.98	8.19

5L, B, BX Section Belts

Small Shv. O.D.	Belt Section	Belt Horsepower Rating for RPM of Faster Shaft **											
		1160	1750	3450	1000	1500	2000	2500	3000	3500	4000	4500	5000
3.00*	5L	0.28	0.27	-	0.27	0.28	0.24	0.16	0.04	-	-	-	-
	B	1.35	1.58	1.28	-	1.51	1.62	1.61	1.50	1.27	0.95	0.45	-
	BX	2.90	3.72	5.16	-	3.38	4.02	4.51	4.90	5.15	5.31	5.33	5.25
3.25*	5L	0.46	0.52	0.28	0.43	0.50	1.52	0.49	0.41	0.26	0.04	-	-
	B	1.72	2.03	2.00	-	1.89	2.18	2.22	2.17	1.98	1.75	1.25	0.75
	BX	3.29	4.20	5.92	-	3.81	4.50	5.15	5.59	5.85	6.12	6.18	6.15
3.50	5L	0.63	0.77	0.65	0.58	0.72	0.80	0.82	0.76	0.63	0.42	0.12	-
	B	2.20	2.67	3.05	1.80	2.45	2.80	3.05	3.12	3.14	3.84	2.36	1.82
	BX	3.76	4.77	6.87	2.87	4.37	5.20	5.91	6.51	6.92	7.15	7.26	7.16
3.75	5L	0.81	1.01	1.00	0.74	0.94	1.07	1.13	1.10	0.99	0.77	0.44	-
	B	2.61	3.31	4.01	2.33	2.98	3.52	3.87	4.02	4.03	3.81	3.38	2.75
	BX	4.22	5.45	7.85	3.70	4.83	5.87	6.60	7.40	7.92	8.12	8.35	8.20
4.00	5L	0.98	1.25	1.33	0.89	1.15	1.33	1.43	1.43	1.31	1.08	0.71	0.19
	B	3.00	3.77	4.70	2.66	3.40	4.04	4.45	4.68	4.70	4.43	4.03	3.39
	BX	4.58	5.93	8.57	4.02	5.32	6.46	7.35	8.07	8.53	8.88	8.97	8.92
4.25	5L	1.15	1.49	1.63	1.04	1.36	1.59	1.72	1.73	1.62	1.35	0.93	0.33
	B	3.35	4.19	5.32	2.95	3.81	4.53	5.05	5.31	5.35	5.18	5.65	3.95
	BX	4.98	6.39	9.23	4.42	5.74	7.06	7.91	8.71	9.19	9.61	9.60	9.58
4.50	5L	1.32	1.72	1.91	1.19	1.57	1.84	2.00	2.02	1.89	1.59	1.10	0.39
	B	3.81	4.87	5.31	3.81	4.41	5.26	5.73	6.12	6.23	5.98	5.41	4.52
	BX	5.37	6.99	10.12	4.71	6.28	7.61	8.66	9.52	10.12	10.52	10.62	10.45
4.75	5L	1.49	1.95	2.16	1.34	1.77	2.09	2.27	2.29	2.14	1.79	1.21	0.38
	B	4.38	5.61	7.00	3.82	5.14	6.01	6.70	7.01	7.00	6.71	6.04	5.04
	BX	5.80	7.54	12.02	5.06	6.82	8.20	9.51	10.50	11.41	11.75	11.90	11.46
5.00	5L	1.66	2.17	2.39	1.49	1.98	2.33	2.53	2.55	2.36	1.94	1.26	0.28
	B	4.75	6.16	7.69	4.21	5.57	6.65	7.35	7.74	7.69	7.25	6.54	-
	BX	6.15	8.08	12.28	5.38	7.29	8.90	10.59	11.47	12.30	12.73	12.76	-

NOTES:* These sizes are below min. recommended diameter

** Synchronous belt drives are suggested for lower RPM's.

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SELECTION



Ratio Table

AK, 2AK, AKH, 2AKH SHEAVE SERIES																		
Driven Shv.	Driver Sheave																	
	AK20	AK21	AK22	AK23	AK25	AK26	AK27	AK28	AK30	AK32	AK34	AK39	AK41	AK44	AK46	AK49	AK51	AK54
AK20	1.00	0.95	0.90	0.86	0.78	0.75	0.72	0.69	0.64	0.60	0.56	0.51	0.49	0.45	0.43	0.40	0.38	0.36
AK21	1.06	1.00	0.95	0.90	0.83	0.79	0.76	0.73	0.68	0.63	0.59	0.54	0.51	0.48	0.45	0.42	0.40	0.38
AK22	1.11	1.05	1.00	0.95	0.87	0.83	0.80	0.77	0.71	0.67	0.63	0.57	0.54	0.50	0.48	0.44	0.43	0.40
AK23	1.17	1.11	1.05	1.00	0.91	0.88	0.84	0.81	0.75	0.70	0.66	0.60	0.57	0.53	0.50	0.47	0.45	0.42
AK25	1.28	1.21	1.15	1.10	1.00	0.96	0.92	0.88	0.82	0.77	0.72	0.66	0.62	0.58	0.55	0.51	0.49	0.46
AK26	1.33	1.26	1.20	1.14	1.04	1.00	0.96	0.92	0.86	0.80	0.75	0.69	0.65	0.60	0.57	0.53	0.51	0.48
AK27	1.39	1.32	1.25	1.19	1.09	1.04	1.00	0.96	0.89	0.83	0.78	0.71	0.68	0.63	0.60	0.56	0.53	0.50
AK28	1.44	1.37	1.30	1.24	1.13	1.08	1.04	1.00	0.93	0.87	0.81	0.74	0.70	0.65	0.62	0.58	0.55	0.52
AK30	1.56	1.47	1.40	1.33	1.22	1.17	1.12	1.08	1.00	0.93	0.88	0.80	0.76	0.70	0.67	0.62	0.60	0.56
AK32	1.67	1.58	1.50	1.43	1.30	1.25	1.20	1.15	1.07	1.00	0.94	0.86	0.81	0.75	0.71	0.67	0.64	0.60
AK34	1.78	1.68	1.60	1.52	1.39	1.33	1.28	1.23	1.14	1.07	1.00	0.91	0.86	0.80	0.76	0.71	0.68	0.64
AK39	1.94	1.84	1.75	1.67	1.52	1.46	1.40	1.35	1.25	1.17	1.09	1.00	0.95	0.88	0.83	0.78	0.74	0.70
AK41	2.06	1.95	1.85	1.76	1.61	1.54	1.48	1.42	1.32	1.23	1.16	1.06	1.00	0.93	0.88	0.82	0.79	0.74
AK44	2.22	2.11	2.00	1.90	1.74	1.67	1.60	1.54	1.43	1.33	1.25	1.14	1.08	1.00	0.95	0.89	0.85	0.80
AK46	2.33	2.21	2.10	2.00	1.83	1.75	1.68	1.62	1.50	1.40	1.31	1.20	1.14	1.05	1.00	0.93	0.89	0.84
AK49	2.50	2.37	2.25	2.14	1.96	1.88	1.80	1.73	1.61	1.50	1.41	1.29	1.22	1.13	1.07	1.00	0.96	0.90
AK51	2.61	2.47	2.35	2.24	2.04	1.96	1.88	1.81	1.68	1.57	1.47	1.34	1.27	1.18	1.12	1.04	1.00	0.94
AK54	2.72	2.58	2.45	2.33	2.13	2.04	1.96	1.88	1.75	1.63	1.53	1.40	1.32	1.23	1.17	1.09	1.04	0.98
AK56	2.89	2.74	2.60	2.48	2.26	2.17	2.08	2.00	1.86	1.73	1.63	1.49	1.41	1.30	1.24	1.16	1.11	1.04
AK59	3.06	2.89	2.75	2.62	2.39	2.29	2.20	2.12	1.96	1.83	1.72	1.57	1.49	1.38	1.31	1.22	1.17	1.10
AK61	3.17	3.00	2.85	2.71	2.48	2.37	2.28	2.19	2.04	1.90	1.78	1.63	1.54	1.43	1.36	1.27	1.21	1.14
AK64	3.33	3.16	3.00	2.86	2.61	2.50	2.40	2.31	2.14	2.00	1.88	1.71	1.62	1.50	1.43	1.33	1.28	1.20
AK66	3.44	3.26	3.10	2.95	2.70	2.58	2.48	2.38	2.21	2.07	1.94	1.77	1.68	1.55	1.48	1.38	1.32	1.24
AK69	3.61	3.42	3.25	3.10	2.83	2.71	2.60	2.50	2.32	2.17	2.03	1.86	1.76	1.63	1.55	1.44	1.38	1.30
AK71	3.72	3.53	3.35	3.19	2.91	2.79	2.68	2.58	2.39	2.23	2.09	1.91	1.81	1.68	1.60	1.49	1.43	1.34
AK74	3.89	3.68	3.50	3.33	3.04	2.92	2.80	2.69	2.50	2.33	2.19	2.00	1.89	1.75	1.67	1.56	1.49	1.40
AK79	4.17	3.95	3.75	3.57	3.26	3.13	3.00	2.88	2.68	2.50	2.34	2.14	2.03	1.88	1.79	1.67	1.60	1.50
AK84	4.44	4.21	4.00	3.81	3.48	3.33	3.20	3.08	2.86	2.67	2.50	2.29	2.16	2.00	1.90	1.78	1.70	1.60
AK89	4.72	4.47	4.25	4.05	3.70	3.54	3.40	3.27	3.04	2.83	2.66	2.43	2.30	2.13	2.02	1.89	1.81	1.70
AK94	5.00	4.74	4.50	4.29	3.91	3.75	3.60	3.46	3.21	3.00	2.81	2.57	2.43	2.25	2.14	2.00	1.91	1.80
AK99	5.28	5.00	4.75	4.52	4.13	3.96	3.80	3.65	3.39	3.17	2.97	2.71	2.57	2.38	2.26	2.11	2.02	1.90
AK104	5.56	5.26	5.00	4.76	4.35	4.17	4.00	3.85	3.57	3.33	3.13	2.86	2.70	2.50	2.38	2.22	2.13	2.00
AK109	5.89	5.58	5.30	5.05	4.61	4.42	4.24	4.08	3.79	3.53	3.31	3.03	2.86	2.65	2.52	2.36	2.26	2.12
AK114	6.11	5.79	5.50	5.24	4.78	4.58	4.40	4.23	3.93	3.67	3.44	3.14	2.97	2.75	2.62	2.44	2.34	2.20
AK124	6.67	6.32	6.00	5.71	5.22	5.00	4.80	4.62	4.29	4.00	3.75	3.43	3.24	3.00	2.86	2.67	2.55	2.40
AK134	7.22	6.84	6.50	6.19	5.65	5.42	5.20	5.00	4.64	4.33	4.06	3.71	3.51	3.25	3.10	2.89	2.77	2.60
AK144	7.78	7.37	7.00	6.67	6.09	5.83	5.60	5.38	5.00	4.67	4.38	4.00	3.78	3.50	3.33	3.11	2.98	2.80
AK154	8.33	7.89	7.50	7.14	6.52	6.25	6.00	5.77	5.36	5.00	4.69	4.29	4.05	3.75	3.57	3.33	3.19	3.00
AK184	10.0	9.47	9.00	8.57	7.83	7.50	7.20	6.92	6.43	6.00	5.63	5.14	4.86	4.50	4.29	4.00	3.83	3.60

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SELECTION



Ratio Table

BK, 2BK, BKH, 2BKH SERIES																					
Driven Shv.	Driver Sheave																				
	BK23	BK24	BK25	BK26	BK27	BK28	BK30	BK31	BK32	BK34	BK36	BK40	BK45	BK47	BK50	BK52	BK55	BK57	BK60	BK62	BK65
BK23	1.00	0.95	0.91	0.88	0.84	0.81	0.75	0.72	0.70	0.66	0.62	0.58	0.54	0.51	0.48	0.46	0.43	0.41	0.39	0.38	0.36
BK24	1.05	1.00	0.96	0.92	0.88	0.85	0.79	0.76	0.73	0.69	0.65	0.61	0.56	0.54	0.50	0.48	0.45	0.43	0.41	0.39	0.37
BK25	1.10	1.05	1.00	0.96	0.92	0.88	0.82	0.79	0.77	0.72	0.68	0.64	0.59	0.56	0.52	0.50	0.47	0.45	0.43	0.41	0.39
BK26	1.14	1.09	1.04	1.00	0.96	0.92	0.86	0.83	0.80	0.75	0.71	0.67	0.62	0.59	0.55	0.52	0.49	0.47	0.44	0.43	0.41
BK27	1.19	1.14	1.09	1.04	1.00	0.96	0.89	0.86	0.83	0.78	0.74	0.69	0.64	0.61	0.57	0.54	0.51	0.49	0.46	0.45	0.42
BK28	1.24	1.18	1.13	1.08	1.04	1.00	0.93	0.90	0.87	0.81	0.76	0.72	0.67	0.63	0.59	0.57	0.53	0.51	0.48	0.46	0.44
BK30	1.33	1.27	1.22	1.17	1.12	1.08	1.00	0.97	0.93	0.88	0.82	0.78	0.72	0.68	0.64	0.61	0.57	0.55	0.52	0.50	0.47
BK31	1.38	1.32	1.26	1.21	1.16	1.12	1.04	1.00	0.97	0.91	0.85	0.81	0.74	0.71	0.66	0.63	0.59	0.57	0.54	0.52	0.49
BK32	1.43	1.36	1.30	1.25	1.20	1.15	1.07	1.03	1.00	0.94	0.88	0.83	0.77	0.73	0.68	0.65	0.61	0.59	0.56	0.54	0.51
BK34	1.52	1.45	1.39	1.33	1.28	1.23	1.14	1.10	1.07	1.00	0.94	0.89	0.82	0.78	0.73	0.70	0.65	0.63	0.59	0.57	0.54
BK36	1.62	1.55	1.48	1.42	1.36	1.31	1.21	1.17	1.13	1.06	1.00	0.94	0.87	0.83	0.77	0.74	0.69	0.67	0.63	0.61	0.58
BK40	1.71	1.64	1.57	1.50	1.44	1.38	1.29	1.24	1.20	1.13	1.06	1.00	0.92	0.88	0.82	0.78	0.73	0.71	0.67	0.64	0.61
BK45	1.86	1.77	1.70	1.63	1.56	1.50	1.39	1.34	1.30	1.22	1.15	1.08	1.00	0.95	0.89	0.85	0.80	0.76	0.72	0.70	0.66
BK47	1.95	1.86	1.78	1.71	1.64	1.58	1.46	1.41	1.37	1.28	1.21	1.14	1.05	1.00	0.93	0.89	0.84	0.80	0.76	0.73	0.69
BK50	2.10	2.00	1.91	1.83	1.76	1.69	1.57	1.52	1.47	1.38	1.29	1.22	1.13	1.07	1.00	0.96	0.90	0.86	0.81	0.79	0.75
BK52	2.19	2.09	2.00	1.92	1.84	1.77	1.64	1.59	1.53	1.44	1.35	1.28	1.18	1.12	1.05	1.00	0.94	0.90	0.85	0.82	0.78
BK55	2.33	2.23	2.13	2.04	1.96	1.88	1.75	1.69	1.63	1.53	1.44	1.36	1.26	1.20	1.11	1.07	1.00	0.96	0.91	0.88	0.83
BK57	2.43	2.32	2.22	2.12	2.04	1.96	1.82	1.76	1.70	1.59	1.50	1.42	1.31	1.24	1.16	1.11	1.04	1.00	0.94	0.91	0.86
BK60	2.57	2.45	2.35	2.25	2.16	2.08	1.93	1.86	1.80	1.69	1.59	1.50	1.38	1.32	1.23	1.17	1.10	1.06	1.00	0.96	0.92
BK62	2.67	2.55	2.43	2.33	2.24	2.15	2.00	1.93	1.87	1.75	1.65	1.56	1.44	1.37	1.27	1.22	1.14	1.10	1.04	1.00	0.95
BK65	2.81	2.68	2.57	2.46	2.36	2.27	2.11	2.03	1.97	1.84	1.74	1.64	1.51	1.44	1.34	1.28	1.20	1.16	1.09	1.05	1.00
BK67	2.90	2.77	2.65	2.54	2.44	2.35	2.18	2.10	2.03	1.91	1.79	1.69	1.56	1.49	1.39	1.33	1.24	1.20	1.13	1.09	1.03
BK70	3.05	2.91	2.78	2.67	2.56	2.46	2.29	2.21	2.13	2.00	1.88	1.78	1.64	1.56	1.45	1.39	1.31	1.25	1.19	1.14	1.08
BK72	3.14	3.00	2.87	2.75	2.64	2.54	2.36	2.28	2.20	2.06	1.94	1.83	1.69	1.61	1.50	1.43	1.35	1.29	1.22	1.18	1.12
BK75	3.29	3.14	3.00	2.88	2.76	2.65	2.46	2.38	2.30	2.16	2.03	1.92	1.77	1.68	1.57	1.50	1.41	1.35	1.28	1.23	1.17
BK77	3.38	3.23	3.09	2.96	2.84	2.73	2.54	2.45	2.37	2.22	2.09	1.97	1.82	1.73	1.61	1.54	1.45	1.39	1.31	1.27	1.20
BK80	3.52	3.36	3.22	3.08	2.96	2.85	2.64	2.55	2.47	2.31	2.18	2.06	1.90	1.80	1.68	1.61	1.51	1.45	1.37	1.32	1.25
BK85	3.76	3.59	3.43	3.29	3.16	3.04	2.82	2.72	2.63	2.47	2.32	2.19	2.03	1.93	1.80	1.72	1.61	1.55	1.46	1.41	1.34
BK90	4.00	3.82	3.65	3.50	3.36	3.23	3.00	2.90	2.80	2.63	2.47	2.33	2.15	2.05	1.91	1.83	1.71	1.65	1.56	1.50	1.42
BK95	4.24	4.05	3.87	3.71	3.56	3.42	3.18	3.07	2.97	2.78	2.62	2.47	2.28	2.17	2.02	1.93	1.82	1.75	1.65	1.59	1.51
BK100	4.48	4.27	4.09	3.92	3.76	3.62	3.36	3.24	3.13	2.94	2.76	2.61	2.41	2.29	2.14	2.04	1.92	1.84	1.74	1.68	1.59
BK105	4.71	4.50	4.30	4.12	3.96	3.81	3.54	3.41	3.30	3.09	2.91	2.75	2.54	2.41	2.25	2.15	2.02	1.94	1.83	1.77	1.68
BK110	4.95	4.73	4.52	4.33	4.16	4.00	3.71	3.59	3.47	3.25	3.06	2.89	2.67	2.54	2.36	2.26	2.12	2.04	1.93	1.86	1.76
BK115	5.19	4.95	4.74	4.54	4.36	4.19	3.89	3.76	3.63	3.41	3.21	3.03	2.79	2.66	2.48	2.37	2.22	2.14	2.02	1.95	1.85
BK120	5.43	5.18	4.96	4.75	4.56	4.38	4.07	3.93	3.80	3.56	3.35	3.17	2.92	2.78	2.59	2.48	2.33	2.24	2.11	2.04	1.93
BK130	5.90	5.64	5.39	5.17	4.96	4.77	4.43	4.28	4.13	3.88	3.65	3.44	3.18	3.02	2.82	2.70	2.53	2.43	2.30	2.21	2.10
BK140	6.38	6.09	5.83	5.58	5.36	5.15	4.79	4.62	4.47	4.19	3.94	3.72	3.44	3.27	3.05	2.91	2.73	2.63	2.48	2.39	2.27
BK160	7.33	7.00	6.70	6.42	6.16	5.92	5.50	5.31	5.13	4.81	4.53	4.28	3.95	3.76	3.50	3.35	3.14	3.02	2.85	2.75	2.61
BK190	8.76	8.36	8.00	7.67	7.36	7.08	6.57	6.34	6.13	5.75	5.41	5.11	4.72	4.49	4.18	4.00	3.76	3.61	3.41	3.29	3.12

SELECTION



Center Distance/Belt Length

This table provides approximate center distance for the majority of V-Drives up to 3:1 ratio. Data is useful for higher ratios, but if more accurate results are required, use the belt length formula found in the "Special Drives" selection section for S-L Classic drives.

APPROXIMATE CENTER DISTANCES (in inches)

Belt Lgth.	Sum of Both V-Belt Sheave Diameters																			
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
16	4.9	4.1																		
18	5.9	5.1																		
20	6.9	6.1																	5.2	
22	7.9	7.1																	6.2	
24	8.9	8.1	7.2	6.3																
26	9.9	9.1	8.2	7.3															6.5	6.6
28	10.9	10.1	9.2	8.4															7.6	7.7
30	11.9	11.1	10.2	9.4															8.6	8.7
32	12.9	12.1	11.2	10.4	9.6	8.7	8.0													
34	13.9	13.1	12.2	11.4	10.6	9.7	9.0													
36	14.9	14.1	13.2	12.4	11.6	10.7	10.0												9.0	
38	15.9	15.1	14.2	13.4	12.6	11.8	11.0												10.0	9.1
40	16.9	16.1	15.3	14.4	13.6	12.8	12.0	11.1	10.1											
42	17.9	17.1	16.3	15.4	14.6	13.8	13.1	12.1	11.2											
44	18.9	18.1	17.3	16.4	15.6	14.8	14.1	13.1	12.2											
46	19.9	19.1	18.3	17.4	16.6	15.8	15.1	14.1	13.2										12.3	10.9
48	20.9	20.1	19.3	18.4	17.7	16.8	16.1	15.1	14.3	13.3	12.0	11.3								
50	21.9	21.1	20.3	19.4	18.7	17.8	17.1	16.2	15.3	14.4	13.1	12.4							11.7	
52	22.9	22.1	21.3	20.4	19.7	18.8	18.1	17.2	16.3	15.4	14.1	13.5							12.8	
54	23.9	23.1	22.3	21.4	20.7	19.8	19.1	18.2	17.3	16.4	15.2	14.5							13.8	13.2
56	24.9	24.1	23.3	22.4	21.7	20.8	20.1	19.2	18.3	17.4	16.2	15.6	14.9	14.2						
58	25.9	25.1	24.3	23.4	22.7	21.8	21.1	20.2	19.3	18.5	17.3	16.6	15.9	15.2					13.5	
60	26.9	26.1	25.3	24.5	23.7	22.8	22.1	21.2	20.4	19.5	18.3	17.6	17.0	16.3					14.6	14.0
62	27.9	27.1	26.3	25.5	24.7	23.8	23.1	22.2	21.4	20.5	19.4	18.7	18.0	17.3					15.7	15.1
64	28.9	28.1	27.3	26.5	25.7	24.8	24.1	23.2	22.4	21.5	20.4	19.7	19.0	18.3	16.8	16.1	15.5			
66	29.9	29.1	28.3	27.5	26.7	25.9	25.1	24.2	23.4	22.5	21.4	20.7	20.0	19.3	17.8	17.2	16.5		14.9	
68	30.9	30.1	29.3	28.5	27.7	26.9	26.1	25.2	24.4	23.5	22.4	21.7	21.0	20.3	18.9	18.2	17.6		16.0	
70	31.9	31.1	30.3	29.5	28.7	27.9	27.1	26.2	25.4	24.5	23.5	22.8	22.1	21.4	20.0	19.3	18.6		17.1	
72	32.9	32.1	31.3	30.5	29.7	28.9	28.1	27.2	26.4	25.5	24.5	23.8	23.1	22.4	21.0	20.3	19.6	18.2		
74	33.9	33.1	32.3	31.5	30.7	29.9	29.1	28.2	27.4	26.5	25.5	24.8	24.1	23.4	22.0	21.3	20.6	19.2		
76	34.9	34.1	33.3	32.5	31.7	30.9	30.1	29.2	28.4	27.6	26.5	25.8	25.1	24.4	23.1	22.4	21.7	20.3		
78	35.9	35.1	34.2	33.5	32.7	31.9	31.1	30.2	29.4	28.6	27.5	26.8	26.1	25.4	24.1	23.4	22.7	21.3		
80	36.9	36.1	35.3	34.5	33.7	32.9	32.1	31.3	30.4	29.6	28.6	27.9	27.1	26.4	25.1	24.5	23.8	22.4		
82	37.6	36.7	35.9	35.1	34.3	33.5	32.7	31.9	31.0	30.2	29.2	28.5	27.8	27.0	25.8	25.1	24.4	23.1		
84	38.9	38.1	37.3	36.5	35.7	34.9	34.1	33.3	32.4	31.6	30.6	29.9	29.2	28.4	27.2	26.5	25.8	24.5		
86	39.6	38.7	37.9	37.1	36.3	35.5	34.7	33.9	33.0	32.2	31.2	30.5	29.8	29.0	27.8	27.1	26.4	25.2		
88	40.9	40.1	39.3	38.5	37.7	36.9	36.1	35.3	34.4	33.6	32.6	31.9	31.2	30.4	29.2	28.5	27.8	26.6		
90	41.9	41.1	40.3	39.5	38.7	37.9	37.1	36.3	35.5	34.6	33.6	32.9	32.2	31.4	30.2	29.5	28.8	27.6		
92	42.9	42.1	41.3	40.5	39.7	38.9	38.1	37.3	36.5	35.6	34.6	33.9	33.2	32.5	31.3	30.6	29.9	28.7		
94	43.9	43.1	42.3	41.5	40.7	39.9	39.1	38.3	37.5	36.6	35.6	34.9	34.2	33.5	32.3	31.6	30.9	29.7		
96	44.9	44.1	43.3	42.5	41.7	40.9	40.1	39.3	38.5	37.6	36.7	35.9	35.2	34.5	33.3	32.6	31.9	30.7		
98	45.9	45.1	44.3	43.5	42.7	41.9	41.1	40.3	39.5	38.6	37.7	36.9	36.2	35.5	34.3	33.6	32.9	31.7		
100	46.9	46.1	45.3	44.5	43.7	42.9	42.1	41.3	40.5	39.6	38.7	37.9	37.2	36.5	35.3	34.6	33.9	32.8		

The centers shown in this shaded area are below the recommended minimum.

FEATURES AND BENEFITS PAGE PT8-2	SELECTION/DIMENSIONS PAGES PT8-3-PT8-9	SELECTION PAGES PT8-10-PT8-22	
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