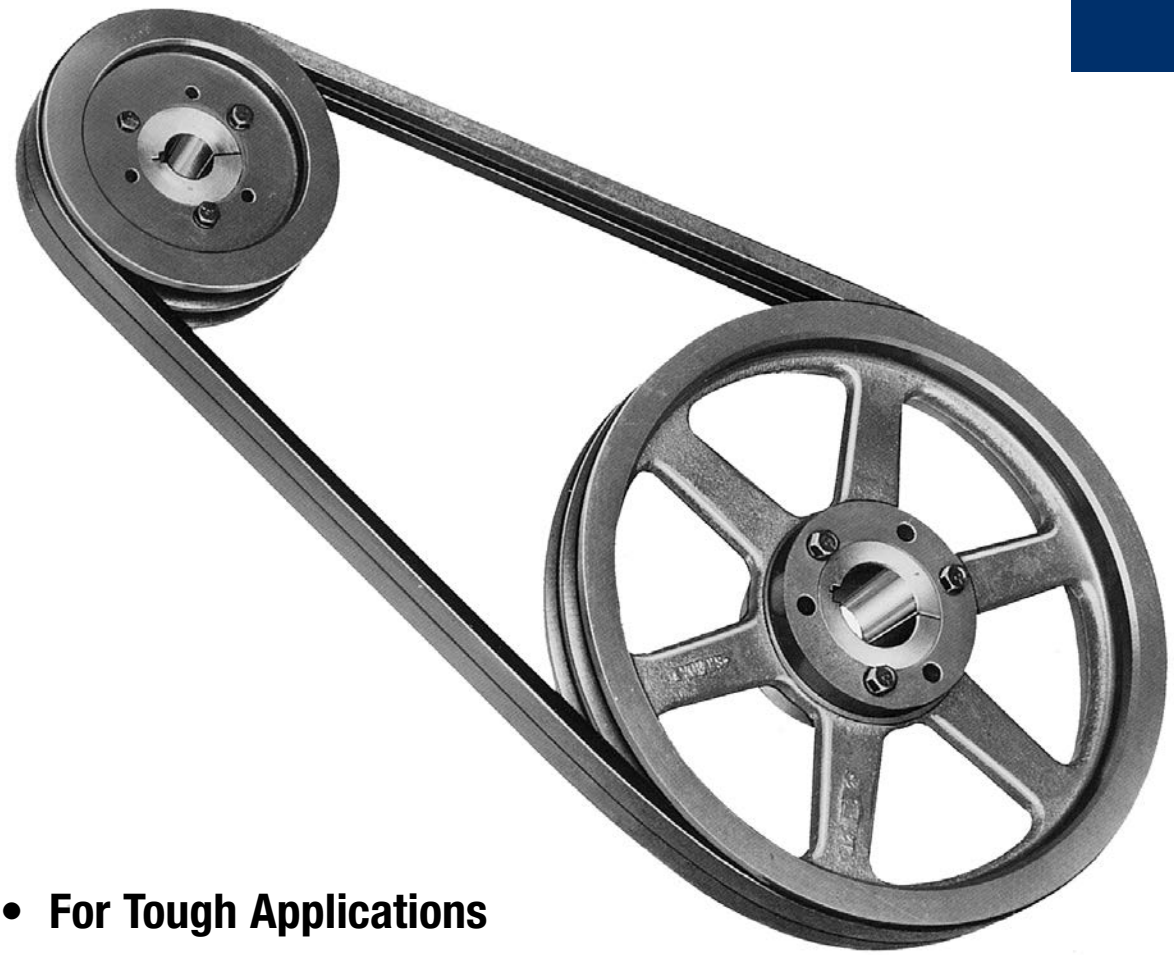
Classical (Premium) Drives

BP2

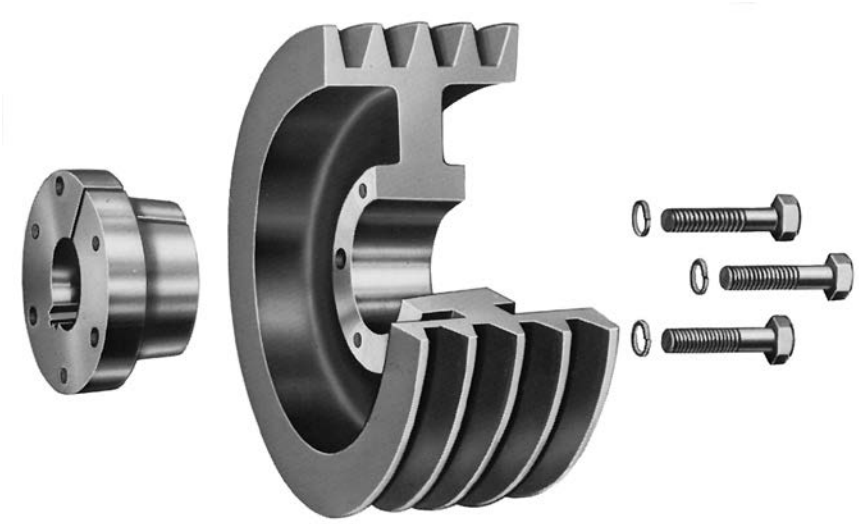


- **For Tough Applications**

Sure-Grip® Classical Sheave

Features

Wood's sheaves are constructed of fine grain, high tensile cast iron, and have been carefully engineered to assure maximum performance over a long life span. Behind each sheave is one of the most extensive engineering design and testing programs in the industry.

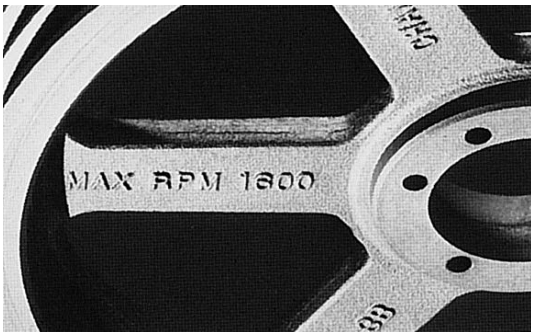


With the advent of higher V-belt ratings, Wood's engineers instituted additional careful test programs to ensure that each Wood's sheave would be capable of safely and dependably delivering the increased performance which was required by the new ratings. Wood's engineers, using a special strain gage test stand, subject sheaves to tension and compression stresses far in excess of those encountered in actual operation.

In another standard test procedure, Wood's sheaves are operated at extremely high speeds. Sheaves are selected from warehouse stocks and tested until they are burst by centrifugal force. Such destructive testing allows Wood's engineers to study the effects of construction and balance on sheave performance. The goal is to assure safe operation at normal speeds. Other continuing programs check product quality in the laboratory and on the manufacturing line.

For applications with special requirements, Wood's sheaves are also available on a made-to-order basis in either cast or ductile iron, and in Sure-Grip or bored-to-suit construction.

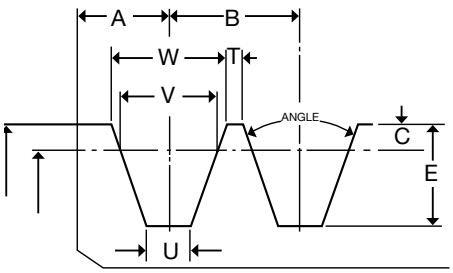
Wood's stock classical sheaves are available with the convenient Sure-Grip QD type bushing. Easy to install and remove, these split, tapered bushings grip the shaft with the equivalent of a shrink fit. This tight holding power eliminates freezing and fretting corrosion between the shaft and the bore and assures quick removal and interchangeability when necessary.



We cast or stamp the maximum safe operating speed, in rpm, on all sheaves we manufacture.

Dimensions

STANDARD GROOVE DIMENSIONS



V-Belt	GROOVE DIMENSIONS IN INCHES										
	A	B	C	D	E	V	T	U	W	Angle of Groove	Used on Datums
A-B	1/2	3/4	.175	.206	.6125	.5053	.1377 .1241	.2379 .2040	.6123 .6259	34 38	3.4 to 7.0 Over 7.0
C	11/16	1	.200	.200	.780	.757	.121 .113 .105	.402 .380 .358	.879 .887 .895	34 36 38	7.0 to 7.9 8.0 to12.0 Over 12.0

STANDARD SHEAVE FACE WIDTHS

Groove Selection	FACE WIDTH OF SHEAVE IN INCHES																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	For Each Additional Groove Add
A	3/4	1 3/8	2	2 5/8	3 1/4	3 7/8	4 1/2	5 1/8	5 3/4	6 3/8	7	7 5/8	8 1/4	8 7/8	9 1/2	10 1/8	10 3/4	11 3/8	5/8
B	1	1 3/4	2 1/2	3 1/4	4	4 3/4	5 1/2	6 1/4	7	7 3/4	8 1/2	9 1/4	10	10 3/4	11 1/2	12 1/4	13	13 3/4	3/4
C	1 3/8	2 3/8	3 3/8	4 3/8	5 3/8	6 3/8	7 3/8	8 3/8	9 3/8	10 3/8	11 3/8	12 3/8	13 3/8	14 3/8	15 3/8	16 3/8	17 3/8	18 3/8	1

* Sheaves 16D groove and over have 1/2 inch added to overall face width. All dimensions in inches.

DEEP GROOVE DIMENSIONS

V-Belt	GROOVE DIMENSIONS IN INCHES										
	A	B	C	D	E	V	T	U	W	Angle of Groove	Used on Datums
B	9/16	7/8	.355	.065	.7925	.5053	.153 .125	.262 .228	.747 .774	34 38	4.6 to 7.0 Over 7.0
C	13/16	1 1/4	.505	.200	1.085	.757	.1840 .165 .145	.402 .380 .358	1.066 1.085 1.105	34 36 38	7.0 to 7.99 8.0 to 12.0 Over 12.0

DEEP GROOVE SHEAVE FACE WIDTHS

V-Belt	FACE WIDTH OF SHEAVE IN INCHES																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	For Each Additional Groove Add
B	1 1/8	2	2 7/8	3 3/4	4 5/8	5 1/2	6 3/8	7 1/4	8 1/8	9	9 7/8	10 3/4	11 5/8	12 1/2	13 3/8	14 1/4	15 1/8	16	7/8
C	1 5/8	2 7/8	4 1/8	5 3/8	6 5/8	7 7/8	9 1/8	10 3/8	11 5/8	12 7/8	14 1/8	15 3/8	16 5/8	17 7/8	19 1/8	20 3/8	21 5/8	22 7/8	1 1/4

Stock Classical (Conventional) Sheaves A-B

Dimensions

These Classical Sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1–Solid; 2–Web, 3–Arms.

DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	1 GROOVE							Product No.	2 GROOVE						
A Belts	B Belts				F = 7/8 & 1								F = 1-3/4						
					E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
3.0	3.4	3.75	2.12	341B	1/2	D1	SH	1/16	1-1/4	1/8	1.8	342B	1-1/16	E1	SH	0	1-1/4	9/16	2.9
3.2	3.6	3.95	2.25	361B	1/2	D1	SH	1/16	1-1/4	1/8	2.1	362B	7/8	E1	SH	–3/16	1-1/4	3/8	3.2
3.4	3.8	4.15	2.44	381B	1/2	D1	SH	1/16	1-1/4	1/8	2.3	382B	7/8	E1	SH	–3/16	1-1/4	3/8	3.6
3.6	4.0	4.35	2.75	401B	1/4	C1	SH	5/16	1-1/4	1/8	2.8	402B	1/8	A1	SH	11/16	1-1/4	3/8	3.8
3.8	4.2	4.55	2.94	421B	1/4	C1	SH	5/16	1-1/4	1/8	3.0	422B	1/8	A1	SH	11/16	1-1/4	3/8	4.3
4.0	4.4	4.75	3.12	441B	1/4	C1	SH	5/16	1-1/4	1/8	3.3	442B	1/8	A1	SH	11/16	1-1/4	3/8	4.7
4.2	4.6	4.95	3.38	461B	5/16	C1	SDS	5/16	1-5/16	1/8	3.8	462B	1/16	A1	SDS	11/16	1-5/16	3/8	4.8
4.4	4.8	5.15	3.38	481B	5/16	C1	SDS	5/16	1-5/16	1/8	3.8	482B	1/16	A1	SDS	11/16	1-5/16	3/8	5.5
4.6	5.0	5.35	3.62	501B	5/16	C1	SDS	5/16	1-5/16	1/8	4.1	502B	1/16	A1	SDS	11/16	1-5/16	3/8	5.6
4.8	5.2	5.55	3.69	521B	5/16	C1	SDS	5/16	1-5/16	1/8	4.3	522B	1/16	A1	SDS	11/16	1-5/16	3/8	6.6
5.0	5.4	5.75	4.00	541B	5/16	C1	SDS	5/16	1-5/16	1/8	4.6	542B	1/16	A1	SDS	11/16	1-5/16	3/8	6.5
5.2	5.6	5.95	4.31	561B	5/16	C1	SDS	5/16	1-5/16	1/8	5.1	562B	1/16	A1	SDS	11/16	1-5/16	3/8	7.4
5.4	5.8	6.15	4.41	581B	5/16	C1	SDS	5/16	1-5/16	1/8	5.3	582B	1/16	A1	SDS	11/16	1-5/16	3/8	7.6
5.6	6.0	6.35	4.50	601B	5/16	C1	SDS	5/16	1-5/16	1/8	5.6	602B	1/16	A1	SDS	11/16	1-5/16	3/8	8.2
5.8	6.2	6.55	4.81	621B	5/16	C1	SDS	5/16	1-5/16	1/8	5.8	622B	1/16	A1	SDS	11/16	1-5/16	3/8	8.5
6.0	6.4	6.75	4.88	641B	5/16	C1	SDS	5/16	1-5/16	1/8	6.2	642B	1/16	A1	SDS	11/16	1-5/16	3/8	9.2
6.2	6.6	6.95	5.22	661B	5/16	C1	SDS	5/16	1-5/16	0	7.4	662B	1/16	A1	SDS	11/16	1-5/16	3/8	9.5
6.4	6.8	7.15	5.31	681B	5/16	C1	SDS	5/16	1-5/16	0	7.9	682B	1/16	A1	SDS	11/16	1-5/16	3/8	10.3
6.6	7.0	7.35	5.50	701B	1/2	D2	SDS	1/8	1-5/16	3/16	6.8	702B	9/32	D1	SK	7/16	1-7/8	5/32	13.3
7.0	7.4	7.75	5.70	741B	1/2	D2	SDS	1/8	1-5/16	3/16	7.7	742B	9/32	D2	SK	7/16	1-7/8	5/32	14.7
7.6	8.0	8.35	6.63	801B	1/2	D2	SDS	1/8	1-5/16	3/16	8.5	802B	9/32	D2	SK	7/16	1-7/8	5/32	14.0
8.2	8.6	8.95	7.25	861B	1/2	D2	SDS	1/8	1-5/16	3/16	9.6	862B	9/32	D2	SK	7/16	1-7/8	5/32	15.3
8.6	9.0	9.35	7.62	901B	1/2	D3	SDS	1/8	1-5/16	3/16	9.1	902B	9/32	D3	SK	7/16	1-7/8	5/32	16.3
9.0	9.4	9.75	8.00	941B	1/2	D3	SDS	1/8	1-5/16	3/16	8.9	942B	9/32	D3	SK	7/16	1-7/8	5/32	15.2
10.6	11.0	11.35	9.62	1101B	1/2	D3	SDS	1/8	1-5/16	3/16	11.7	1102B	9/32	D3	SK	7/16	1-7/8	5/32	17.0
12.0	12.4	12.75	11.06	1241B	1/2	D3	SDS	1/8	1-5/16	3/16	12.2	1242B	9/32	D3	SK	7/16	1-7/8	5/32	21.0
13.2	13.6	13.95	12.25	1361B	1/2	D3	SDS	1/8	1-5/16	3/16	14.0	1362B	9/32	D3	SK	7/16	1-7/8	5/32	23.1
15.0	15.4	15.75	14.00	1541B	19/32	C3	SK	1/8	1-7/8	9/32	20.3	1542B	9/32	D3	SK	7/16	1-7/8	5/32	28.7
15.6	16.0	16.35	14.62	1601B	19/32	C3	SK	1/8	1-7/8	9/32	18.4	1602B	9/32	D3	SK	7/16	1-7/8	5/32	25.5
18.0	18.4	18.75	17.00	1841B	19/32	C3	SK	1/8	1-7/8	9/32	23.7	1842B	9/32	D3	SK	7/16	1-7/8	5/32	29.6
19.6	20.0	20.35	18.50	2001B	19/32	C3	SK	1/8	1-7/8	9/32	30.7	2002B	5/16	D3	SF	3/8	2	1/16	43.5
24.6	25.0	25.35	23.38	2501B	11/16	C3	SF	0	2	5/16	44.0	2502B	5/16	D3	SF	3/8	2	1/16	53.7
29.6	30.0	30.35	28.50	3001B	11/16	C3	SF	0	2	5/16	55.0	3002B	5/16	D3	SF	3/8	2	1/16	64.7
37.6	38.0	38.35	36.38	-	-	-	-	-	-	-	-	3802B	5/16	D3	SF	3/8	2	1/16	97.9

* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
Also available from stock made for the SF Bushing to accommodate larger bores.
P.D. for "A" Belts = DD + .25
P.D. for "B" Belts = DD + .413

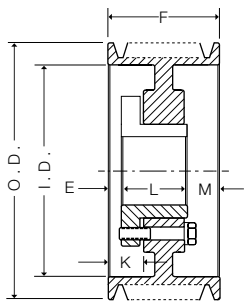
Sure-Grip Bushing dimensions — see section A1

Dimensions

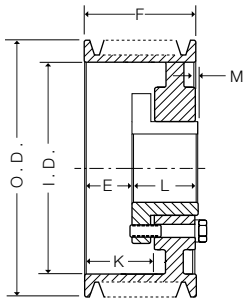
DIMENSIONS (In Inches)

Datum Dia. A Belts	Datum Dia. B Belts	O.D.	I.D.	Product No.	3 GROOVE F = 2-1/2 E *	Type	Bush.	K	L	M	Wt.	Product No	4 GROOVE F = 3-1/4 E *	Type	Bush.	K	L	M	Wt.
3.0	3.4	3.75	2.12	343B	1-13/16	E1	SH	0	1-1/4	9/16	3.7	344B	2-3/8	E1	SD	7/16	1-13/16	15/16	5.6
3.2	3.6	3.95	2.25	363B	1-5/8	E1	SH	-3/16	1-1/4	3/8	4.1	364B	2-3/8	E1	SD	7/16	1-13/16	15/16	6.2
3.4	3.8	4.15	2.44	383B	1-5/8	E1	SH	-3/16	1-1/4	3/8	4.5	384B	2-3/8	E1	SD	5/16	1-13/16	15/16	6.2
3.6	4.0	4.35	2.75	403B	1/2	A1	SH	1-1/16	1-1/4	3/4	4.7	404B	2-1/16	E1	SD	0	1-13/16	5/8	6.5
3.8	4.2	4.55	2.88	423B	1/2	A1	SH	1-1/16	1-1/4	3/4	5.3	424B	2-1/16	E1	SD	0	1-13/16	5/8	6.9
4.0	4.4	4.75	3.12	443B	1/2	A1	SH	1-1/16	1-1/4	3/4	5.6	444B	2-1/16	E1	SD	0	1-13/16	5/8	7.4
4.2	4.6	4.95	3.35	463B	7/16	A1	SD	1-1/16	1-13/16	1/4	6.8	464B	11/16	A1	SD	1-5/16	1-13/16	3/4	8.0
4.4	4.8	5.15	3.44	483B	7/16	A1	SD	1-1/16	1-13/16	1/4	7.5	484B	11/16	A1	SD	1-5/16	1-13/16	3/4	8.8
4.6	5.0	5.35	3.62	503B	7/16	A1	SD	1-1/16	1-13/16	1/4	8.1	504B	11/16	A1	SD	1-5/16	1-13/16	3/4	9.1
4.8	5.2	5.55	3.81	523B	7/16	A1	SD	1-1/16	1-13/16	1/4	8.8	524B	11/16	A1	SD	1-5/16	1-13/16	3/4	10.2
5.0	5.4	5.75	4.06	543B	7/16	A1	SD	1-1/16	1-13/16	1/4	9.3	544B	11/16	A1	SD	1-5/16	1-13/16	3/4	10.5
5.2	5.6	5.95	4.25	563B	7/16	A1	SD	1-1/16	1-13/16	1/4	10.0	564B	11/16	A1	SD	1-5/16	1-13/16	3/4	11.3
5.4	5.8	6.15	4.42	583B	7/16	A1	SD	1-1/16	1-13/16	1/4	10.7	584B	11/16	A1	SD	1-5/16	1-13/16	3/4	12.1
5.6	6.0	6.35	4.68	603B	7/16	A1	SD	1-1/16	1-13/16	1/4	11.2	604B	11/16	A1	SD	1-5/16	1-13/16	3/4	13.3
5.8	6.2	6.55	4.82	623B	7/16	A1	SD	1-1/16	1-13/16	1/4	12.6	624B	11/16	A1	SD	1-5/16	1-13/16	3/4	14.4
6.0	6.4	6.75	5.06	643B	7/16	A1	SD	1-1/16	1-13/16	1/4	13.0	644B	11/16	A1	SD	1-5/16	1-13/16	3/4	15.1
6.2	6.6	6.95	5.25	663B	7/16	A2	SD	1-1/16	1-13/16	1/4	10.5	664B	11/16	A1	SD	1-5/16	1-13/16	3/4	15.3
6.4	6.8	7.15	5.44	683B	7/16	A2	SD	1-1/16	1-13/16	1/4	11.5	684B	11/16	A1	SD	1-5/16	1-13/16	3/4	16.8
6.6	7.0	7.35	5.62	703B	1/32	D1	SK	11/16	1-7/8	21/32	15.2	704B	9/32	A1	SK	1	1-7/8	1-3/32	17.2
7.0	7.4	7.75	6.06	743B	1/32	D1	SK	11/16	1-7/8	21/32	16.9	744B	9/32	A2	SK	1	1-7/8	1-3/32	16.2
7.6	8.0	8.35	6.73	803B	1/32	D2	SK	11/16	1-7/8	21/32	15.7	804B	9/32	A2	SK	1	1-7/8	1-3/32	18.1
8.2	8.6	8.95	7.31	863B	1/32	D2	SK	11/16	1-7/8	21/32	17.6	864B	9/32	A2	SK	1	1-7/8	1-3/32	22.0
8.6	9.0	9.35	7.62	903B	1/32	D3	SK	11/16	1-7/8	21/32	19.0	904B	9/32	A3	SK	1	1-7/8	1-3/32	21.6
9.0	9.4	9.75	8.00	943B	1/32	D3	SK	11/16	1-7/8	21/32	18.0	944B	9/32	A2	SK	1	1-7/8	1-3/32	23.9
10.6	11.0	11.35	9.62	1103B	1/32	D3	SK	11/16	1-7/8	21/32	19.6	1104B	9/32	A3	SK	1	1-7/8	1-3/32	26.4
12.0	12.4	12.75	11.06	1243B	1/32	D3	SK	11/16	1-7/8	21/32	22.5	1244B	9/32	A3	SK	1	1-7/8	1-3/32	28.4
13.2	13.6	13.95	12.25	1363B	1/32	D3	SK	11/16	1-7/8	21/32	26.4	1364B	9/32	A3	SK	1	1-7/8	1-3/32	29.9
15.0	15.4	15.75	14.00	1543B	1/32	D3	SK	11/16	1-7/8	21/32	30.4	1544B	5/16	A3	SF	1	2	15/16	40.3
15.6	16.0	16.35	14.62	1603B	1/32	D3	SK	11/16	1-7/8	21/32	32.7	1604B	5/16	A3	SF	1	2	15/16	38.7
18.0	18.4	18.75	17.00	1843B	1/32	D3	SK	11/16	1-7/8	21/32	35.6	1844B	5/16	A3	SF	1	2	15/16	44.9
19.6	20.0	20.35	18.50	2003B	1/16	D3	SF	5/8	2	9/16	45.7	2004B	5/16	A3	SF	1	2	15/16	56.6
24.6	25.0	25.35	23.38	2503B	1/16	D3	SF	5/8	2	9/16	65.8	2504B	3/32	A3	E	1	2-5/8	17/32	83.2
29.6	30.0	30.35	28.50	3003B	1/16	D3	SF	5/8	2	9/16	90.4	3004B	3/32	A3	E	1	2-5/8	17/32	110.1
37.6	38.0	38.35	36.38	3803B	9/32	D3	E	5/8	2-5/8	5/32	143.3	3804B	3/32	A3	E	1	2-5/8	17/32	158.0

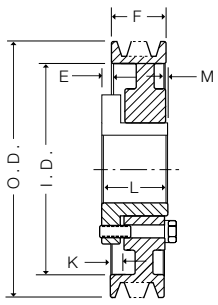
* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
Also available from stock made for the SF Bushing to accommodate larger bores.
P.D. for "A" Belts = DD + .25
P.D. for "B" Belts = DD + .413



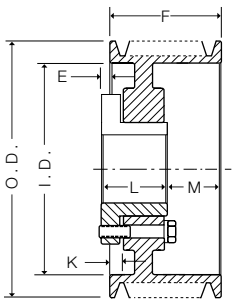
Type A



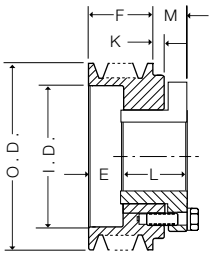
Type B



Type C



Type D



Type E

Sure-Grip Bushing dimensions — see section A1

Stock Classical (Conventional) Sheaves A-B

Dimensions

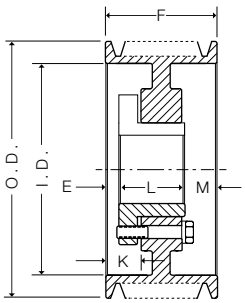
These Classical Sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

The sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1–Solid; 2–Web, 3–Arms.

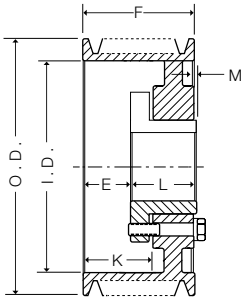
DIMENSIONS (In Inches)

Datum Dia.		O.D.	I.D.	Product No.	5 GROOVE							Product No.	6 GROOVE						
					F = 4								F = 4 3/4						
A Belts	B Belts				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
3.0	3.4	3.75	2.12	345B	3-1/8	E1	SD	5/16	1-13/16	15/16	6.5	346B	3-7/8	E1	SD	5/16	1-13/16	15/16	7.2
3.2	3.6	3.95	2.25	365B	3-1/8	E1	SD	5/16	1-13/16	15/16	7.1	366B	3-7/8	E1	SD	5/16	1-13/16	15/16	8.0
3.4	3.8	4.15	2.44	385B	3-1/8	E1	SD	5/16	1-13/16	15/16	7.2	386B	3-7/8	E1	SD	5/16	1-13/16	15/16	8.1
3.6	4.0	4.35	2.62	405B	2-13/16	E1	SD	0	1-13/16	5/8	7.5	406B	3-9/16	E1	SD	0	1-13/16	5/8	8.5
3.8	4.2	4.55	2.88	425B	2-13/16	E1	SD	0	1-13/16	5/8	7.9	426B	3-9/16	E1	SD	0	1-13/16	5/8	9.0
4.0	4.4	4.75	3.12	445B	2-13/16	E1	SD	0	1-13/16	5/8	8.4	446B	3-9/16	E1	SD	0	1-13/16	5/8	9.5
4.2	4.6	4.95	3.31	465B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	9.1	466B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	10.2
4.4	4.8	5.15	3.44	485B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	10.1	486B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	11.0
4.6	5.0	5.35	3.62	505B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	10.8	506B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	11.8
4.8	5.2	5.55	3.81	525B	11/16	A1	SD	1-5/16	1-13/16	1-1/2	11.6	526B	11/16	A1	SD	1-5/16	1-13/16	2-1/4	13.0
5.0	5.4	5.75	4.12	545B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	12.0	546B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	13.3
5.2	5.6	5.95	4.30	565B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	12.9	566B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	14.6
5.4	5.8	6.15	4.48	585B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	13.7	586B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	15.5
5.6	6.0	6.35	4.68	605B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	14.5	606B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	16.5
5.8	6.2	6.55	4.82	625B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	15.7	626B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	17.4
6.0	6.4	6.75	5.06	645B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	16.3	646B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	18.0
6.2	6.6	6.95	5.29	665B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	17.0	666B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	18.7
6.4	6.8	7.15	5.44	685B	19/32	A1	SK	1-5/16	1-7/8	1-17/32	18.2	686B	19/32	A1	SK	1-5/16	1-7/8	2-9/32	20.1
6.6	7.0	7.35	5.63	705B	5/8	A1	SF	1-5/16	2	1-3/8	19.7	706B	1	A1	SF	1-11/16	2	1-3/4	21.7
7.0	7.4	7.75	6.06	745B	5/8	A1	SF	1-5/16	2	1-3/8	21.5	746B	1	A1	SF	1-11/16	2	1-3/4	23.6
7.6	8.0	8.35	6.63	805B	5/8	A1	SF	1-5/16	2	1-3/8	22.3	806B	1	A1	SF	1-11/16	2	1-3/4	27.1
8.2	8.6	8.95	7.31	865B	5/8	A2	SF	1-5/16	2	1-3/8	20.8	866B	1	A1	SF	1-11/16	2	1-3/4	30.2
9.0	9.4	9.75	8.00	945B	5/8	A3	SF	1-5/16	2	1-3/8	25.1	946B	1	A2	SF	1-11/16	2	1-3/4	25.7
10.6	11.0	11.35	9.62	1105B	5/8	A3	SF	1-5/16	2	1-3/8	31.0	1106B	1	A3	SF	1-11/16	2	1-3/4	36.0
12.0	12.4	12.75	11.06	1245B	5/8	A3	SF	1-5/16	2	1-3/8	34.0	1246B	1	A3	SF	1-11/16	2	1-3/4	37.5
13.2	13.6	13.95	12.31	1365B	5/8	A3	SF	1-5/16	2	1-3/8	36.7	1366B	1	A3	SF	1-11/16	2	1-3/4	41.7
15.0	15.4	15.75	14.06	1545B	5/8	A3	SF	1-5/16	2	1-3/8	42.3	1546B	1	A3	SF	1-11/16	2	1-3/4	46.1
15.6	16.0	16.35	14.62	1605B	5/8	A3	SF	1-5/16	2	1-3/8	47.1	1606B	1	A3	SF	1-11/16	2	1-3/4	51.8
18.0	18.4	18.75	17.00	1845B	5/8	A3	SF	1-5/16	2	1-3/8	54.8	1846B	1	A3	SF	1-11/16	2	1-3/4	60.7
19.6	20.0	20.35	18.56	2005B	11/32	A3	E	1-1/4	2-5/8	1-1/32	79.9	2006B	13/32	A3	E	1-3/8	2-5/8	1-21/32	78.3
24.6	25.0	25.35	23.38	2505B	11/32	A3	E	1-1/4	2-5/8	1-1/32	97.2	2506B	13/32	A3	E	1-3/8	2-5/8	1-21/32	116.8
29.6	30.0	30.35	28.50	3005B	11/32	A3	E	1-1/4	2-5/8	1-1/32	124.2	3006B	13/32	A3	E	1-3/8	2-5/8	1-21/32	144.5
37.6	38.0	38.35	36.38	3805B	11/32	A3	E	1-1/4	2-5/8	1-1/32	172.7	3806B	13/32	A3	E	1-3/8	2-5/8	1-21/32	189.9

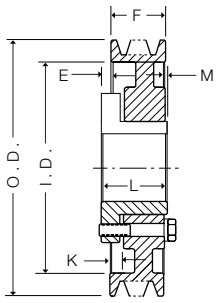
* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
P.D. for "A" Belts = DD + .25 P.D. for "B" Belts = DD + .413



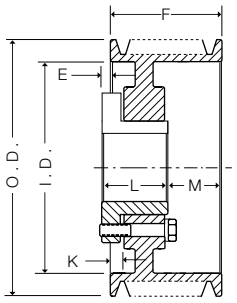
Type A



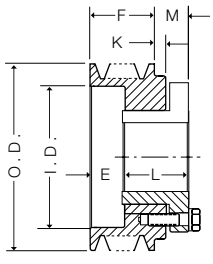
Type B



Type C



Type D



Type E

Sure-Grip Bushing dimensions — see section A1

Dimensions

Datum Dia. A Belts	Datum Dia. B Belts	O.D.	I.D.	Product No.	7 GROOVE F = 5 1/2 E *	Type	Bush.	K	L	M	Wt.	Product No.	8 GROOVE F = 6 1/4 E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	5.75	4.12	547B	1-3/32	A1	SK	1-13/16	1-/78	2-17/32	14.7	548B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	16.0
5.2	5.6	5.95	4.25	567B	1-3/32	A1	SK	1-13/16	1-/78	2-17/32	16.1	568B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	20.6
5.4	5.8	6.15	4.44	587B	1-3/32	A1	SK	1-13/16	1-/78	2-17/32	17.1	588B	1-3/32	A1	SK	1-13/16	1-7/8	3-9/32	18.7
5.6	6.0	6.35	4.68	607B	1-1/8	A1	SF	1-13/16	2	2-3/8	18.2	608B	1-1/8	A1	SF	1-13/16	2	3-1/8	19.7
5.8	6.2	6.55	4.81	627B	1-1/8	A1	SF	1-13/16	2	2-3/8	19.7	628B	1-1/8	A1	SF	1-13/16	2	3-1/8	21.5
6.0	6.4	6.75	5.06	647B	1-1/8	A1	SF	1-13/16	2	2-3/8	20.3	648B	1-1/8	A1	SF	1-13/16	2	3-1/8	22.0
6.2	6.6	6.95	5.25	667B	1-1/8	A1	SF	1-13/16	2	2-3/8	21.4	668B	1-1/8	A1	SF	1-13/16	2	3-1/8	23.2
6.4	6.8	7.15	5.44	687B	1-1/8	A1	SF	1-13/16	2	2-3/8	22.5	688B	1-1/8	A1	SF	1-13/16	2	3-1/8	24.4
6.6	7.0	7.35	5.62	707B	1-1/8	A1	SF	1-13/16	2	2-3/8	23.7	708B	1-1/8	A1	SF	1-13/16	2	3-1/8	25.7
7.0	7.4	7.75	6.06	747B	1-1/8	A1	SF	1-13/16	2	2-3/8	25.7	748B	1-1/8	A1	SF	1-13/16	2	3-1/8	27.7
8.2	8.6	8.95	7.25	867B	1-3/32	A1	E	2	2-5/8	1-25/32	38.4	868B	1-15/32	A1	E	2-3/8	2-5/8	2-5/32	40.9
9.0	9.4	9.75	8.06	947B	1-3/32	A2	E	2	2-5/8	1-25/32	39.6	948B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	42.4
10.6	11.0	11.35	9.62	1107B	1-3/32	A2	E	2	2-5/8	1-25/32	48.9	1108B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	52.2
12.0	12.4	12.75	11.04	1247B	1-3/32	A2	E	2	2-5/8	1-25/32	56.3	1248B	1-15/32	A2	E	2-3/8	2-5/8	2-5/32	59.5
13.2	13.6	13.95	12.25	1367B	1-3/32	A3	E	2	2-5/8	1-25/32	55.8	1368B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	59.8
15.0	15.4	15.75	14.00	1547B	1-3/32	A3	E	2	2-5/8	1-25/32	67.4	1548B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	70.8
15.6	16.0	16.35	14.62	1607B	1-3/32	A3	E	2	2-5/8	1-25/32	70.6	1608B	1-15/32	A3	E	2-3/8	2-5/8	2-5/32	73.9
18.0	18.4	18.75	16.75	1847B	1/4	A3	F	1-5/16	3-5/8	1-5/8	102.5	1848B	1/4	A3	F	1-5/16	3-5/8	2-3/8	111.7
19.6	20.0	20.35	18.56	2007B	1/4	A3	F	1-5/16	3-5/8	1-5/8	105.9	2008B	1/4	A3	F	1-5/16	3-5/8	2-3/8	113.4
24.6	25.0	25.35	23.38	2507B	1/4	A3	F	1-5/16	3-5/8	1-5/8	133.6	2508B	1/4	A3	F	1-5/16	3-5/8	2-3/8	145.9
29.6	30.0	30.35	28.38	3007B	1/4	A3	F	1-5/16	3-5/8	1-5/8	172.0	3008B	1/4	A3	F	1-5/16	3-5/8	2-3/8	183.0
37.6	38.0	38.35	36.38	3807B	1/4	A3	F	1-5/16	3-5/8	1-5/8	243.4	3808B	1/4	A3	F	1-5/16	3-5/8	2-3/8	246.9

Datum Dia. A Belts	Datum Dia. B Belts	O.D.	I.D.	Product No.	10 GROOVE F = 7 3/4 E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	5.75	4.12	5410B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	18.7
5.2	5.6	5.95	4.25	5610B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	20.6
5.4	5.8	6.15	4.38	5810B	1-27/32	A1	SK	2-9/16	1-7/8	4-1/32	21.8
5.6	6.0	6.35	4.68	6010B	1-7/8	A1	SF	2-9/16	2	3-7/8	22.9
5.8	6.2	6.55	4.81	6210B	1-7/8	A1	SF	2-9/16	2	3-7/8	25.0
6.0	6.4	6.75	5.06	6410B	1-7/8	A1	SF	2-9/16	2	3-7/8	25.5
6.2	6.6	6.95	5.25	6610B	1-7/8	A1	SF	2-9/16	2	3-7/8	26.8
6.4	6.8	7.15	5.44	6810B	1-7/8	A1	SF	2-9/16	2	3-7/8	28.2
6.6	7.0	7.35	5.62	7010B	1-7/8	A1	SF	2-9/16	2	3-7/8	29.6
7.0	7.4	7.75	6.06	7410B	1-7/8	A1	SF	2-9/16	2	3-7/8	31.9
8.2	8.6	8.95	7.25	8610B	2-7/32	A1	E	3-1/8	2-5/8	2-29/32	45.8
9.0	9.4	9.75	8.12	9410B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	46.7
10.6	11.0	11.35	9.62	11010B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	58.8
12.0	12.4	12.75	11.06	12410B	2-7/32	A2	E	3-1/8	2-5/8	2-29/32	66.8
13.2	13.6	13.95	12.25	13610B	1	A3	F	2-1/16	3-5/8	3-1/8	83.6
15.0	15.4	15.75	14.00	15410B	1	A3	F	2-1/16	3-5/8	3-1/8	96.1
15.6	16.0	16.35	14.62	16010B	1	A3	F	2-1/16	3-5/8	3-1/8	99.8
18.0	18.4	18.75	16.75	18410B	1	A3	F	2-1/16	3-5/8	3-1/8	125.9
19.6	20.0	20.35	18.56	20010B	1	A3	F	2-1/16	3-5/8	3-1/8	126.6
24.6	25.0	25.35	23.44	25010B	1	A3	F	2-1/16	3-5/8	3-1/8	165.4
29.6	30.0	30.35	28.38	30010B	1	A3	F	2-1/16	3-5/8	3-1/8	220.0
37.6	38.0	38.35	36.38	38010B	5/16	A3	J	1-9/16	4-1/2	2-15/16	306.1

* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
P.D. for "A" Belts = DD + .25 P.D. for "B" Belts = DD + .413

Sure-Grip Bushing dimensions — see section A1

Stock Classical (Conventional) Sheaves C

Dimensions

These sheaves are designed to carry the loads of all belts shown in this catalog and other similarly rated V-Belts. For special higher rated V-Belts, consult Wood's Application Engineering Department for recommendations.

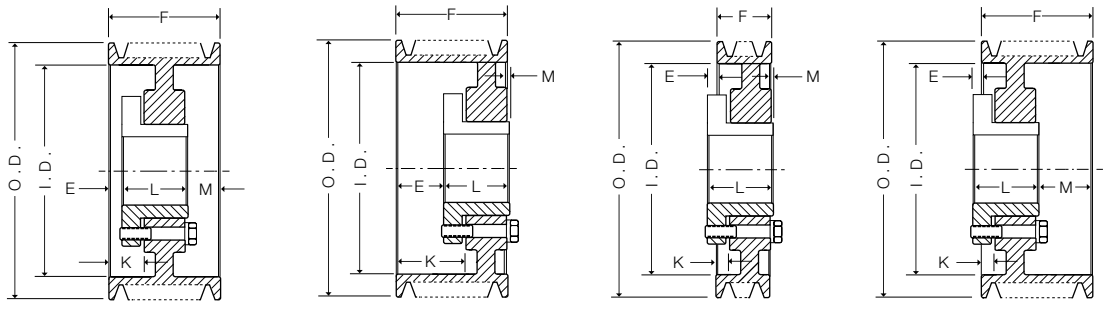
The Classical Sheaves listed below are all stock sizes. The dimensions given are with the Sure-Grip bushing in place. The figure following the letter in the "Type" column indicates the sheave construction: 1–Solid; 2–Web, 3–Arms.

DIMENSIONS (In Inches)

Datum Dia.	O.D. ◆	I.D.	Product No.	1 GROOVE F = 1-3/8							Product No.	2 GROOVE F = 2-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
5.6	6.0	3.75	-	-	-	-	-	-	-	-	562C	3/16	A1	SD	13/16	1-13/16	3/8	9.6
7.0	7.4	5.25	701C	9/16	C1	SF	1/8	2	1/16	12.6	702C	1/8	A1	SF	13/16	2	1/4	15.4
7.5	7.9	5.75	751C	9/16	C1	SF	1/8	2	1/16	14.4	752C	1/8	A1	SF	13/16	2	1/4	17.4
8.0	8.4	6.25	801C	9/16	C1	SF	1/8	2	1/16	16.6	802C	1/8	A1	SF	13/16	2	1/4	19.3
8.5	8.9	6.75	851C	9/16	C2	SF	1/8	2	1/16	15.1	852C	1/8	A1	SF	13/16	2	1/4	21.6
9.0	9.4	7.25	901C	9/16	C2	SF	1/8	2	1/16	16.7	902C	1/8	A2	SF	13/16	2	1/4	21.2
9.5	9.9	7.68	951C	9/16	C2	SF	1/8	2	1/16	18.1	952C	1/8	A2	SF	13/16	2	1/4	20.7
10.0	10.4	8.25	1001C	9/16	C2	SF	1/8	2	1/16	19.1	1002C	1/8	A2	SF	13/16	2	1/4	24.4
10.5	10.9	8.75	1051C	9/16	C2	SF	1/8	2	1/16	20.4	1052C	1/8	A3	SF	13/16	2	1/4	26.2
11.0	11.4	9.25	1101C	9/16	C3	SF	1/8	2	1/16	18.4	1102C	1/8	A2	SF	13/16	2	1/4	22.5
12.0	12.4	10.25	1201C	9/16	C3	SF	1/8	2	1/16	19.9	1202C	1/8	D3	SF	9/16	2	1/2	24.7
13.0	13.4	11.25	1301C	9/16	C3	SF	1/8	2	1/16	21.5	1302C	1/8	D3	SF	9/16	2	1/2	26.9
14.0	14.4	12.25	1401C	9/16	C3	SF	1/8	2	1/16	23.3	1402C	1/8	D3	SF	9/16	2	1/2	28.9
16.0	16.4	14.12	1601C	9/16	C3	SF	1/8	2	1/16	26.5	1602C	1/8	D3	SF	9/16	2	1/2	35.2
18.0	18.4	16.06	1801C	9/16	C3	SF	1/8	2	1/16	32.5	1802C	1/8	D3	SF	9/16	2	1/2	45.2
20.0	20.4	18.06	2001C	9/16	C3	SF	1/8	2	1/16	34.8	2002C	1/8	D3	SF	9/16	2	1/2	45.1
24.0	24.4	22.18	2401C	9/16	C3	SF	1/8	2	1/16	44.2	2402C	1/8	D3	SF	9/16	2	1/2	60.6
27.0	27.4	25.06	-	-	-	-	-	-	-	-	2702C	3/4	C3	F	5/16	3-5/8	1/2	89.8
30.0	30.4	28.18	-	-	-	-	-	-	-	-	3002C	3/4	C3	F	5/16	3-5/8	1/2	114.8

Datum Dia.	O.D. ◆	I.D.	Product No	3 GROOVE F = 3-3/8							Product No.	4 GROOVE F = 4-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
5.0	5.4	3.25	503C	7/16	A1	SD	1-1/16	1-13/16	1-1/8	9.7	504C	15/16	A1	SD	1-9/16	1-13/16	1-5/8	11.3
5.6	6.0	3.75	563C	11/16	A1	SD	1-5/16	1-13t/16	7/8	12.2	564C	15/16	A1	SD	1-9/16	1-13/16	1-5/8	13.9
6.4	6.6	4.68	603C	5/8	A1	SF	1-5/16	2	3/4	12.4	604C	7/8	A1	SF	1-9/16	2	1-1/2	13.9
7.0	7.4	5.25	703C	5/8	A1	SF	1-5/16	2	3/4	18.2	704C	7/8	A1	SF	1-9/16	2	1-1/2	20.3
7.5	7.9	5.75	753C	5/8	A1	SF	1-5/16	2	3/4	20.5	754C	7/8	A1	SF	1-9/16	2	1-1/2	23.5
8.0	8.4	6.25	803C	27/32	B1	E	1-3/4	2-5/8	3/32	27.6	804C	1-3/32	A1	E	2	2-5/8	21/32	30.9
8.5	8.9	6.75	853C	27/32	B1	E	1-3/4	2-5/8	3/32	30.6	854C	1-3/32	A1	E	2	2-5/8	21/32	34.2
9.0	9.4	7.25	903C	27/32	B1	E	1-3/4	2-5/8	3/32	33.8	904C	1-3/32	A1	E	2	2-5/8	21/32	37.6
9.5	9.9	7.68	953C	27/32	B1	E	1-3/4	2-5/8	3/32	37.5	954C	1-3/32	A1	E	2	2-5/8	21/32	39.8
10.0	10.4	8.25	1003C	27/32	B1	E	1-3/4	2-5/8	3/32	40.7	1004C	1-3/32	A1	E	2	2-5/8	21/32	45.8
10.5	10.9	8.75	1053C	27/32	B2	E	1-3/4	2-5/8	3/32	38.3	1054C	1-3/32	A2	E	2	2-5/8	21/32	42.8
11.0	11.4	9.25	1103C	27/32	B2	E	1-3/4	2-5/8	3/32	40.5	1104C	1-3/32	A2	E	2	2-5/8	21/32	45.3
12.0	12.4	10.25	1203C	27/32	B2	E	1-3/4	2-5/8	3/32	45.3	1204C	1-3/32	A2	E	2	2-5/8	21/32	50.5
13.0	13.4	11.25	1303C	27/32	B2	E	1-3/4	2-5/8	3/32	49.3	1304C	1-3/32	A2	E	2	2-5/8	21/32	56.3
14.0	14.4	12.25	1403C	27/32	B2	E	1-3/4	2-5/8	3/32	48.6	1404C	1-3/32	A3	E	2	2-5/8	21/32	57.6
16.0	16.4	14.12	1603C	27/32	B3	E	1-3/4	2-5/8	3/32	58.0	1604C	1-3/32	A3	E	2	2-5/8	21/32	67.1
18.0	18.4	16.06	1803C	27/32	B3	E	1-3/4	2-5/8	3/32	72.6	1804C	1-3/32	A3	E	2	2-5/8	21/32	82.7
20.0	20.4	18.06	2003C	3/32	A3	E	1	2-5/8	21/32	75.8	2004C	19/32	A3	E	1-1/2	2-5/8	1-5/32	90.5
24.0	24.4	22.06	2403C	3/32	A3	E	1	2-5/8	21/32	85.6	2404C	1/4	A3	F	1-5/16	3-5/8	1/2	110.8
27.0	27.4	25.06	2703C	1/4	C3	F	13/16	3-5/8	0	121.0	2704C	1/4	A3	F	1-5/16	3-5/8	1/2	138.0
30.0	30.4	28.18	3003C	1/4	C3	F	13/16	3-5/8	0	129.1	3004C	1/4	A3	F	1-5/16	3-5/8	1/2	150.1
36.0	36.4	34.12	3603C	1/4	C3	F	13/16	3-5/8	0	177.1	3604C	1/4	A3	F	1-5/16	3-5/8	1/2	211.1
44.0	44.4	41.88	4403C	1/4	C3	F	13/16	3-5/8	0	260.1	4404C	5/16	B3	J	1-9/16	4-1/2	7/16	296.5
50.0	50.4	48.00	5003C	1/4	C3	F	13/16	3-5/8	0	295.0	5004C	5/16	B3	J	1-9/16	4-1/2	7/16	335.0

* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
P.D. is same as O.D.



Type A **Type B** **Type C** **Type D**

Sure-Grip Bushing dimensions — see section A1

Dimensions

DIMENSIONS (In Inches)

Datum Dia.	O.D. ◆	I.D.	Product No.	5 GROOVE F = 5-3/8							Product No.	6 GROOVE F = 6-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Typr	Bush.	K	L	M	Wt.
6.4	6.6	4.68	605C	1-5/16	A1	SF	1-15/16	2	2-1/16	15.5	606C	1-5/16	A1	SF	1-15/16	2	3-1/16	17.0
7.0	7.4	5.25	705C	1-1/4	A1	SF	1-15/16	2	2-1/8	23.8	706C	1-1/4	A1	SF	1-15/16	2	3-1/8	26.6
7.5	7.9	5.75	755C	1-1/4	A1	SF	1-15/16	2	2-1/8	26.6	756C	1-1/4	A1	SF	1-15/16	2	3-1/8	29.6
8.0	8.4	6.25	805C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	36.0	806C	1-15/32	A1	E	2-1/8	2-3/8	2-9/32	37.5
8.5	8.9	6.75	855C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	37.7	856C	1-15/32	A1	E	2-1/8	2-3/8	2-9/32	41.3
9.0	9.4	7.25	905C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	41.4	906C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	53.4
9.5	9.9	7.68	955C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	46.0	956C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	59.5
10.0	10.4	8.24	1005C	1-15/32	A1	E	2-3/8	2-5/8	1-9/32	49.3	1006C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	66.1
10.5	10.9	8.75	1055C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	47.8	1056C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	70.4
11.0	11.4	9.25	1105C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	50.0	1106C	1-3/8	A1	F	2-7/16	3-5/8	1-3/8	76.6
12.0	12.4	10.25	1205C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	55.7	1206C	1-3/8	A2	F	2-7/16	3-5/8	1-3/8	72.9
13.0	13.4	11.25	1305C	1-15/32	A2	E	2-3/8	2-5/8	1-9/32	62.0	1306C	1-3/8	A2	F	2-7/16	3-5/8	1-3/8	80.4
14.0	14.4	12.25	1405C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	64.1	1406C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	83.4
16.0	16.4	14.12	1605C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	78.1	1606C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	98.1
18.0	18.4	16.06	1805C	1-15/32	A3	E	2-3/8	2-5/8	1-9/32	92.9	1806C	1-3/8	A3	F	2-7/16	3-5/8	1-3/8	108.7
20.0	20.4	18.12	2005C	1/4	A3	F	1-5/16	3-5/8	1-1/2	109.5	2006C	7/8	A3	F	1-15/16	3-5/8	1-7/8	120.2
24.0	24.4	22.06	2405C	1/4	A3	F	1-5/16	3-5/8	1-1/2	141.0	2406C	7/8	A3	F	1-15/16	3-5/8	1-7/8	132.5
27.0	27.4	25.06	2705C	1/4	A3	F	1-5/16	3-5/8	1-1/2	159.0	2706C	5/16	A3	J	1-9/16	4-1/2	1-9/16	190.0
30.0	30.4	28.18	3005C	1/4	A3	F	1-5/16	3-5/8	1-1/2	171.2	3006C	5/16	A3	J	1-9/16	4-1/2	1-9/16	214.5
36.0	36.4	34.12	3605C	5/16	A3	J	1-9/16	4-1/2	9/16	236.3	3606C	5/16	A3	J	1-9/16	4-1/2	1-9/16	280.5
44.0	44.4	41.88	4405C	5/16	A3	J	1-9/16	4-1/2	9/16	309.2	4406C	5/16	A3	J	1-9/16	4-1/2	1-9/16	347.5
50.0	50.4	48.00	5005C	5/16	A3	J	1-9/16	4-1/2	9/16	395.0	5006C	15/32	B3	M	1-15/16	6-3/4	27/32	485.0

Datum Dia.	O.D. ◆	I.D.	Product No.	7 GROOVE F = 7-3/8							Product No.	8 GROOVE F = 8-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
7.0	7.4	5.25	707C	2-1/4	A1	SF	2-15/16	2	3-1/8	29.4	708C	2-7/16	A1	SF	3-1/8	2	3-15/16	32.2
8.0	8.4	6.25	807C	2-11/32	A1	E	3-1/4	2-5/8	2-13/32	40.9	808C	2-11/32	A1	E	3-1/4	2-5/8	3-13/32	44.2
8.5	8.9	6.75	857C	2-11/32	A1	E	3-1/4	2-5/8	2-13/32	44.8	858C	2-11/32	A1	E	3-1/4	2-5/8	3-13/32	48.4
9.0	9.4	7.25	907C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	57.1	908C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	60.9
9.5	9.9	7.68	957C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	63.7	958C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	68.0
10.0	10.4	8.24	1007C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	68.7	1008C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	75.1
10.5	10.9	8.75	1057C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	74.9	1058C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	79.4
11.0	11.4	9.25	1107C	2-1/4	A1	F	3-5/16	3-5/8	1-1/2	81.3	1108C	2-1/4	A1	F	3-5/16	3-5/8	2-1/2	86.0
12.0	12.4	10.25	1207C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	78.1	1208C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	83.3
13.0	13.4	11.25	1307C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	86.0	1308C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	91.7
14.0	14.4	12.25	1407C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	92.2	1408C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	100.8
16.0	16.4	14.12	1607C	2-1/4	A2	F	3-5/16	3-5/8	1-1/2	111.1	1608C	2-1/4	A2	F	3-5/16	3-5/8	2-1/2	119.0
18.0	18.4	16.06	1807C	2-1/4	A3	F	3-5/16	3-5/8	1-1/2	124.3	1808C	2-1/4	A3	F	3-5/16	3-5/8	2-1/2	133.7
20.0	20.4	18.12	2007C	5/16	A3	J	1-9/16	4-1/2	2-9/16	155.3	2008C	5/16	A3	J	1-9/16	4-1/2	3-9/16	162.0
24.0	24.4	22.06	2407C	5/16	A3	J	1-9/16	4-1/2	2-9/16	184.5	2408C	5/16	A3	J	1-9/16	4-1/2	3-9/16	189.4
27.0	27.4	25.06	2707C	5/16	A3	J	1-9/16	4-1/2	2-9/16	211.8	2708C	5/16	A3	J	1-9/16	4-1/2	3-9/16	242.3
30.0	30.4	28.18	3007C	5/16	A3	J	1-9/16	4-1/2	2-9/16	236.8	3008C	5/16	A3	J	1-9/16	4-1/2	3-9/16	256.0
36.0	36.4	34.12	3607C	5/16	A3	J	1-9/16	4-1/2	2-9/16	300.5	3608C	15/32	A3	M	1-15/16	6-3/4	1-5/32	406.0
44.0	44.4	41.97	4407C	15/32	A3	M	1-15/16	6-3/4	5/32	484.0	4408C	15/32	A3	M	1-15/16	6-3/4	1-5/32	510.0
50.0	50.4	48.00	5007C	15/32	A3	M	1-15/16	6-3/4	5/32	563.0	5008C	15/32	A3	M	1-15/16	6-3/4	1-5/32	600.0

* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
◆ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

Stock Classical (Conventional) Sheaves C

Dimensions

DIMENSIONS (In Inches)

Datum Dia.	O.D. ◆	I.D.	Product No.	9 GROOVE F = 9-3/8							Product No.	10 GROOVE F = 10-3/8						
				E *	Type	Bush.	K	L	M	Wt.		E *	Type	Bush.	K	L	M	Wt.
8.0	8.4	6.25	809C	2-11/32	A1	E	3-1/4	2-5/8	4-13/32	47.5	8010C	2-11/32	A1	E	3-1/4	2-5/8	5-13/32	50.8
8.5	8.9	6.75	859C	2-11/32	A1	E	3-1/4	2-5/8	4-13/32	51.9	8510C	2-11/32	A1	E	3-1/4	2-5/8	5-13/32	55.5
9.0	9.4	7.25	909C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	71.0	9010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	74.5
9.5	9.9	7.68	959C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	79.6	9510C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	83.8
10.0	10.4	8.24	1009C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	85.9	10010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	90.1
10.5	10.9	8.75	1059C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	93.7	10510C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	98.2
11.0	11.4	9.25	1109C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	101.9	11010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	106.6
12.0	12.4	10.25	1209C	2-5/16	A1	J	3-9/16	4-1/2	2-9/16	119.1	12010C	2-5/16	A1	J	3-9/16	4-1/2	3-9/16	124.4
13.0	13.4	11.25	1309C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	111.9	13010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	117.6
14.0	14.4	12.25	1409C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	120.5	14010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	126.8
16.0	16.4	14.12	1609C	2-5/16	A2	J	3-9/16	4-1/2	2-9/16	146.2	16010C	2-5/16	A2	J	3-9/16	4-1/2	3-9/16	157.3
18.0	18.4	16.06	1809C	2-5/16	A3	J	3-9/16	4-1/2	2-9/16	155.3	18010C	2-5/16	A3	J	3-9/16	4-1/2	3-9/16	164.7
20.0	20.4	18.12	2009C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	175.2	20010C	2-5/16	A3	J	3-9/16	4-1/2	3-9/16	185.7
24.0	24.4	22.06	2409C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	207.7	24010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	297.8
27.0	27.4	25.06	2709C	1-13/16	A3	J	3-1/16	4-1/2	3-1/16	242.8	-	-	-	-	-	-	-	-
30.0	30.4	28.18	3009C	15/32	A3	M	1-15/16	6-3/4	2-5/32	351.5	30010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	366.8
36.0	36.4	34.12	3609C	15/32	A3	M	1-15/16	6-3/4	2-5/32	425.0	36010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	445.0
44.0	44.4	42.12	4409C	15/32	A3	M	1-15/16	6-3/4	2-5/32	535.0	44010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	595.0
50.0	50.4	48.00	5009C	15/32	A3	M	1-15/16	6-3/4	2-5/32	623.0	50010C	15/32	A3	M	1-15/16	6-3/4	3-5/32	695.0

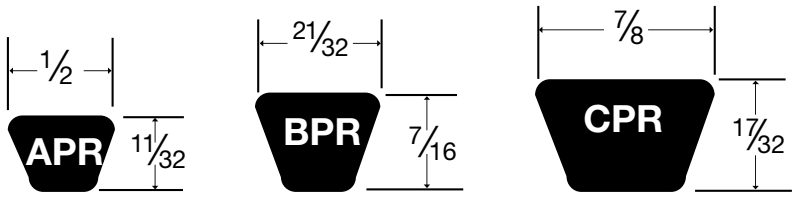
Datum Dia.	O.D. ◆	I.D.	Product No.	12 GROOVE F = 12-3/8						
				E *	Type	Bsuh.	K	L	M	Wt.
9.0	9.4	7.25	9012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	81.5
9.5	9.9	7.68	9512C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	92.2
10.0	10.4	8.25	10012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	98.6
10.5	10.9	8.75	10512C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	107.2
11.0	11.4	9.25	11012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	116.1
12.0	12.4	10.25	12012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	134.8
13.0	13.4	11.25	13012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	159.5
14.0	14.4	12.25	14012C	2-13/16	A1	J	4-1/16	4-1/2	5-1/16	143.3
16.0	16.4	14.12	16012C	2-13/16	A2	J	4-1/16	4-1/2	5-1/16	169.5
18.0	18.4	16.06	18012C	2-13/16	A3	J	4-1/16	4-1/2	5-1/16	188.0
20.0	20.4	18.06	20012C	15/32	A2	M	1-15/16	6-3/4	5-5/32	292.1
24.0	24.4	22.18	24012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	360.9
30.0	30.4	28.12	30012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	397.4
36.0	36.4	34.12	36012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	483.0
44.0	44.4	42.12	44012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	645.0
50.0	50.4	48.00	50012C	15/32	A3	M	1-15/16	6-3/4	5-5/32	755.0

* "E" Dimension varies according to shaft tolerance.
Weights for all Sure-Grip bushed items are approximate and include the bushing.
◆ P.D. is same as O.D.

Sure-Grip Bushing dimensions — see section A1

Features

The Classical Premium V-belts include three cross sections . . . A, B, and C. These sections are a continuing development of the original V-belts of the 1930's. These belts are wrapped construction and are oil and heat resistant.

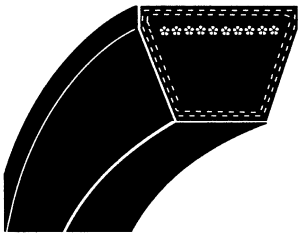


All Premium·V Belts are constructed with:

Kevlar* or aramid tensile cords
Give extraordinary strength, durability and virtually zero stretch

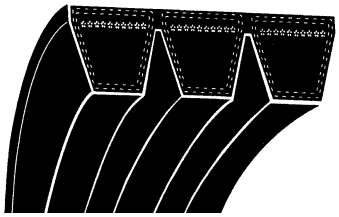
Specially-treated extra tough cover
Withstands slip and shear forces at peak loads without generating excessive heat; fends off penetration by foreign materials

Heavy duty double fabric cover
Creates maximum abrasion resistance that protects against wear caused by fine airborne dust in rock quarries and lumber mills which can cause rapid belt sidewall wear resulting in early failures



Premium Single Belts

For applications when banded belts are not an option. Single belts can be used with deep groove sheaves and drives with limited room for "take up". They can also be an "A" section solution for multi-groove A/B sheaves. Single belts should be length matched for multiple belt drives.



Premium Banded Belts

Replaces several belts with the strength of a single belt. Banded belts feature a multiple layer tie band that provides excellent lateral rigidity to prevent belts from turning over or from coming off the drive

Warning: When incorporating TB Wood's Premium-V belts, it is important to evaluate the load capacity of existing or specified sheaves. The exceptional strength of Premium-V belts, combined with tough application environments, require heavy-duty sheaves that can meet the challenge. TB Wood's offers a full array of sheaves manufactured in our foundry to meet stringent quality standards.

*Kevlar® is a registered trademark of Dupont™

Classic (Premium-V) V-Belts

Dimensions

APR Single Belts

Product No.	Belt Length*	Weight Lbs.
APR31	33	0.24
APR33	35	0.26
APR35	37	0.27
APR38	40	0.29
APR40	42	0.31
APR42	44	0.32
APR43	45	0.33
APR44	46	0.34
APR45	47	0.35
APR46	48	0.35
APR47	49	0.36
APR48	50	0.37
APR50	52	0.38
APR51	53	0.39
APR52	54	0.40
APR53	55	0.40
APR54	56	0.41

Product No.	Belt Length*	Weight Lbs.
APR55	57	0.42
APR56	58	0.43
APR58	60	0.44
APR59	61	0.45
APR60	62	0.46
APR61	63	0.46
APR62	64	0.47
APR63	65	0.48
APR64	66	0.48
APR66	68	0.50
APR68	70	0.51
APR70	72	0.53
APR71	73	0.54
APR85	87	0.64
APR87	89	0.65
APR90	92	0.68
APR91	93	0.68

BPR Single Belts

Product No.	Belt Length*	Weight Lbs.
BPR32	35	0.39
BPR38	41	0.46
BPR40	43	0.48
BPR42	45	0.50
BPR44	47	0.53
BPR46	49	0.55
BPR48	51	0.57
BPR50	53	0.59
BPR51	54	0.61
BPR52	55	0.62
BPR53	56	0.63
BPR54	57	0.64
BPR55	58	0.65
BPR56	59	0.66
BPR57	60	0.67
BPR58	61	0.68
BPR59	62	0.69
BPR60	63	0.71
BPR61	64	0.72
BPR62	65	0.73
BPR63	66	0.74
BPR64	67	0.75
BPR65	68	0.76
BPR66	69	0.77
BPR68	71	0.80

Product No.	Belt Length*	Weight Lbs.
BPR70	73	0.82
BPR71	74	0.83
BPR75	78	0.87
BPR78	81	0.91
BPR80	83	0.93
BPR81	84	0.94
BPR83	86	0.96
BPR85	88	0.99
BPR90	93	1.04
BPR93	96	1.08
BPR95	98	1.10
BPR97	100	1.12
BPR100	103	1.15
BPR103	106	1.19
BPR105	108	1.21
BPR108	111	1.24
BPR112	115	1.29
BPR120	123	1.38
BPR124	127	1.42
BPR128	131	1.47
BPR136	139	1.56
BPR144	147	1.65
BPR158	161	1.80
BPR173	176	1.97
BPR195	198	2.22

CPR Single Belts

Product No.	Belt Length*	Weight Lbs.
CPR85	89	1.86
CPR90	94	1.96
CPR96	100	2.09
CPR99	103	2.15
CPR100	104	2.17
CPR105	109	2.27
CPR112	116	2.42
CPR120	124	2.59
CPR128	132	2.75
CPR136	140	2.92
CPR144	148	3.09
CPR158	162	3.38
CPR162	166	3.46
CPR173	177	3.69
CPR180	184	3.84
CPR195	199	4.15
CPR240	242	5.05

CPR Banded Belts

Product No.	Belt Length*	Weight Lbs.
3/CPR85	89	5.85
3/CPR90	94	6.17
3/CPR99	103	6.77
4/CPR240	242	21.19
4/CPR330	332	29.08
4/CPR345	347	30.39
4/CPR360	362	31.70
5/CPR195	199	21.79
5/CPR225	227	24.85
5/CPR255	257	28.13

* Belt length = the outside circumference (in.)

1. Determine DESIGN HORSEPOWER

DESIGN HORSEPOWER = DriveR HP x Service Factor (See below)

SERVICE FACTORS

DRIVEN MACHINE See Note 1	DRIVER					
	AC Normal Torque Electric Motor (NEMA Design A-B) See Note 2			AC High Torque Electric Motor NEMA Design C-D) See Note 3		
	Intermittent Service See Note 4	Normal Service See Note 5	Continous Service See Note 6	Intermittent Service See Note 4	Normal Service See Note 5	Continous Service See Note 6
Agitators for Liquids Blowers and Exhausters Centrifugal Pumps and Compressors Conveyors (Light Duty) Fans (up to 10 H.P.)	1.0	1.1	1.2	1.1	1.2	1.3
Belt Conveyors for Sand, Grain, etc. Fans (over 10 H.P.) Generators Laundry Machinery Line Shafts Machine Tools Mixers (Dough) Positive Displacement Rotary Pumps Printing Machinery Punches-Presses-Shears See Note 1 Revolving and Vibrating Screens	1.1	1.2	1.3	1.2	1.3	1.4
Blowers (Positive Displacement) Brick Machinery Compressors (Piston) See Note 1 Conveyors (Drag-Pan-Screw) Elevators (Bucket) Exciters Hammer Mills Paper Mill Beaters Pulverizers Pumps (Piston) Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) See Note 1 Mills (Ball-Rod-Tube) See Note 1 Hoists See Note 1 Rubber Calenders-Extruders-Mills See Note1	1.3	1.4	1.5	1.5	1.6	1.8

Note 1 The Driven Machines listed above are representative samples only. When one of the sheaves of the drive is used as a flywheel to reduce speed fluctuations and equalize the energy exerted at the shaft or for applications involving impact or jam loads, specially constructed sheaves may be required. Consult the manufacturer.

Note 2 Included under this heading are the following electric motors: Synchronous and Squirrel Cage AC Normal Torque, AC Split Phase, DC Shunt Wound and Internal Combustion Engines.

Note 3 Included under this heading are the following electric motors: AC High Torque, AC Hi-Slip, AC Repulsion, Induction, AC Single Phase Series Wound, AC Slip Ring and DC Compound Wound.

Note 4 Intermittent Service refers to 3–5 hours of daily or seasonal operation.

Note 5 Normal Service indicates 8–10 hours of daily operation.

Note 6 Continuous Service refers to 16–24 hours of daily operation.

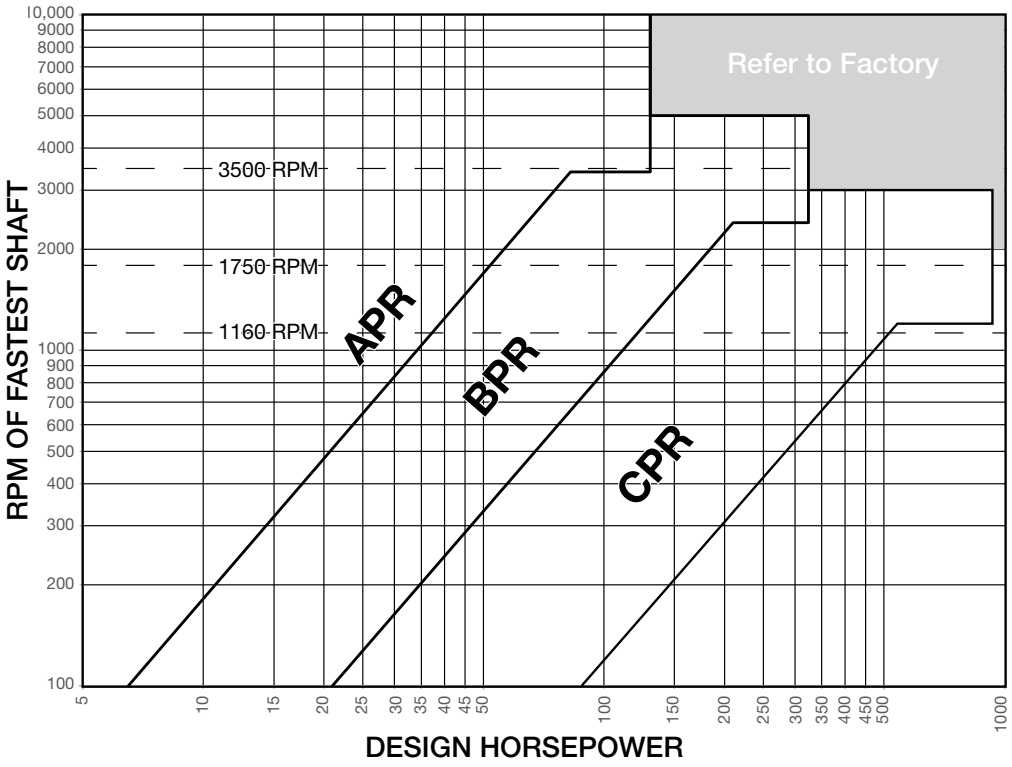
Note 7 If idlers are used, add the following to the service factor.

Idler on slack side (inside)	None
Idler on slack side (outside)	0.1
Idler on tight side (inside)	0.1
Idler on tight side (outside)	0.2

Drive Selection

Classical Belts

2. Select BELT CROSS SECTION using chart below.



3. If using a 60 HZ electric motor, **Note the Minimum Motor Sheave Outside Diameter recommended by NEMA.**

Motor Horsepower	MOTOR RPM			
	870	1160	1750	3500
1/2	2.2	-	-	-
3/4	2.4	2.2	-	-
1	2.4	2.4	2.2	-
1-1/2	2.4	2.4	2.4	2.2
2	3.0	2.4	2.4	2.4
3	3.0	3.0	2.4	2.4
5	3.8	3.0	3.0	2.6
7-1/2	4.4	3.8	3.0	3.0
10	4.6	4.4	3.8	3.0
15	5.4	4.6	4.4	3.8
20	6.0	5.4	4.6	4.4
25	6.8	6.0	5.0	4.4
30	6.8	6.8	5.4	-
40	8.2	6.8	6.0	-
50	9.0	8.2	6.8	-
60	10.0	9.0	7.4	-
75	10.5	10.0	9.0	-
100	12.5	11.0	10.0	-
125	-	12.5	11.5	-
150	-	-	-	-
200	-	-	-	-
250	-	-	-	-
300	-	-	-	-

Classical Belts

- BELT LENGTH = 2 x C + 1.57 x (D + d) + [$(D - d)^2$ / (4 x C)]
- CENTER DISTANCE = 1/2 x [A – h x (D – d)]

WHERE:

C = Center Distance (in.)
L = Belt Datum Length (in.)
A = L – 1.57 x (D + d)
D = Datum Diameter of larger sheave (in.)
d = Datum Diameter of smaller sheave (in.)
h = Factor from chart below

D - d / A	h	D - d / A	h	D - d / A	h	D - d / A	h
0.00	0.00	0.16	0.08	0.30	0.16	0.43	0.24
0.02	0.01	0.18	0.09	0.32	0.17	0.44	0.25
0.04	0.02	0.20	0.10	0.34	0.18	0.46	0.26
0.06	0.03	0.21	0.11	0.35	0.19	0.47	0.27
0.08	0.04	0.23	0.12	0.37	0.20	0.48	0.28
0.10	0.05	0.25	0.13	0.39	0.21	0.50	0.29
0.12	0.06	0.27	0.14	0.40	0.22	0.51	0.30
0.14	0.07	0.29	0.15	0.41	0.23	-	-

AC FACTORS

D – d / C	Factor Ac	D – d / C	Factor Ac
0.000	1.000	0.750	0.879
0.025	0.997	0.775	0.874
0.050	0.994	0.800	0.869
0.075	0.990	0.825	0.864
0.100	0.987	0.850	0.858
0.125	0.983	0.875	0.852
0.150	0.980	0.900	0.847
0.175	0.977	0.925	0.841
0.200	0.973	0.950	0.835
0.225	0.969	0.975	0.829
0.250	0.966	1.000	0.823
0.275	0.962	1.025	0.816
0.300	0.958	1.050	0.810
0.325	0.954	1.075	0.803
0.350	0.951	1.100	0.796
0.375	0.947	1.125	0.789
0.400	0.943	1.150	0.782
0.425	0.939	1.175	0.774
0.450	0.935	1.200	0.767
0.475	0.930	1.225	0.759
0.500	0.926	1.250	0.751
0.525	0.922	1.275	0.742
0.550	0.917	1.300	0.734
0.575	0.913	1.325	0.725
0.600	0.908	1.350	0.716
0.625	0.904	1.375	0.706
0.650	0.899	1.400	0.697
0.675	0.894	1.425	0.687
0.700	0.889	-	-
0.725	0.884	-	-

LC FACTORS

Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc	Belt No.	Correction Factor Lc
APR31	.84	BPR35	.81	CPR85	.90
APR35	.87	BPR38	.83	CPR90	.91
APR38	.88	BPR42	.85	CPR96	.92
APR42	.90	BPR46	.87	CPR105	.94
APR46	.92	BPR51	.89	CPR112	.95
APR51	.94	BPR55	.90	CPR120	.97
APR55	.96	BPR60	.92	CPR128	.98
APR60	.98	BPR68	.95	CPR136	.99
APR68	1.00	BPR75	.97	CPR144	1.00
APR75	1.02	BPR81	.98	CPR158	1.02
APR80	1.04	BPR85	.99	CPR162	1.03
APR85	1.05	BPR90	1.00	CPR173	1.04
APR90	1.06	BPR97	1.02	CPR180	1.05
APR96	1.08	BPR105	1.04	CPR195	1.07
APR105	1.10	BPR112	1.05	CPR210	1.08
APR112	1.11	BPR120	1.07	CPR240	1.11
APR120	1.13	BPR128	1.08	CPR270	1.14
APR128	1.14	BPR136	1.09	CPR300	1.16
		BPR144	1.11	CPR360	1.21
		BPR158	1.13	CPR390	1.23
		BPR173	1.15	CPR420	1.24
		BPR180	1.16		
		BPR195	1.18		
		BPR210	1.19		
		BPR240	1.22		
		BPR270	1.25		
		BPR300	1.27		

NOTE: Includes AX, BX, CX, and DX belts.

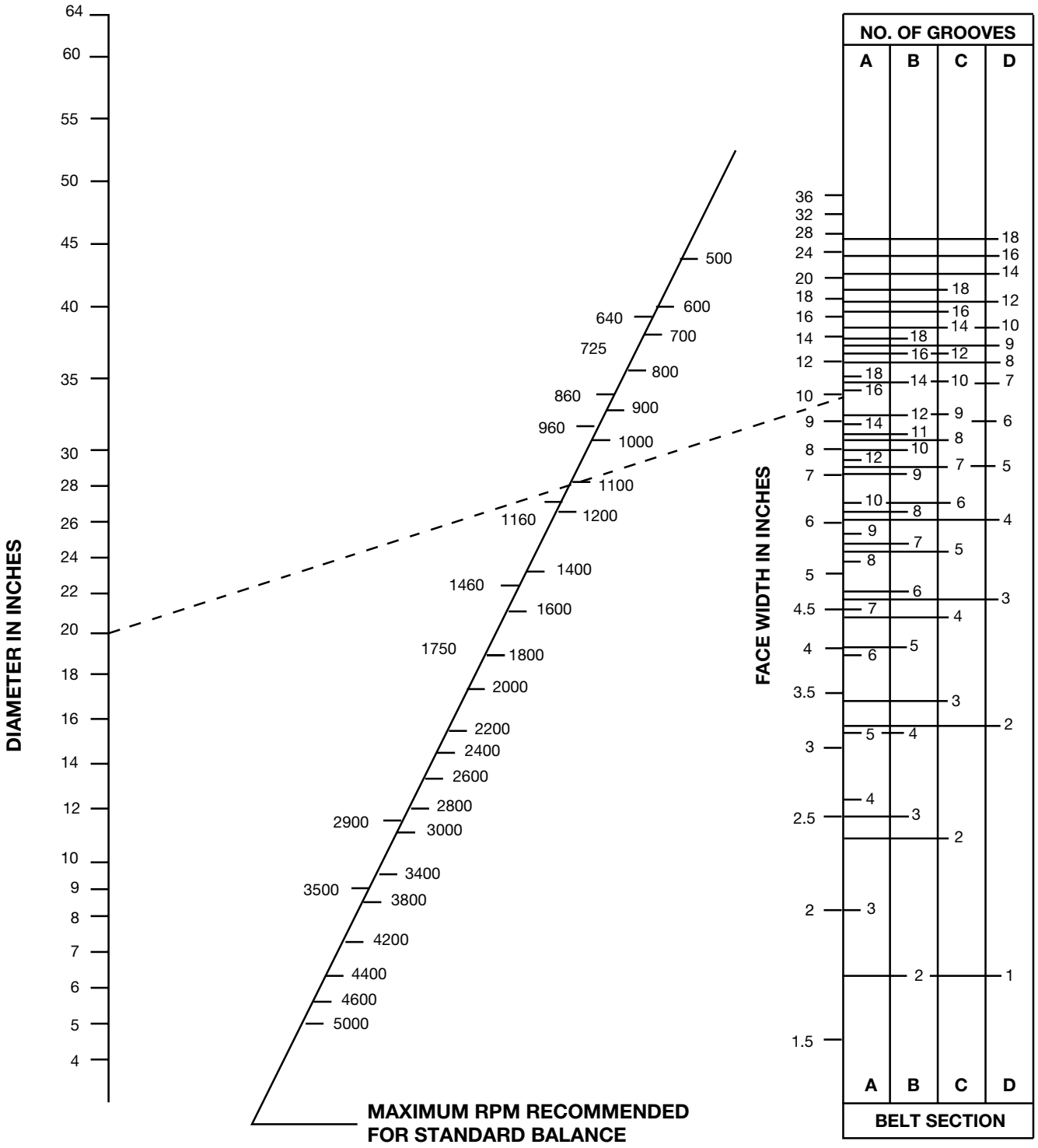
Balancing Standards

Proper balance of rotating products is important for smooth, vibration-free operation. Standard balance of Wood's stock products is a one plane balance. Depending on the face width, outside diameter, and operating speed a higher precision balance may be required for smooth operation. In those cases a two-plane balance is suggested.

Note: Two plane balance is for smooth operation only and DOES NOT increase the maximum safe operating speed of the product. Stock cast iron wheels may not exceed 6,550 feet per minute; and ductile iron wheels are limited to 10,000 FPM. (FPM = sheave outside diameter x RPM x .262)

The nomograph below may be used as a guideline to determine when two-plane balance is recommended. To use this chart lay a straight-edge between the diameter of the part on the left of the chart and the face width of the part on the right. The straight edge will intersect the slanted scale in the center of the chart. When the operating speed is greater than the intersection point a two-plane balance is recommended.

Example: If a 20 in. diameter x 10 in. face width sheave runs faster than 1100 rpm, dynamic balancing is recommended.



Classical Belts

Example: A 60 HP 1780 RPM NEMA C motor driving a machine tool operating at 1250 RPM, 24 hours per day. The motor shaft is 2-3/8" diameter, the machine tool is supplied with a 12.75 x 3B sheave mounted and the center distance is 32".

Procedure	Example
Step #1: Calculate the Design Horsepower DHP=DriveR HP x service factor (page BP2-13)	Service Factor = 1.4 DHP = 60 x 1.4 = 84
Step #2: Choose the Belt Cross Section Reference chart (page BP2-14)	84 DHP and 1780 RPM intersect in the BP section.
Step #3: Check NEMA recommended Minimum Motor Sheave Outside Diameter (page BP2-14)	Minimum O.D. for a 60 HP, 1780 RPM motor is 7.4 inches
Step #4: Calculate Speed Ratio Speed Ratio = Faster RPM/Slower RPM	Speed Ratio = 1780 RPM / 1250 RPM = 1.42
Step #5: Use the Ratio and any diameter limits or known sheaves to determine the diameters of DriveR and DriveN. Try to utilize stock parts when possible.	12.75 OD Known DriveN Sheave = 12.4 PD 12.4 PD DriveN Sheave / 1.42 Ratio = 8.73 PD DriveR Sheave Use Stock 86B stock sheave = 8.6 PD
Step #6: Using the diameter of the sheave the actual ratio and speed can be calculated.	Actual Ratio = 12.4 DriveN / 8.6 DriveR = 1.44 Actual RPM = 1780 RPM DriveR / 1.44 = 1236 RPM DriveN
Step #7: Calculate Belt Length to determine the closest stock belt. Then calculate the actual CD using the stock belt. (Formulas on page BP2-15)	BL = 2 x 32 + 1.57 x (12.4 + 8.6) + $[(12.4 - 8.6)^2 / (4 \times 32)]$ BL = 97.1 – Use a BP95 Belt A = 96.8 – 1.57 x (12.4 + 8.6) = 63.8 CD = ½ x [63.8 - .03 x (12.4 – 8.6)] = 31.84"
Step #8: Find the AC and LC correction factors. (Page BP2-15)	AC factor = .985 LC factor for BP95 belts = 1.01
Step #9: In the HP Rating Tables, following the Drive Selection Tables, locate the HP per Belt under the correct Belt Section. (Use Small Sheave Diameter and RPM)	BP rating tables (Page XX-XX to XX) 8.6 diameter @ 1780 RPM HP / Belt = 30.0
Step #10: Calculate corrected HP per Belt Add on for ratio is found to the right of the HP Rating Tables CHP = (HP per Belt + Add on) x AC x LC	Add on for 1.44 ratio = 1.21 CHP = (30.0 + 1.21) x .985 x 1.01 = 31.05
Step #11: Determine the number of belts required NOB = Design HP / CHP	NOB = 84 DHP / 31.05 CHP = 2.71 Use 3 belts
Step #12: Check for Dynamic Balance Recommendations Reference Chart (page BP2-16)	OK as Standard – 8.6 x 3B standard balance good to 3800 RPM OK as Standard – 12.4 x 3B standard balance good to 3000 RPM
Step #13: Stock cast iron parts are good to 6500 FPM. If operating faster MTO ductile iron is required. FPM = diameter (in.) x RPM x .262	FPM = 8.95 x 1780 x .262 = 4174 FPM Standard Cast Iron parts are OK.
Step #14: Specify Drive Components Reference Component Dimensional pages for Product Number	**Item** / **Product No.** / **Ref. Page** DR - 8.6 x 3B sheave / 863B / BP2-5 - SK Bushing for 2-3/8" bore / SK238 / A1-5 DN - Existing 12.4 x 3B sheave / 1243B / BP2-5 Belts - Qty. of 3 Belts / BPR95 / BP2-12

Horsepower Rating for APR Belts

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT														
	SMALL SHEAVE DATUM DIAMETER														
	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.60	4.80	5.00	5.20	5.60	6.00	6.40	7.00
1160	2.24	2.69	3.12	3.56	4.00	4.43	4.86	5.71	6.14	6.56	6.98	7.82	8.65	9.47	10.70
1425	2.62	3.15	3.68	4.21	4.73	5.25	5.77	6.79	7.30	7.81	8.31	9.31	10.30	11.30	12.70
1750	3.04	3.68	4.32	4.95	5.57	6.20	6.82	8.04	8.65	9.25	9.85	11.00	12.20	13.40	15.10
2850	4.19	5.16	6.12	7.07	8.01	8.93	9.85	11.60	12.50	13.40	14.30	15.90	17.50	19.10	21.30
3450	4.63	5.76	6.87	7.97	9.05	10.10	11.10	13.20	14.20	15.10	16.10	17.90	19.60	21.20	2.22
200	0.54	0.63	0.71	0.80	0.88	0.97	1.05	1.22	1.31	1.39	1.47	1.64	1.81	1.97	4.16
400	0.96	1.13	1.29	1.46	1.62	1.78	1.94	2.26	2.42	2.58	2.74	3.06	3.38	3.69	5.99
600	1.34	1.58	1.82	2.06	2.29	2.53	2.76	3.23	3.47	3.70	3.93	4.39	4.85	5.31	7.73
800	1.68	2.00	2.31	2.62	2.93	3.24	3.54	4.15	4.46	4.76	5.06	5.66	6.26	6.85	9.41
1000	2.00	2.39	2.77	3.15	3.53	3.91	4.29	5.04	5.41	5.78	6.15	6.88	7.61	8.33	11.00
1200	2.30	2.76	3.21	3.66	4.11	4.56	5.00	5.88	6.32	6.75	7.19	8.05	8.90	9.75	12.50
1400	2.59	3.11	3.63	4.15	4.66	5.17	5.68	6.69	7.20	7.69	8.19	9.18	10.20	11.10	14.00
1600	2.85	3.44	4.03	4.61	5.19	5.77	6.34	7.48	8.04	8.60	9.15	10.30	11.30	12.40	15.40
1800	3.10	3.76	4.41	5.06	5.70	6.34	6.97	8.23	8.85	9.46	10.10	11.30	12.50	13.70	16.70
2000	3.34	4.06	4.77	5.48	6.18	6.88	7.58	8.95	9.62	10.30	11.00	12.30	13.60	14.80	17.90
2200	3.56	4.34	5.12	5.89	6.65	7.40	8.15	9.63	10.40	11.10	11.80	13.20	14.60	16.00	19.10
2400	3.77	4.61	5.45	6.27	7.09	7.90	8.71	10.30	11.10	11.80	12.60	14.10	15.60	17.00	20.10
2600	3.96	4.86	5.76	6.64	7.51	8.38	9.23	10.90	11.70	12.60	13.40	14.90	16.50	18.00	21.10
2800	4.14	5.10	6.05	6.98	7.91	8.83	9.73	11.50	12.40	13.20	14.10	15.70	17.30	18.90	22.00
3000	4.31	5.32	6.32	7.31	8.29	9.25	10.20	12.10	13.00	13.90	14.70	16.50	18.10	19.70	22.70
3200	4.46	5.53	6.58	7.62	8.64	9.65	10.60	12.60	13.50	14.50	15.40	17.10	18.80	20.40	22.70
3400	4.60	5.72	6.82	7.90	8.97	10.00	11.10	13.10	14.00	15.00	15.90	17.70	19.50	21.10	
3600	4.72	5.89	7.04	8.16	9.27	10.40	11.40	13.50	14.50	15.50	16.40	18.30	20.00		
3800	4.83	6.04	7.23	8.40	9.55	10.70	11.80	13.90	14.90	15.90	16.90	18.80			
4000	4.93	6.18	7.41	8.62	9.80	11.00	12.10	14.30	15.30	16.30	17.30				
4200	5.00	6.30	7.57	8.82	10.00	11.20	12.40	14.60	15.60	16.70					
4400	5.07	6.40	7.71	8.99	10.20	11.40	12.60	14.90	15.90						
4600	5.11	6.49	7.83	9.13	10.40	11.60	12.80	15.10							
4800	5.14	6.55	7.92	9.25	10.50	11.80	13.00								
5000	5.16	6.59	7.99	9.34	10.70	11.90	13.10								

* Made-to-order ductile iron sheaves required.

Horsepower Rating for APR Belts

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page BP2-15, should be applied to the total hp per belt before determining the number of belts required for the drive.

RPM of Faster Shaft	"ADD-ON" HORSEPOWER RATING PER BELT									
	SPEED RATIO									
	1.00	1.02	1.03	1.05	1.06	1.08	1.10	1.14	1.20	1.29
	1.01	1.02	1.04	1.05	1.07	1.10	1.13	1.19	1.28	over
1160	0.00	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27	0.30
1425	0.00	0.04	0.08	0.12	0.17	0.21	0.25	0.29	0.33	0.37
1750	0.00	0.05	0.10	0.15	0.20	0.25	0.31	0.36	0.41	0.46
2850	0.00	0.08	0.17	0.25	0.33	0.41	0.50	0.58	0.66	0.75
3450	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
200	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05
400	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10
600	0.00	0.02	0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.16
800	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.16	0.19	0.21
1000	0.00	0.03	0.06	0.09	0.12	0.15	0.17	0.20	0.23	0.26
1200	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
1400	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.29	0.33	0.37
1600	0.00	0.05	0.09	0.14	0.19	0.23	0.28	0.33	0.37	0.42
1800	0.00	0.05	0.10	0.16	0.21	0.26	0.31	0.37	0.42	0.47
2000	0.00	0.06	0.12	0.17	0.23	0.29	0.35	0.41	0.47	0.52
2200	0.00	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
2400	0.00	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
2600	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.61	0.68
2800	0.00	0.08	0.16	0.24	0.33	0.41	0.49	0.57	0.65	0.73
3000	0.00	0.09	0.17	0.26	0.35	0.44	0.52	0.61	0.70	0.79
3200	0.00	0.09	0.19	0.28	0.37	0.47	0.56	0.65	0.74	0.84
3400	0.00	0.10	0.20	0.30	0.40	0.49	0.59	0.69	0.79	0.89
3600	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
3800	0.00	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	1.00
4000	0.00	0.12	0.23	0.35	0.47	0.58	0.70	0.81	0.93	1.05
4200	0.00	0.12	0.24	0.37	0.49	0.61	0.73	0.86	0.98	1.10
4400	0.00	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.02	1.15
4600	0.00	0.13	0.27	0.40	0.54	0.67	0.80	0.94	1.07	1.21
4800	0.00	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
5000	0.00	0.15	0.29	0.44	0.58	0.73	0.87	1.02	1.16	1.31

Horsepower Rating for BPR Belts

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT										
	SMALL SHEAVE DATUM DIAMETER										
	4.60	5.00	5.20	5.40	5.60	6.00	6.40	6.80	7.40	8.60	9.40
725	4.50	5.50	6.00	6.50	6.99	7.98	8.96	9.93	11.40	14.30	16.10
870	5.20	6.38	6.97	7.56	8.14	9.31	10.50	11.60	13.30	16.70	18.90
950	5.57	6.85	7.49	8.13	8.76	10.00	11.30	12.50	14.40	18.00	20.40
1160	6.50	8.03	8.79	9.55	10.30	11.80	13.30	14.80	17.00	21.30	24.10
1425	7.58	9.41	10.30	11.20	12.10	13.90	15.70	17.50	20.10	25.10	28.40
1750	8.76	11.00	12.00	13.10	14.20	16.30	18.40	20.50	23.50	29.40	33.10
2850	11.70	14.80	16.40	17.90	19.40	22.40	25.20	28.00	31.90		
3450	12.50	16.00	17.70	19.40	21.10	24.20	27.30	30.10			
200	1.55	1.85	2.00	2.15	2.30	2.60	2.90	3.19	3.64	4.51	5.10
400	2.77	3.35	3.64	3.92	4.21	4.78	5.35	5.91	6.75	8.42	9.53
600	3.86	4.70	5.12	5.54	5.96	6.79	7.61	8.43	9.65	12.1	13.7
800	4.87	5.96	6.51	7.05	7.59	8.67	9.74	10.80	12.4	15.5	17.6
1000	5.80	7.14	7.81	8.47	9.13	10.5	11.8	13.10	15.0	18.8	21.3
1200	6.67	8.25	9.03	9.81	10.6	12.1	13.7	15.2	17.4	21.9	24.8
1400	7.48	9.29	10.2	11.1	12.0	13.7	15.5	17.2	19.8	24.8	28.0
1600	8.23	10.3	11.3	12.3	13.3	15.2	17.2	19.1	22.0	27.5	31.0
1800	8.93	11.2	12.3	13.4	14.5	16.6	18.8	20.9	24.0	30.0	33.8
2000	9.57	12.0	13.2	14.4	15.6	18.0	20.3	22.5	25.9	32.2	36.2
2200	10.2	12.8	14.1	15.4	16.7	19.2	21.6	24.1	27.6	34.3	38.4
2400	10.7	13.5	14.9	16.3	17.6	20.3	22.9	25.4	29.1	36.0	40.3
2600	11.2	14.1	15.6	17.1	18.5	21.3	24.0	26.7	30.5	37.6	
2800	11.6	14.7	16.2	17.8	19.3	22.2	25.0	27.8	31.7		
3000	11.9	15.2	16.8	18.4	19.9	23.0	25.9	28.7	32.6		
3200	12.2	15.6	17.3	18.9	20.5	23.6	26.6	29.4	33.4		
3400	12.4	15.9	17.6	19.3	21.0	24.1	27.1	30.0			
3600	12.6	16.2	17.9	19.6	21.3	24.5	27.5				
3800	12.6	16.3	18.1	19.8	21.5	24.8					
4000	12.6	16.4	18.2	19.9	21.6						

Horsepower Rating for BPR Belts

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page BP2-15, should be applied to the total hp per belt before determining the number of belts required for the drive.

RPM of Faster Shaft	"ADD-ON" HORSEPOWER RATING PER BELT									
	SPEED RATIO									
	1.00	1.02	1.03	1.05	1.06	1.08	1.10	1.14	1.20	1.29
	1.01	1.02	1.04	1.05	1.07	1.10	1.13	1.19	1.28	over
725	0.00	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.43	0.49
870	0.00	0.07	0.13	0.20	0.26	0.33	0.39	0.46	0.52	0.59
950	0.00	0.07	0.14	0.21	0.28	0.36	0.43	0.50	0.57	0.64
1160	0.00	0.09	0.17	0.26	0.35	0.44	0.52	0.61	0.70	0.78
1425	0.00	0.11	0.21	0.32	0.43	0.53	0.64	0.75	0.85	0.96
1750	0.00	0.13	0.26	0.39	0.53	0.66	0.79	0.92	1.05	1.18
2850	0.00	0.21	0.43	0.64	0.86	1.07	1.28	1.50	1.71	1.92
3450	0.00	0.26	0.52	0.78	1.04	1.29	1.55	1.81	2.07	2.33
200	0.00	0.01	0.03	0.04	0.06	0.08	0.09	0.10	0.12	0.13
400	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
600	0.00	0.04	0.09	0.14	0.18	0.23	0.27	0.31	0.36	0.40
800	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
1000	0.00	0.07	0.15	0.22	0.30	0.38	0.45	0.52	0.60	0.67
1200	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
1400	0.00	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
1600	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
1800	0.00	0.13	0.27	0.40	0.54	0.67	0.81	0.94	1.08	1.21
2000	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
2200	0.00	0.16	0.33	0.50	0.66	0.83	0.99	1.15	1.32	1.48
2400	0.00	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.62
2600	0.00	0.19	0.39	0.58	0.78	0.97	1.17	1.36	1.56	1.75
2800	0.00	0.21	0.42	0.63	0.84	1.05	1.26	1.47	1.68	1.89
3000	0.00	0.22	0.45	0.67	0.90	1.13	1.35	1.57	1.80	2.02
3200	0.00	0.24	0.48	0.72	0.96	1.20	1.44	1.68	1.92	2.16
3400	0.00	0.25	0.51	0.76	1.02	1.28	1.53	1.78	2.04	2.29
3600	0.00	0.27	0.54	0.81	1.08	1.35	1.62	1.89	2.16	2.43
3800	0.00	0.28	0.57	0.85	1.14	1.42	1.71	1.99	2.28	2.56
4000	0.00	0.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.70

Horsepower Rating for CPR Belts

Classical horsepower ratings per belt are listed below and on the facing page. To obtain the basic horsepower rating per belt, locate the rpm of the faster shaft in the left-hand column. Read on this line across to the column headed by the diameter of the smaller sheave. The figure given is the basic horsepower rating. For convenience the standard motor speeds are grouped at the beginning of the chart. On the same horizontal line read the "add-on" rating in the column headed by the drive speed ratio. Add the basic rating to the "add-on" rating to obtain the total horsepower rating per belt.

RPM of Faster Shaft	BASIC HORSEPOWER RATING PER BELT												
	SMALL SHEAVE DATUM DIAMETER												
	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	16.00
575	10.4	12.3	14.1	16.0	17.8	19.6	21.4	23.2	25.0	28.6	32.1	35.6	42.5
690	12.1	14.3	16.5	18.6	20.8	22.9	25.0	27.2	29.3	33.4	37.6	41.6	49.6
725	12.6	14.9	17.1	19.4	21.7	23.9	26.1	28.3	30.5	34.9	39.2	43.4	51.7
870	14.5	17.2	19.9	22.5	25.2	27.8	30.4	33.0	35.6	40.6	45.6	50.5	60.1
950	15.5	18.4	21.3	24.2	27.0	29.9	32.7	35.5	38.2	43.7	49.0	54.2	64.4
1160	18.0	21.5	24.9	28.3	31.7	35.0	38.3	41.5	44.8	51.1	57.3	63.3	74.8
1425	20.8	24.9	29.0	33.0	36.9	40.8	44.6	48.4	52.1	59.4	66.4	73.1	85.7
1750	23.7	28.5	33.2	37.9	42.4	46.9	51.2	55.5	59.6	67.6	75.2		
100	2.39	2.75	3.12	3.48	3.84	4.19	4.55	4.91	5.26	5.97	6.67	7.37	8.77
200	4.33	5.03	5.72	6.41	7.10	7.79	8.47	9.15	9.83	11.2	12.5	13.9	16.5
300	6.10	7.12	8.13	9.14	10.1	11.1	12.1	13.1	14.1	16.1	18.1	20.0	23.9
400	7.76	9.09	10.4	11.7	13.0	14.3	15.6	16.9	18.2	20.8	23.3	25.9	30.9
500	9.32	11.0	12.6	14.2	15.8	17.4	19.0	20.6	22.2	25.3	28.4	31.5	37.6
600	10.8	12.7	14.7	16.6	18.5	20.4	22.2	24.1	26.0	29.7	33.3	36.9	44.1
700	12.2	14.5	16.7	18.9	21.0	23.2	25.4	27.5	29.6	33.8	38.0	42.1	50.2
800	13.6	16.1	18.6	21.0	23.5	25.9	28.4	30.8	33.2	37.9	42.6	47.2	56.1
900	14.9	17.7	20.4	23.2	25.9	28.6	31.3	33.9	36.6	41.8	46.9	51.9	61.8
1000	16.1	19.2	22.2	25.2	28.2	31.1	34.1	37.0	39.8	45.5	51.1	56.5	67.1
1200	18.4	22.0	25.5	29.0	32.5	35.9	39.3	42.6	45.9	52.4	58.8	64.9	76.6
1400	20.5	24.6	28.6	32.5	36.4	40.3	44.1	47.8	51.5	58.7	65.6	72.3	84.7
1600	22.4	26.9	31.3	35.7	40.0	44.2	48.4	52.4	56.4	64.1	71.5	78.4	
1800	24.0	29.0	33.8	38.5	43.2	47.7	52.1	56.4	60.6	68.7	76.3		
2000	25.4	30.7	35.9	40.9	45.9	50.6	55.3	59.8	64.1	72.4			
2200	26.6	32.2	37.7	43.0	48.1	53.1	57.8	62.4					
2400	27.5	33.3	39.0	44.5	49.8	54.9							
2600	28.1	34.2	40.0	45.7	51.0								
2800	28.4	34.6	40.6										
3000	28.3	34.7											

Horsepower Rating for CPR Belts

The combined Arc-Length correction factor shown in the Classical pre-engineered drive tables or in the Arc-of-Contact correction factor table and the Belt Length correction factor table, page BP2-15, should be applied to the total hp per belt before determining the number of belts required for the drive.

RPM of Faster Shaft	"ADD-ON" HORSEPOWER RATING PER BELT									
	SPEED RATIO									
	1.00	1.02	1.03	1.05	1.06	1.08	1.10	1.14	1.20	1.29
	1.01	1.02	1.04	1.05	1.07	1.10	1.13	1.19	1.28	over
575	0.00	0.12	0.24	0.35	0.47	0.59	0.71	0.82	0.94	1.06
690	0.00	0.14	0.28	0.42	0.56	0.71	0.85	0.99	1.13	1.27
725	0.00	0.15	0.30	0.45	0.59	0.74	0.89	1.04	1.19	1.34
870	0.00	0.18	0.36	0.53	0.71	0.89	1.07	1.25	1.42	1.60
950	0.00	0.19	0.39	0.58	0.78	0.97	1.17	1.36	1.56	1.75
1160	0.00	0.24	0.47	0.71	0.95	1.19	1.42	1.66	1.90	2.14
1425	0.00	0.29	0.58	0.88	1.17	1.46	1.75	2.04	2.33	2.62
1750	0.00	0.36	0.72	1.07	1.43	1.79	2.15	2.51	2.87	3.22
100	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
200	0.00	0.04	0.08	0.12	0.16	0.20	0.25	0.29	0.33	0.37
300	0.00	0.06	0.12	0.18	0.25	0.31	0.37	0.43	0.49	0.55
400	0.00	0.08	0.16	0.25	0.33	0.41	0.49	0.57	0.65	0.74
500	0.00	0.10	0.20	0.31	0.41	0.51	0.61	0.72	0.82	0.92
600	0.00	0.12	0.25	0.37	0.49	0.61	0.74	0.86	0.98	1.11
700	0.00	0.14	0.29	0.43	0.57	0.72	0.86	1.00	1.15	1.29
800	0.00	0.16	0.33	0.49	0.66	0.82	0.98	1.15	1.31	1.47
900	0.00	0.18	0.37	0.55	0.74	0.92	1.11	1.29	1.47	1.66
1000	0.00	0.20	0.41	0.61	0.82	1.02	1.23	1.43	1.64	1.84
1200	0.00	0.25	0.49	0.74	0.98	1.23	1.47	1.72	1.96	2.21
1400	0.00	0.29	0.57	0.86	1.15	1.43	1.72	2.01	2.29	2.58
1600	0.00	0.33	0.65	0.98	1.31	1.64	1.96	2.29	2.62	2.95
1800	0.00	0.37	0.74	1.11	1.47	1.84	2.21	2.58	2.95	3.32
2000	0.00	0.41	0.82	1.23	1.64	2.05	2.46	2.87	3.27	3.68
2200	0.00	0.45	0.90	1.35	1.80	2.25	2.70	3.15	3.60	4.05
2400	0.00	0.49	0.98	1.47	1.97	2.46	2.95	3.44	3.93	4.42
2600	0.00	0.53	1.06	1.60	2.13	2.66	3.19	3.73	4.26	4.79
2800	0.00	0.57	1.15	1.72	2.29	2.87	3.44	4.01	4.58	5.16
3000	0.00	0.61	1.23	1.84	2.46	3.07	3.68	4.30	4.91	5.53

Notes