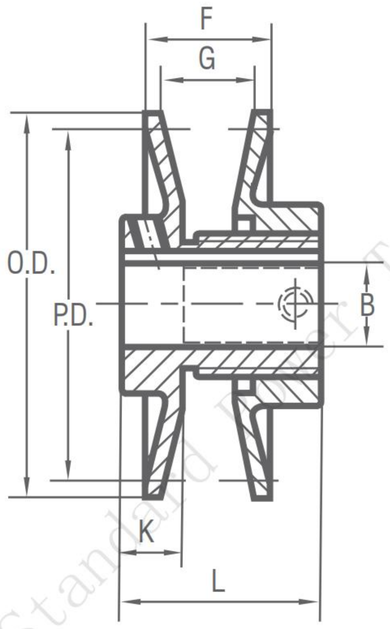
NSPT New Standard Power Transmission

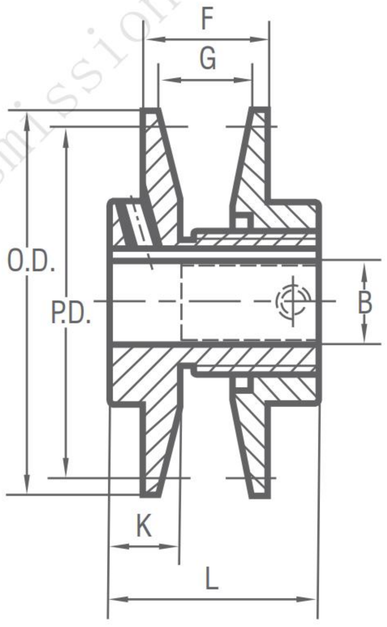
Adjustable Speed V-pulleys

Cast Iron Sheaves

Finished Bore



TYPE "CVL"



TYPE "CVM"



Stock "CVL" and "CVM" Variable Pitch Sheaves

Part No.	DIAMETER RANGE												STOCK BORES MARKED "X"			
	"3L" Belts				"4L" or "A" Belts				"5L" or "B" Belts							
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	1/2	5/8	3/4	7/8
CVL25	1.6	4	2.4	0	—	—	—	—	—	—	—	—	●	●		
CVL30	1.8	4	2.7	0	—	—	—	—	—	—	—	—	●	●		
CVL34	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	●	●	●	
CVL40	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	●	●	●	●
CVL44	2.7	4	3.5	0	2.8	5	4.4	0	3.1	6	4.1	1	●	●	●	●
CVM50	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	●	●	●	●

Do not use "CVL" and "CVM" sheaves with Gripnotch Belt Ratings.

"CVL" Sheaves are machined on essential surfaces only. "CVM" Sheaves are machined all over. Both are furnished with Standard Keyseats and Hollow Head Setscrews and are packaged 20 pieces per carton box.

Dimensions

Part No.	Dimensions							Wt. Lbs.
	OD	F		G		L	K	
		Max.	Min.	Max.	Min.			
CVL25	2.50"	25/32"	17/32"	5/8"	3/8"	1 1/2"	37/64"	.8
CVL30	2.87	25/32	17/32	5/8	3/8	1 1/2	37/64	1.0
CVL34	3.15	1	5/8	7/8	1/2	1 11/16	37/64	1.1
CVL40	3.75	1	5/8	7/8	1/2	1 11/16	37/64	1.3
CVL44	4.15	1	5/8	7/8	1/2	1 11/16	37/64	1.3
CVM50	4.75	1 1/16	11/16	7/8	1/2	1 7/8	21/32	2.8

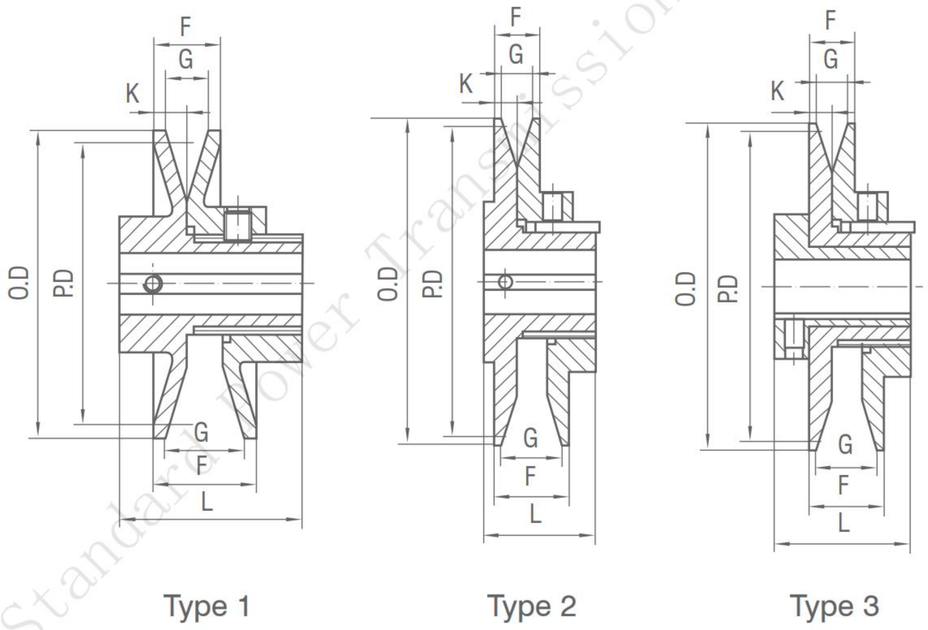
Standard Keyseats

Bore Range	Keyseats
1/2"	None
5/8 to 7/8	3/16" x 3/32"

Adjustable Speed V-pulleys

Cast Iron Sheaves

Finished Bore



Type 1 Type 2 Type 3



Dimensions-Finished Bore

1VP

SPCFCTN	TYPE	O.D	F		G		L	K	Stock Bores Marked"●"								Wt Lbs.
			Max	Min	Max	Min			1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8	
1VP25	1	2.50	13/16	9/16	5/8	3/8	1 1/2	5/8	●									0.8
1VP30	1	2.87	13/16	9/16	5/8	3/8	1 21/32	19/32	●	●	●							0.9
1VP34	1	3.15	1	11/16	13/16	1/2	1 7/8	21/32	●	●	●	●						1.2
1VP40	1	3.75	1 1/16	11/16	7/8	1/2	1 7/8	21/32	●	●	●	●						1.7
1VP44A	1	4.15	1 1/16	11/16	7/8	1/2	1 7/8	21/32	●	●	●							1.9
1VP44B	2	4.15	1 1/8	3/4	7/8	1/2	1 7/8	11/16				●	●	●				2.6
1VP50A	1	4.75	1 1/16	11/16	7/8	1/2	2	25/32	●	●	●							1.9
1VP50B	2	4.75	1 1/8	3/4	7/8	1/2	1 7/8	11/16				●	●	●				2.9
1VP56A	1	5.35	1 1/16	11/16	7/8	1/2	1 7/8	21/32	●	●	●							2.7
1VP56B	2	5.35	1 1/8	3/4	7/8	1/2	1 7/8	11/16				●	●	●				3.4
1VP60	2	6.00	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16			●	●		●		●		5.5
1VP60A	3	6.00	1 1/4	7/8	1 1/32	21/32	2 5/32	15/16									●	5.3
1VP62	2	5.95	1 1/8	3/4	7/8	1/2	1 29/32	21/32		●	●	●	●	●	●	●		5.7
1VP65	2	6.50	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16			●	●		●		●		5.8
1VP65A	3	6.50	1 1/4	7/8	1 1/32	21/32	2 5/32	15/16									●	5.5
1VP68	2	6.55	1 1/8	3/4	7/8	1/2	1 29/32	21/32		●	●	●	●	●	●	●		6.4
1VP71	2	7.10	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16			●	●		●		●		6.8
1VP71A	3	7.10	1 1/4	7/8	1 1/32	21/32	2 5/32	15/16									●	6.5
1VP75	2	7.50	1 1/4	7/8	1 1/32	21/32	1 21/32	7/16			●	●		●		●		7.3
1VP75A	3	7.50	1 1/4	7/8	1 1/32	21/32	2 5/32	15/16									●	7.0

NSPT-Adjustable Speed Pulleys with changeable diameters are made of high quality material of cast iron, with protective paint on surface and individual packaging available. They can be on direct use as the installed bores' processing complies with relevant standards.

Standard Keyseats

Bore Range	Keyseats
1/2	
5/8～7/16	3/16X3/32
15/16～1 1/4	1/4X1/8
1 5/16～1 3/8	5/16X5/32
1 7/16～1 9/16	3/8X3/16

Adjustable Speed V-pulleys

Cast Iron Sheaves

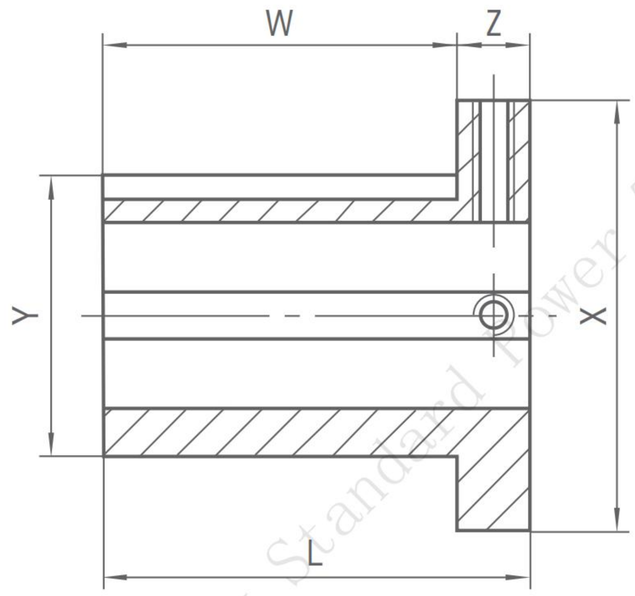
Finished Bore

Single Groove Variable Speed Sheaves for "A", "B", and "5V" Belts

1VP

SPCFCTN	TYPE	DIAMETER RANGE															
		3L BELTS				4L or A BELTS				5L or B BELTS				5V BELTS			
		Min Pilch	Turms Open	Max Pilch	Turms Open	Min Pilch	Turms Open	Max Pilch	Turms Open	Min Pilch	Turms Open	Max Pilch	Turms Open	Min Pilch	Turms Open	Max Pilch	Turms Open
1VP25	1	1.6	4	2.4	0												
1VP30	1	1.8	4	2.7	0												
1VP34	1	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1				
1VP40	1	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1				
1VP44	1	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1				
1VP44	2	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1				
1VP50	1	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1				
1VP50	2	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1				
1VP56	1	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1				
1VP56	2	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1				
1VP60	2					4.2	5	5.2	0	4.3	6	5.5	0				
1VP60A	3					4.2	5	5.2	0	4.3	6	5.5	0				
1VP62	2	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1	5.3	6	6.3	1
1VP65	2					4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0
1VP65A	3					4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0
1VP68	2	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1
1VP71	2					5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0
1VP71A	3		5	6.3	0	5.3	6	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0
1VP75	2					5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0
1VP75A	3					5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0

1VP60A-1VP75A and 2VP60A-2VP75A can be equipped with A2 or A3 adaptors, they can apply to different shaft diameters with changeable inner bore dimensions.

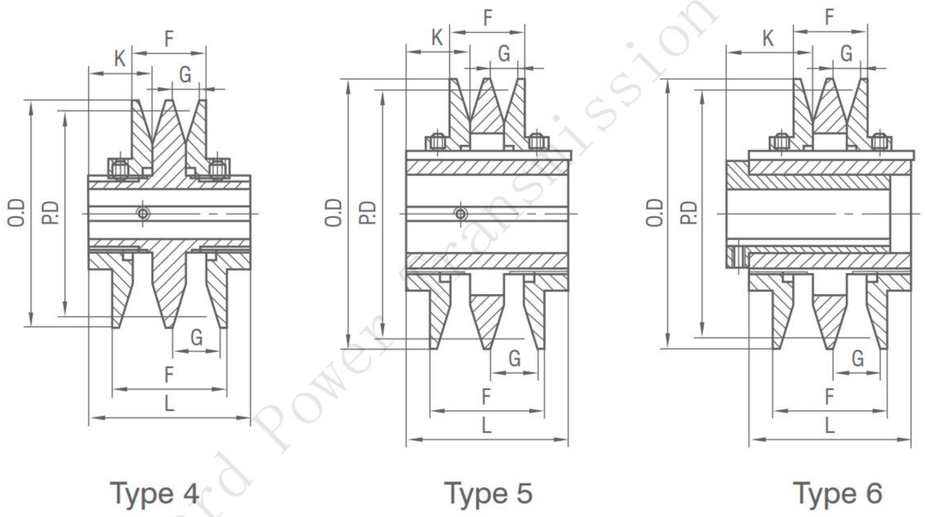


Bushing Dimensions-Finished Bore

Bushings	Bore Rangs	L	W	X	Y	Z	1/2	5/8	3/4	7/8	15/16	1	1 1/16	1 1/8	1 3/16	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	1 9/16
A2	1/2～1 3/16	1 15/16	1 7/16	2 1/2	1 5/8	1/2	●	●	●	●	●	●		●	●						
	1 1/4～1 9/16	1 15/16	1 1/2	2 1/2	1 5/8	7/16										●		●	●	●	
A3	3/4～1 3/16	2 15/16	2 7/16	2 1/2	1 5/8	1/2			●	●	●	●	●	●	●						
	1 1/4～1 9/16	2 15/16	2 1/2	2 1/2	1 5/8	7/16										●	●	●	●	●	●

Adjustable Speed V-pulleys

Finished Bore Cast Iron Sheaves



Type 4 Type 5 Type 6



2VP

Dimensions-Finished Bore

SPCFCTN	TYPE	O.D	F		G		L	K	Stock Bores Marked"●"									Wt Lbs.
			Max	Min	Max	Min			1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8	
2VP36	4	3.35	2	1 3/8	13/16	1/2	3	1 3/16	●	●	●	●	●					3.4
2VP42	4	3.95	2 1/8	1 3/8	7/8	1/2	3	1 3/16		●	●	●	●	●				4.4
2VP50	5	4.75	2 1/8	1 3/8	7/8	1/2	3	1 3/16		●	●	●	●	●				6.3
2VP56	5	5.35	2 1/8	1 3/8	7/8	1/2	3	1 3/16		●	●	●	●	●				7.8
2VP60	5	6.00	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4			●	●		●		●		10.6
2VP60A	6	6.00	2 3/8	1 5/8	1 1/32	21/32	3 3/4	1 3/4									●	10.4
2VP62	5	5.95	2 1/8	1 3/8	7/8	1/2	3	1 3/16			●	●	●	●	●	●		10.0
2VP65	5	6.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4			●	●		●		●		12.3
2VP65A	6	6.50	2 3/8	1 5/8	1 1/32	21/32	3 3/4	1 3/4									●	12.0
2VP68	5	6.55	2 1/8	1 3/8	7/8	1/2	3	1 3/16			●	●	●	●	●	●		11.7
2VP71	5	7.10	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4			●	●		●		●		14.6
2VP71A	6	7.10	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 3/4									●	14.4
2VP75	5	7.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4			●	●		●		●		16.5
2VP75A	6	7.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 3/4									●	16.3

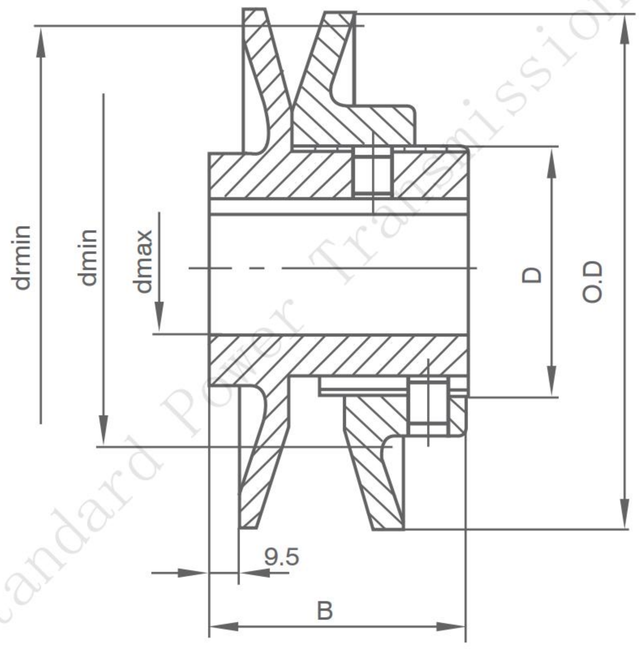
Two Groove Variable Pitch Sheaves for "3L", "4L" "5L", "A", "B", and "5V" Belts

SPCFCTN	TYPE	DIAMETER RANGE															
		3L BELTS				4L OR A BELTS				5L OR B BELTS				5V BELTS			
		Max Pilch	Min Open	Max Pilch	Turms Open	Max Pilch	Min Open	Max Pilch	Turms Open	Max Pilch	Min Open	Max Pilch	Turms Open	Max Pilch	Min Open	Max Pilch	Turms Open
2VP36	4	1.9	4	2.7	0	2.0	5	3.0	0	2.5	5	3.3	1				
2VP42	4	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1				
2VP50	5	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1				
2VP56	5	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1				
2VP60	5					4.2	5	5.2	0	4.3	6	5.5	0				
2VP60A	6					4.2	5	5.2	0	4.3	6	5.5	0				
2VP62	5	4.5	4	5.3	0	4.6	5	5.6	0	4.9	6	5.9	1	5.3	6	6.3	1
2VP65	5					4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0
2VP65A	6					4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0
2VP68	5	5.1	4	5.9	0	5.2	5	6.2	0	5.5	6	6.5	1	5.9	6	6.9	1
2VP71	5					5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0
2VP71A	6					5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0
2VP75	5					5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0
2VP75A	6					5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0

Adjustable Speed V-pulleys

SB-1
NSPT Standard

Cast Iron Sheaves





Single Groove Variable Pitch Sheaves for "3L","4L","5L","A","B", and "5V" Belts

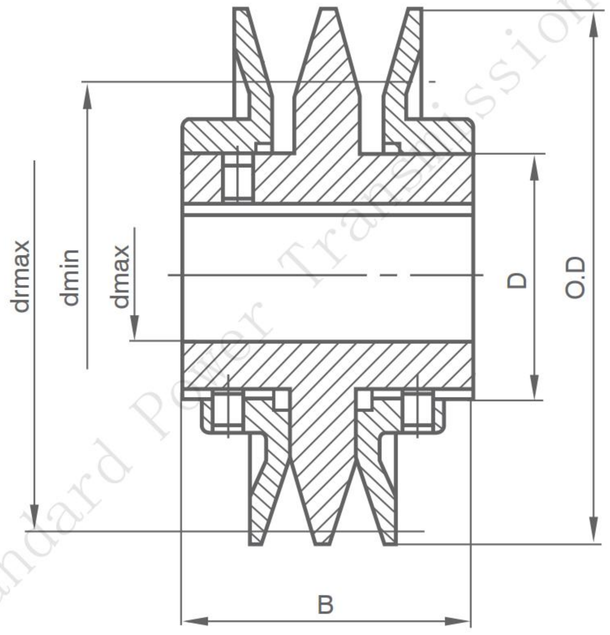
PART NO.	OD	D	Bore max	L	set screws	dr min	dr max		wt Lbs
SB33-1	3.26	1 9/16	7/8	1 7/8	1/4x1/4	2.48 2.25	3.11 3.00	3V 3/8x5/16	1.86
SB37-1	3.66	1 7/8	1	1 7/8	1/4x1/4	2.65 2.60 2.40 2.36	3.50 3.45 3.45 3.35	3V 4L/A 3/8x5/16 1/2x5/16	2.14
SB42-1	4.25	1 15/16	1 1/8	1 7/8	1/4x1/4	3.10 3.20 2.90 2.95	3.70 4.05 3.68 4.00	3V 4L/A 3/8x5/16 1/2x5/16	3.42
SB47-1	4.72	2 1/4	1 1/8	1 7/8	1/4x1/4	3.60 3.70 3.40 3.50	4.20 4.55 4.20 4.50	3V 4L/A 3/8x5/16 1/2x5/16	3.63
SB55-1	5.45	2 1/4	1 1/2	1 7/8	1/4x1/4	4.30 4.40 4.60 4.10 4.15 4.30	4.88 5.20 5.16 4.85 5.10 5.05	3V 4L/A 5V/B 3/8x5/16 1/2x5/16 21/32x13/32	5.40
SB63-1	6.30	3 1/8	2 1/16	2 1/16	5/16x5/16	4.70 4.80 5.00 4.50 4.55 4.70	5.30 5.60 6.00 5.25 5.75 5.90	3V 4L/A 5V/B 3/8x5/16 1/2x5/16 21/32x13/32	9.34
SB71-1	7.10	3 1/8	2 1/16	2 1/16	5/16x5/16	5.55 5.75 5.30 5.50	6.40 6.80 6.35 6.70	4L/A 5V/B 1/2x5/16 21/32x13/32	11.20

NSPT New Standard Power Transmission

Adjustable Speed V-pulleys

SB-2
NSPT Standard

Cast Iron Sheaves





Single Groove Variable Pitch Sheaves for "3L","4L","5L","A","B", and "5V" Belts

PART NO.	OD	D	Bore max	L	set screws	dr min	dr max		wt Lbs
SB33-2	3.26	1 9/16	7/8	3"	1/4x1/4	2.48 2.25	3.11 3.00	3V 3/8x5/16	3.10
SB37-2	3.66	1 7/8	1	3"	1/4x1/4	2.65 2.60 2.40 2.36	3.50 3.45 3.45 3.35	3V 4L/A 3/8x5/16 1/2x5/16	3.63
SB42-2	4.25	1 15/16	1 1/8	3"	1/4x1/4	3.10 3.20 2.90 2.95	3.70 4.05 3.68 4.00	3V 4L/A 3/8x5/16 1/2x5/16	4.46
SB47-2	4.72	2 1/4	1 1/8	3"	1/4x1/4	3.60 3.70 3.40 3.50	4.20 4.55 4.20 4.50	3V 4L/A 3/8x5/16 1/2x5/16	5.60
SB55-2	5.45	2 1/4	1 1/2"	3"	1/4x1/4	4.30 4.40 4.60 4.10 4.15 4.30	4.88 5.20 5.16 4.85 5.10 5.05	3V 4L/A 5V/B 3/8x5/16 1/2x5/16 21/32x13/32	9.34
SB63-2	6.30	3 1/8	2 1/16	3 9/16	5/16x5/16	4.70 4.80 5.00 4.50 4.55 4.70	5.30 5.60 6.00 5.25 5.75 5.90	3V 4L/A 5V/B 3/8x5/16 1/2x5/16 21/32x13/32	15.60
SB71-2	7.10	3 1/8	2 1/16	3 9/16	5/16x5/16	5.55 5.75 5.30 5.50	6.40 6.80 6.35 6.70	4L/A 5V/B 1/2x5/16 21/32x13/32	19.10