

Features

Wood's SVS standard V-belt adjustable speed sheave is a stationary control, multiple groove unit which provides accurate and infinite speed control within the datum diameter range of each sheave. There is no sticking or freezing. No lubrication is required. This sheave is easily installed, simply adjusted and accurately balanced to assure smooth operation and long drive life. It is of simple, highly efficient design and sturdy construction.



Type 1

U.S. Patent 2,753,723-2,907,597

All SVS sheaves are designed to provide easy datum diameter variation through a single adjusting screw. Positive locking collars clamp the adjustable flanges to the sleeve, thereby eliminating relative motion between sheave parts during operation. This prevents the fretting corrosion and freezing that could cause the unit to become non-adjustable.

SVS standard adjustable sheaves provide infinite speed variation within the range of the datum diameter variation. B Sheaves require 10.25 turns of the adjusting screw from max. to min., and C Sheaves require 14 turns. One turn changes the pitch dia. .14 (B) and .16 (C).

Wood's Type 1 for 2, 3 and 4 groove SVS sheaves are designed to operate with standard conventional fixed pitch companion sheaves having the industry standard groove spacing.

B SVS Adjustable Sheaves

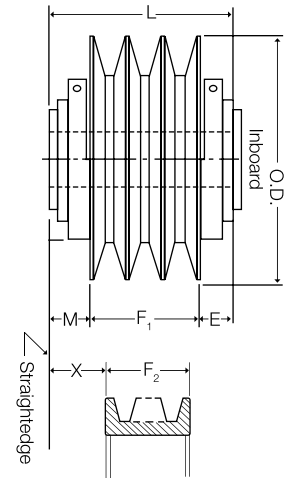
Dimensions

Wood's B-section SVS stationary control adjustable speed sheaves are available in 2, 3 and 4 groove sizes. When the center distance exceeds 12 inches for 2 groove drives and 16 inches for 3 and 4 groove drives, sheaves with standard groove spacing can be used as the companion sheave.

The B-SVS sheaves are also designed to accept A V-belts. The table below lists the P.D. Range for both A and B V-belts.

B SVS SHEAVES 2, 3 & 4 GROOVE

Product No.	Pitch Diameter		O.D.	Stock Bores	Max. Bore	Wt.
	A	B				
SVS49B2	3.62-4.75	3.91-5.31	5.25	7/8, 1-1/8, 1-3/8	1-3/8	14.3
SVS49B3	3.62-4.75	3.91-5.31	5.25	1-1/8, 1-3/8	1-3/8	17.5
SVS49B4	3.62-4.75	3.91-5.31	5.25	1-1/8, 1-3/8	1-3/8	20.0
SVS54B2	4.15-5.25	4.41-5.81	5.75	7/8, 1-1/8, 1-3/8	1-3/8	15.5
SVS54B3	4.15-5.25	4.41-5.81	5.75	1-1/8, 1-3/8	1-3/8	19.0
SVS54B4	4.15-5.25	4.41-5.81	5.75	1-1/8, 1-3/8	1-3/8	22.5
SVS59B2	4.62-5.75	4.91-6.31	6.25	1-1/8, 1-3/8, 1-5/8	1-7/8	18.8
SVS59B3	4.62-5.75	4.91-6.31	6.25	1-1/8, 1-3/8, 1-5/8	1-7/8	23.5
SVS59B4	4.62-5.75	4.91-6.31	6.25	1-3/8, 1-5/8, 1-7/8	1-7/8	27.0
SVS64B2	5.15-6.25	5.41-6.81	6.75	1-1/8, 1-3/8, 1-5/8	1-7/8	20.8
SVS64B3	5.15-6.25	5.41-6.81	6.75	1-3/8, 1-5/8, 1-7/8	1-7/8	24.8
SVS64B4	5.15-6.25	5.41-6.81	6.75	1-5/8, 1-7/8	1-7/8	27.3
SVS69B2	5.65-6.75	5.91-7.31	7.25	1-1/8, 1-3/8, 1-5/8	1-7/8	22.3
SVS69B3	5.65-6.75	5.91-7.31	7.25	1-3/8, 1-5/8, 1-7/8	1-7/8	27.0
SVS69B4	5.65-6.75	5.91-7.31	7.25	1-5/8, 1-7/8	1-7/8	30.5
SVS74B2	6.15-7.25	6.41-7.81	7.75	1-1/8, 1-3/8, 1-5/8	2-3/8	26.3
SVS74B3	6.15-7.25	6.41-7.81	7.75	1-5/8, 1-7/8	2-3/8	32.0
SVS74B4	6.15-7.25	6.41-7.81	7.75	1-5/8, 1-7/8, 2-1/8	2-3/8	37.3
SVS84B2	7.15-8.25	7.41-8.81	8.75	1-3/8, 1-5/8	2-3/8	29.0
SVS84B3	7.15-8.25	7.41-8.81	8.75	1-3/8, 1-5/8, 1-7/8	2-3/8	32.0
SVS84B4	7.15-8.25	7.41-8.81	8.75	1-5/8, 1-7/8, 2-1/8	2-3/8	43.0
SVS94B2	8.15-9.25	8.41-9.81	9.75	1-3/8, 1-5/8	2-3/8	32.5
SVS94B3	8.15-9.25	8.41-9.81	9.75	1-5/8, 1-7/8	2-3/8	42.0
SVS94B4	8.15-9.25	8.41-9.81	9.75	1-5/8, 1-7/8, 2-1/8	2-3/8	50.3



Type 1

Product No. Example: SVS64B3 with 1-3/8" Bore = SVS64B3138 (Product No.)

DIMENSIONS

No. of Grooves	L	F ₁		E		M		F ₂	X	F ₂	X
		Min.	Max.	Min.	Max.	Min.	Max.				
2	4-3/16	1-9/16	2-7/16	7/8	1-5/16	7/8	1-5/16	1-3/4	1-7/32	1-15/16	1-1/8
3	5-5/16	2-1/4	3-9/16	7/8	1-5/16	7/8	1-3/4	2-1/2	1-27/32	2-7/8	1-11/32
4	6-7/16	3	4-11/16	7/8	1-23/32	7/8	1-23/32	3-1/4	1-19/32	3-13/16	1-5/16

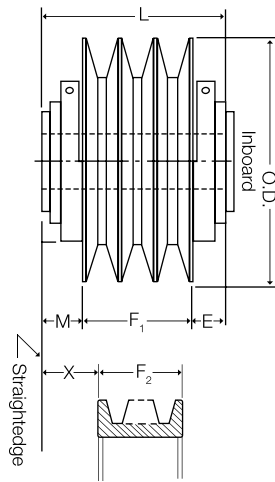
These dimensions would apply if Companion Sheaves having wide groove spacing are used.

C SVS Adjustable Sheaves

Dimensions

Wood's C-section stationary control adjustable speed sheaves are available in 2, 3 & 4 groove sizes. When the center distance exceeds 19 inches for 2 groove drives and 25 inches for 3 and 4 groove drives, sheaves with standard groove spacing can be used as the companion sheave.

C SVS SHEAVES 2, 3 & 4 GROOVE



Type 1

Product No.	Pitch Diameter	O.D.	Stock Bores	Max. Bore	Wt.
SVS92C2	7.50-9.70	9.56	1-5/8, 1-7/8	2-1/2	40.5
SVS92C3	7.50-9.70	9.56	1-5/8, 1-7/8, 2-1/8	2-1/2	54.0
SVS92C4	7.50-9.70	9.56	2-1/8, 2-3/8	2-1/2	63.0
SVS102C2	8.50-10.70	10.56	1-5/8, 1-7/8, 2-1/8	2-1/2	44.3
SVS102C3	8.50-10.70	10.56	1-7/8, 2-1/8, 2-3/8	2-1/2	59.0
SVS102C4	8.50-10.70	10.56	2-1/8, 2-3/8	2-1/2	71.8
SVS107C2	9.00-11.20	11.06	1-5/8, 1-7/8, 2-1/8	2-1/2	49.3
SVS107C3	9.00-11.20	11.06	1-7/8, 2-1/8, 2-3/8	2-1/2	62.8
SVS107C4	9.00-11.20	11.06	2-1/8, 2-3/8	2-1/2	76.0
SVS112C2	9.50-11.70	11.56	1-5/8, 1-7/8, 2-1/8	2-1/2	50.5
SVS112C3	9.50-11.70	11.56	1-7/8, 2-1/8, 2-3/8	2-1/2	68.3
SVS112C4	9.50-11.70	11.56	2-1/8, 2-3/8	2-1/2	82.5
SVS117C2	10.00-12.20	12.06	1-5/8, 1-7/8, 2-1/8	2-1/2	55.0
SVS117C3	10.00-12.20	12.06	1-7/8, 2-1/8, 2-3/8	2-1/2	69.5
SVS117C4	10.00-12.20	12.06	2-1/8, 2-3/8	2-1/2	85.5
SVS127C2	11.00-13.20	13.06	1-5/8, 1-7/8, 2-1/8	2-1/2	59.8
SVS127C3	11.00-13.20	13.06	1-7/8, 2-1/8, 2-3/8	2-1/2	76.0
SVS127C4	11.00-13.20	13.06	2-1/8, 2-3/8	2-1/2	91.0

Product No. Example: SVS92C2 with 1-5/8" Bore = SVS92C2158 (Product No.)

DIMENSIONS

No. of Grooves	L	F ₁		E		M		F ₁	X	F ₂	X
		Min.	Max.	Min.	Max.	Min.	Max.				
2	5-1/4	2-1/16	3-1/4	1	1-19/32	1	1-19/32	2-3/8	1-7/16	2-3/8	1-5/16
3	6-7/8	3	4-3/4	1	1-9/16	1-1/8	2-5/16	3-3/8	2-13/32	3-7/8	1-23/32
4	8-9/16	3-15/16	6-5/16	1-1/8	2-5/16	1-1/8	2-5/16	4-3/8	2-3/32	5-1/8	1-23/32

These dimensions would apply if Companion Sheaves having wide groove spacing are used.