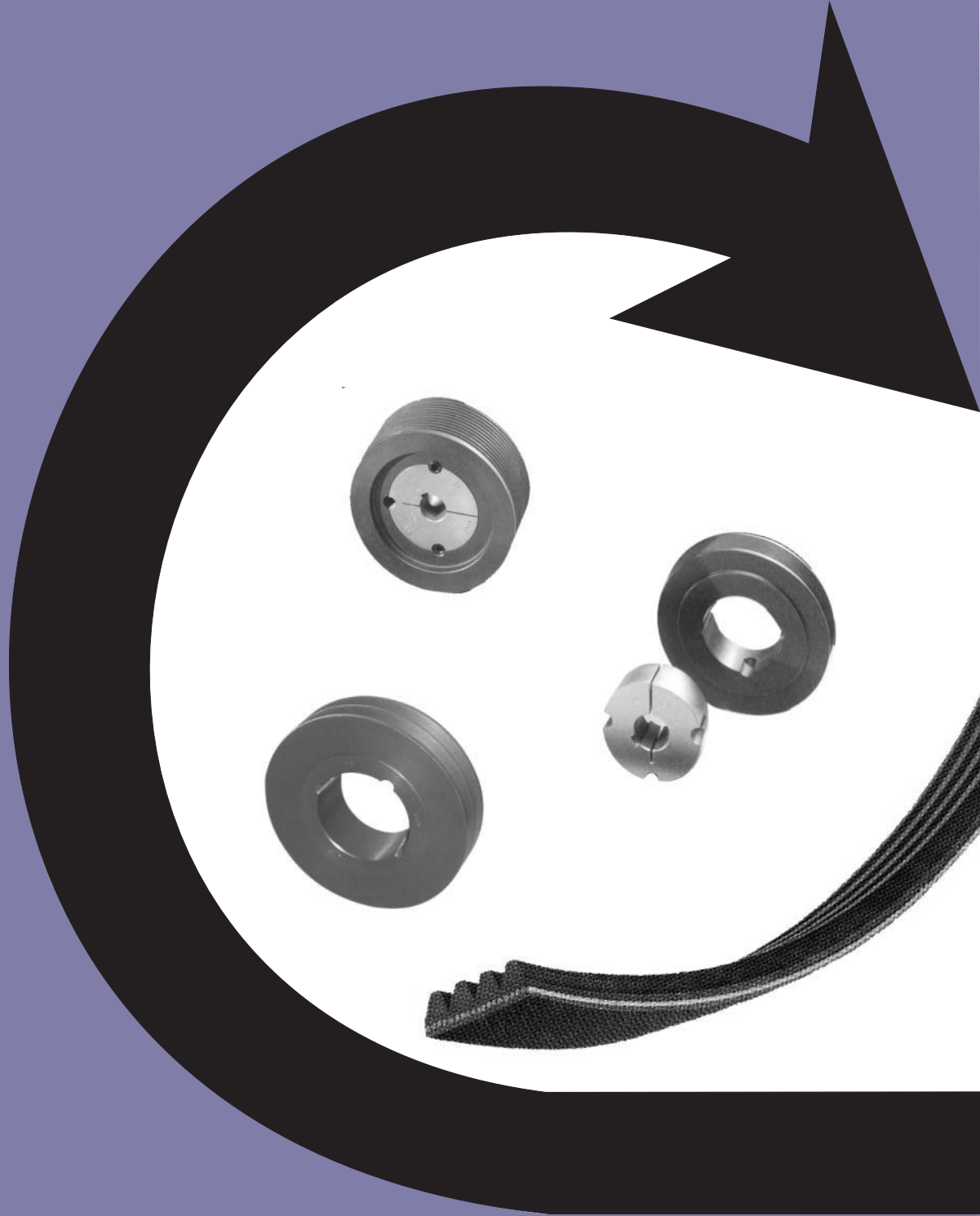


POLY-V PULLEYS, VEE PULLEYS & BELTS



NAISMITH

Power Transmission is all we do

2005



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All dimensions in mm unless otherwise stated

All descriptions and dimensions as published are believed to be correct, but subject to the possibility of printing errors. The right is reserved by us or our suppliers to alter or modify dimensions or designs without notice.

Features of Poly-V Drives

Poly-V Drives are the compact alternative to the standard Vee-Pulley Drives. Naismith Engineering carry all of the Poly-V pulleys and belts in this Catalogue on the shelf and if special diameter pulleys are required they can be made in our factory.

The rubber belts are made from a highly abrasion resistant compound, have a fibre reinforced back for lateral stiffness as well as an elastomer structure in the 'V' section of the belt for optimal adhesion. There is also a high-performance tensile member to provide better power transfer.

Other features of the Poly-V drive systems include being able to transmit up to 600kW with just one belt. Poly-V belts can be up to 98% efficient. High speed ratios can be achieved, up to 20:1 with off the shelf sizes and up to 60:1 with special pulleys. Due to the single belt design, uniform tension is put on the belt across all grooves. Noise levels can also be reduced by changing over to Poly-V drives. Less maintenance is required on Poly-V drives and you do not have the problem of one belt wearing faster than the other because there is only one belt.

All of the pulleys that Naismith Engineering carry are made in Cast Iron, the smaller pulleys have blank or pilot bores while the larger ones are machined to suit a taper lock. Poly-V belts should be run on grooved pulleys for the best transmission of power, however flat pulleys can be used as idlers or even drive pulleys if required. Due to the flexibility of the Poly-V belt, flat drive pulleys can also be placed on the back side of the belt to make quite complicated serpentine drives all driven from the one drive shaft. It should be noted that when using a flat pulley the transmittable torque will be reduced.

Please contact Naismith Engineering with your enquiries.



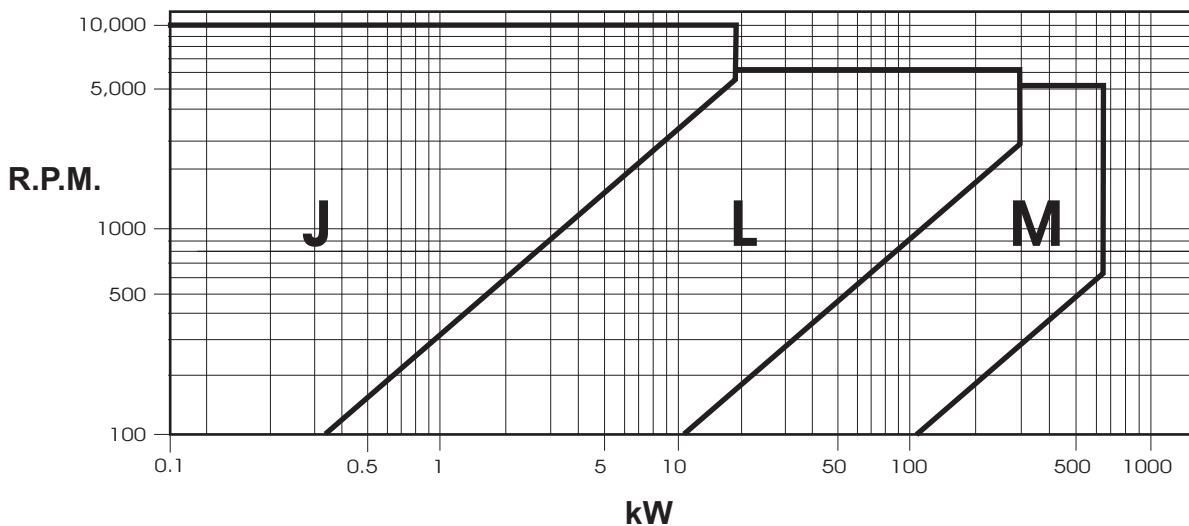
Poly-V Pulleys & Belt Drives



Poly-V is a multi rib belt drive whose special construction allows it to be used with very small pulley diameters, reducing noise and vibrations. It solves many drive problems in a number of applications such as machine tools, wood working machines, fitness machines, compressors, fans etc. SIT pulleys have been designed to guarantee optimal drive performances and life. They are ideal high ratio or high torque drives. With only 1 belt, tensioning is easy and you do not have to worry about matching belts. For further information or help in selecting a drive contact Naismith Engineering.

Characteristics:

- Suitable for transmitting power up to approx. 600 kW
- Wide range of section for every drive requirement: J , L & M
- Suitable for small size pulleys diameter (20 mm), achieving very high peripheral speed (up to 60 m/s)
- The belt can counter flex and work on the backside
- Wide range of pulleys for taper bush available from stock



Identifying a Poly-V Pulley

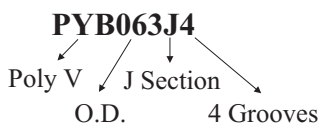
To identify a Poly-V pulley the following information must be known:

Bore: Naismith Engineering carries small diameter pulleys in pilot bore and the larger diameters in taper bore.

Pitch: This is the distance from the centre of one groove to the centre of the next groove. Naismith Engineering stock the pitch sizes of 'J' and 'L'. 'M' section pulleys available on request.

Grooves: Number of Grooves

O.D.: The outside diameter of the pulley



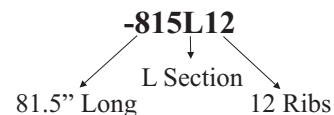
Identifying a Poly-V Belt

To size up a Poly-V belt the following information must be known:

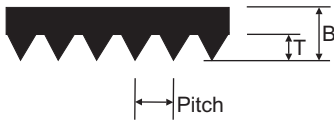
Pitch: This is the distance from the centre of one groove to the centre of the next groove. Naismith Engineering stock the pitch sizes of 'J', 'L' & 'M'.

Grooves: Number of Grooves

Pitch Length: The pitch length of the belt expressed in inches.



'J' & 'L' Section Poly-V Belts



	Pitch	Thickness (B)	Height (T)
'J'	2.34	3.50	1.60
'L'	4.70	7.00	3.80

'J' Section

Stock No.	Pitch Length	Stock No.	Pitch Length
-150J	381.0	-490J	1244.0
-160J	406.0	-500J	1270.0
-170J	432.0	-520J	1321.0
-180J	457.0	-534J	1355.0
-190J	483.0	-550J	1397.0
-200J	508.0	-562J	1428.0
-220J	559.0	-580J	1473.0
-240J	610.0	-610J	1549.0
-260J	660.0	-650J	1651.0
-280J	711.0	-690J	1752.0
-285J	723.0	-730J	1854.0
-300J	762.0	-752J	1910.0
-320J	813.0	-770J	1956.0
-340J	864.0	-785J	1992.0
-360J	914.0	-820J	2083.0
-380J	965.0	-870J	2210.0
-400J	1016.0	-920J	2337.0
-430J	1092.0	-980J	2489.0
-435J	1105.0	Standard widths of:- 4 Ribs 8 Ribs 12 Ribs 16 Ribs Off standard widths are available on request.	
-442J	1123.0		
-445J	1130.0		
-453J	1150.0		
-460J	1168.0		
-473J	1200.0		
-480J	1222.0		

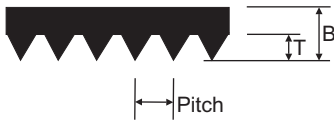
200J8 = 20.0" (508mm Long), 8 Ribs

'L' Section

Stock No.	Pitch Length	Stock No.	Pitch Length
-500L	1270.0	1120L	2845.0
-525L	1333.0	1140L	2895.0
-540L	1371.0	1150L	2921.0
-550L	1397.0	1180L	2997.0
-560L	1422.0	1215L	3086.0
-615L	1562.0	1230L	3124.0
-635L	1613.0	1295L	3289.0
-655L	1664.0	1310L	3327.0
-675L	1715.0	1375L	3492.0
-695L	1764.0	1455L	3696.0
-710L	1803.0	1595L	4051.0
-725L	1841.0	1650L	4191.0
-765L	1943.0	1760L	4470.0
-780L	1981.0	1820L	4622.0
-795L	2020.0	1980L	5029.0
-815L	2070.0	2120L	5385.0
-825L	2096.0	2400L	6096.0
-840L	2134.0	Standard widths of:- 6 Ribs 8 Ribs 10 Ribs 12 Ribs 16 Ribs 20 Ribs Off standard widths are available on request.	
-865L	2197.0		
-880L	2235.0		
-915L	2324.0		
-930L	2362.0		
-975L	2476.0		
-990L	2515.0		
1065L	2705.0		
1080L	2743.0		

840L16 = 84.0" (2134mm Long), 16 Ribs

'M' Section Poly-V Belts



	Pitch	Thickness (B)	Height (T)
'M'	9.40	12.00	7.30

'M' Section

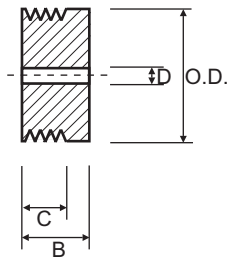
Stock No.	Pitch Length
-900M	2286.0
-940M	2388.0
-990M	2515.0
1060M	2693.0
1115M	2832.0
1150M	2921.0
1185M	3010.0
1230M	3124.0
1310M	3327.0
1390M	3531.0
1470M	3734.0
1610M	4089.0
1650M	4191.0
1760M	4470.0
1830M	4648.0
1980M	5029.0
2130M	5410.0
2410M	6121.0

Stock No.	Pitch Length
2710M	6883.0
3010M	7646.0
3310M	8408.0
3610M	9169.0
3910M	9931.0
4210M	10693.0
4810M	12217.0
5410M	13741.0
6010M	15266.0
Standard widths of:-	
8 Ribs	
12 Ribs	
16 Ribs	
20 Ribs	
24 Ribs	
Off standard widths are available on request.	

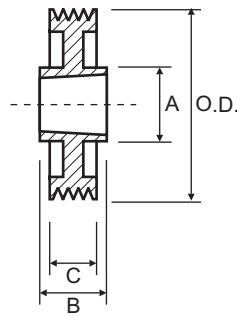
1310M8 = 131.0" (3327mm Long), 8 Ribs

'J' Section Poly-V Pulleys 4 Groove

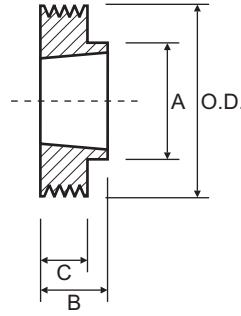
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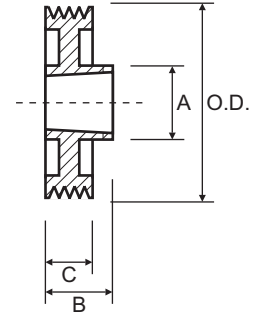
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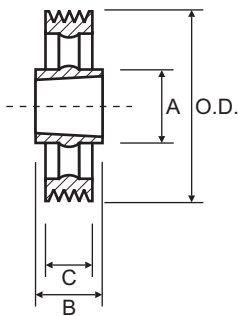
Type 7



Type 8

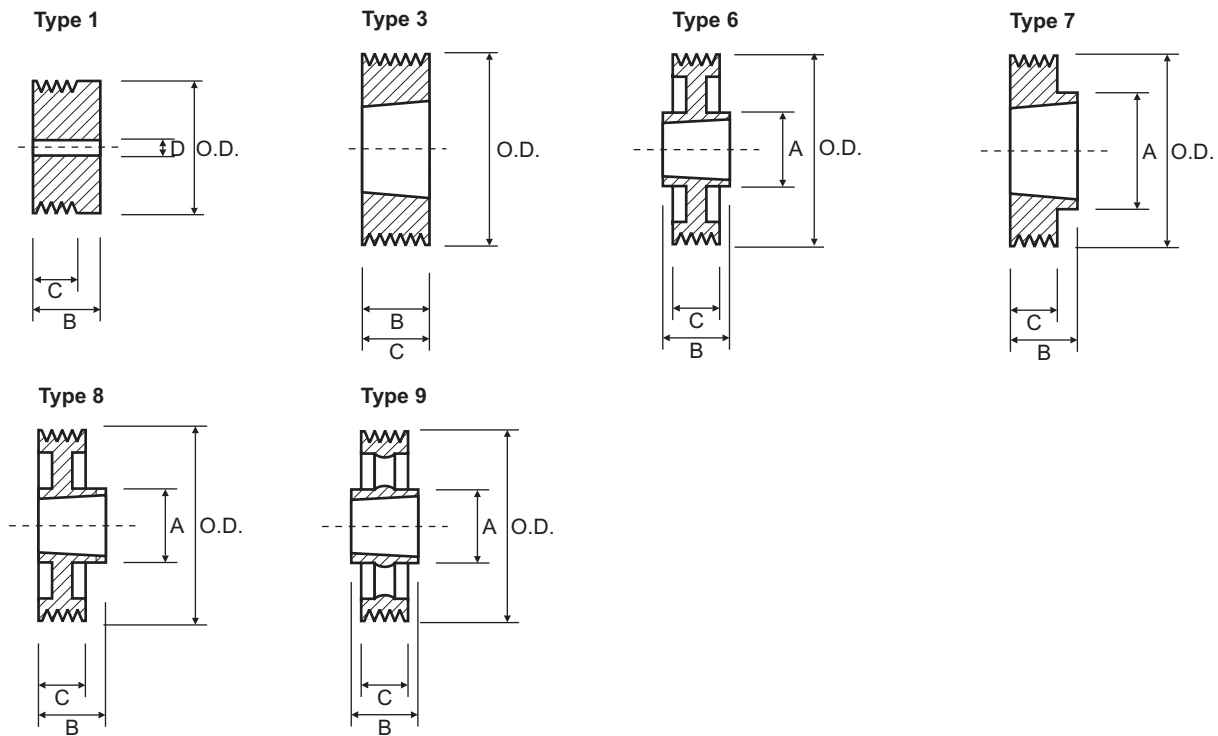


Type 9



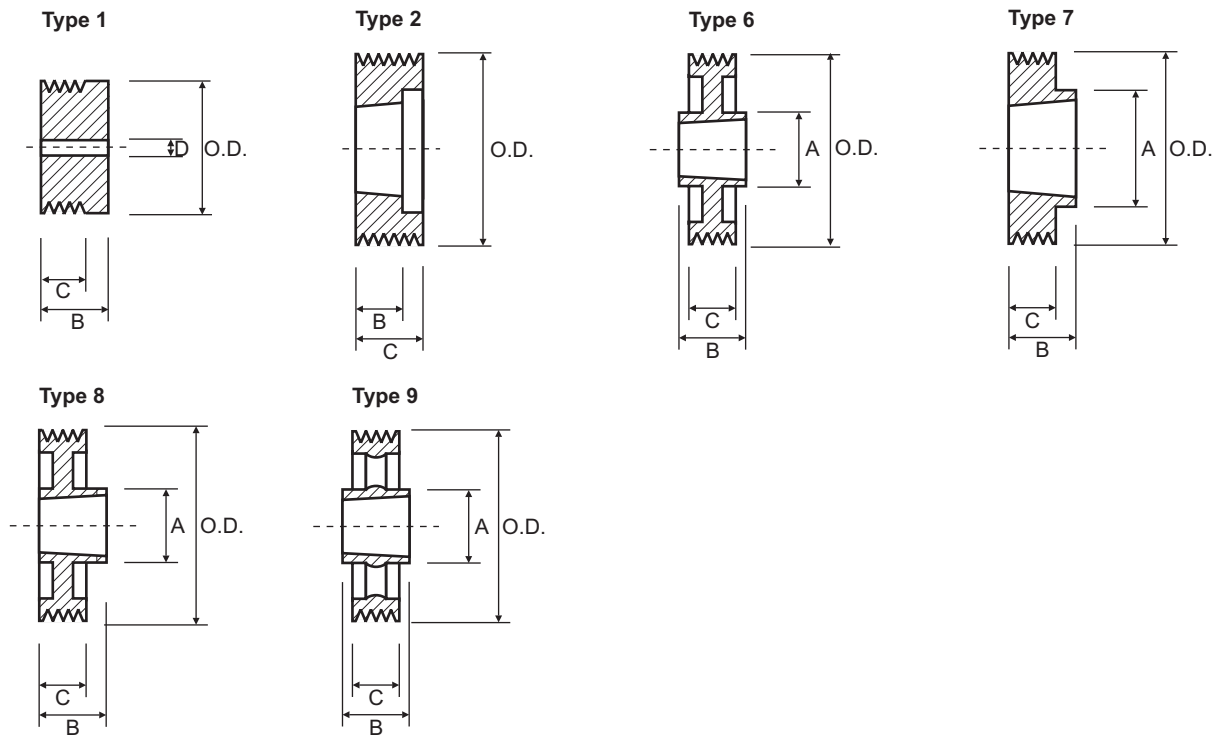
4 Groove							4 Groove						
C = 13.5							C = 13.5						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J4	20.0	1	-	-	22.5	5.0	PYB100J4	100.0	7	1610	82.0	26.0	-
PYB025J4	25.0	1	-	-	22.5	5.0	PYB106J4	106.0	7	1610	88.0	26.0	-
PYB030J4	30.0	1	-	-	22.5	9.5	PYB112J4	112.0	7	1610	90.0	26.0	-
PYB035J4	35.0	1	-	-	22.5	9.5	PYB118J4	118.0	7	1610	90.0	26.0	-
PYB040J4	40.0	1	-	-	22.5	12.0	PYB125J4	125.0	8	1610	90.0	26.0	-
PYB045J4	45.0	1	-	-	22.5	12.0	PYB132J4	132.0	8	1610	90.0	26.0	-
PYB050J4	50.0	1	-	-	22.5	12.0	PYB140J4	140.0	8	1610	90.0	26.0	-
PYB056J4	56.0	7	1108	50.0	23.0	-	PYB160J4	160.0	8	2012	110.0	32.0	-
PYB060J4	60.0	7	1108	50.0	23.0	-	PYB180J4	180.0	6	2012	110.0	32.0	-
PYB063J4	63.0	7	1108	50.0	23.0	-	PYB200J4	200.0	6	2012	110.0	32.0	-
PYB067J4	67.0	7	1108	50.0	23.0	-	PYB224J4	224.0	6	2012	110.0	32.0	-
PYB071J4	71.0	7	1108	60.0	23.0	-	PYB250J4	250.0	9	2012	110.0	32.0	-
PYB075J4	75.0	7	1108	60.0	23.0	-	PYB280J4	280.0	9	2012	110.0	32.0	-
PYB080J4	80.0	7	1310	70.0	26.0	-	PYB315J4	315.0	9	2012	110.0	32.0	-
PYB085J4	85.0	7	1310	70.0	26.0	-	PYB355J4	355.0	9	2517	120.0	45.0	-
PYB090J4	90.0	7	1610	82.0	26.0	-	PYB400J4	400.0	9	2517	120.0	45.0	-
PYB095J4	95.0	7	1610	82.0	26.0	-							

'J' Section Poly-V Pulleys 8 Groove



8 Groove							8 Groove						
C = 23.0							C = 23.0						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J8	20.0	1	-	-	32.0	5.0	PYB100J8	100.0	7	1610	82.0	26.0	-
PYB025J8	25.0	1	-	-	32.0	5.0	PYB106J8	106.0	7	1610	88.0	26.0	-
PYB030J8	30.0	1	-	-	32.0	9.5	PYB112J8	112.0	7	1610	90.0	26.0	-
PYB035J8	35.0	1	-	-	32.0	9.5	PYB118J8	118.0	7	1610	90.0	26.0	-
PYB040J8	40.0	1	-	-	32.0	12.0	PYB125J8	125.0	8	1610	90.0	26.0	-
PYB045J8	45.0	1	-	-	32.0	12.0	PYB132J8	132.0	8	1610	90.0	26.0	-
PYB050J8	50.0	1	-	-	32.0	12.0	PYB140J8	140.0	8	1610	90.0	26.0	-
PYB056J8	56.0	3	1108	-	23.0	-	PYB160J8	160.0	8	2012	110.0	32.0	-
PYB060J8	60.0	3	1108	-	23.0	-	PYB180J8	180.0	6	2012	110.0	32.0	-
PYB063J8	63.0	3	1108	-	23.0	-	PYB200J8	200.0	6	2012	110.0	32.0	-
PYB067J8	67.0	3	1108	-	23.0	-	PYB224J8	224.0	6	2012	110.0	32.0	-
PYB071J8	71.0	3	1108	-	23.0	-	PYB250J8	250.0	9	2012	110.0	32.0	-
PYB075J8	75.0	3	1108	-	23.0	-	PYB280J8	280.0	9	2012	110.0	32.0	-
PYB080J8	80.0	7	1310	70.0	26.0	-	PYB315J8	315.0	9	2012	110.0	32.0	-
PYB085J8	85.0	7	1310	70.0	26.0	-	PYB355J8	355.0	9	2517	120.0	45.0	-
PYB090J8	90.0	7	1610	82.0	26.0	-	PYB400J8	400.0	9	2517	120.0	45.0	-
PYB095J8	95.0	7	1610	82.0	26.0	-							

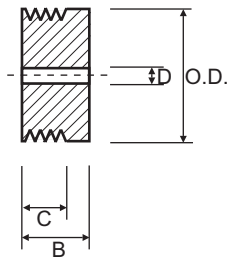
'J' Section Poly-V Pulleys 12 Groove



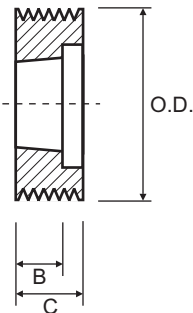
12 Groove							12 Groove						
C = 32.5							C = 32.5						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J12	20.0	1	-	-	41.5	5.0	PYB100J12	100.0	2	1610	-	26.0	-
PYB025J12	25.0	1	-	-	41.5	5.0	PYB106J12	106.0	2	1610	-	26.0	-
PYB030J12	30.0	1	-	-	41.5	9.5	PYB112J12	112.0	2	1610	-	26.0	-
PYB035J12	35.0	1	-	-	41.5	9.5	PYB118J12	118.0	2	2012	-	32.0	-
PYB040J12	40.0	1	-	-	41.5	12.0	PYB125J12	125.0	2	2012	-	32.0	-
PYB045J12	45.0	1	-	-	41.5	12.0	PYB132J12	132.0	2	2012	-	32.0	-
PYB050J12	50.0	1	-	-	41.5	12.0	PYB140J12	140.0	7	2517	120.0	45.0	-
PYB056J12	56.0	1	-	-	41.5	12.0	PYB160J12	140.0	8	2517	120.0	45.0	-
PYB060J12	60.0	2	1108	-	23.0	-	PYB180J12	140.0	6	2517	120.0	45.0	-
PYB063J12	63.0	2	1108	-	23.0	-	PYB200J12	140.0	6	2517	120.0	45.0	-
PYB067J12	67.0	2	1108	-	23.0	-	PYB224J12	140.0	6	2517	120.0	45.0	-
PYB071J12	71.0	2	1108	-	23.0	-	PYB250J12	140.0	6	2517	120.0	45.0	-
PYB075J12	75.0	2	1210	-	26.0	-	PYB280J12	140.0	9	2517	120.0	45.0	-
PYB080J12	80.0	2	1610	-	26.0	-	PYB315J12	140.0	9	2517	120.0	45.0	-
PYB085J12	85.0	2	1610	-	26.0	-	PYB355J12	140.0	9	2517	120.0	45.0	-
PYB090J12	90.0	2	1610	-	26.0	-	PYB400J12	140.0	9	2517	120.0	45.0	-
PYB095J12	95.0	2	1610	-	26.0	-							

'J' Section Poly-V Pulleys 16 Groove

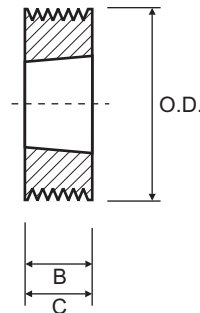
Type 1



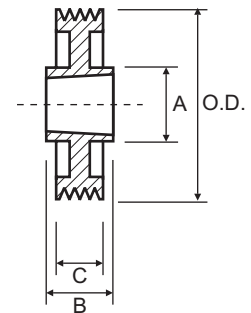
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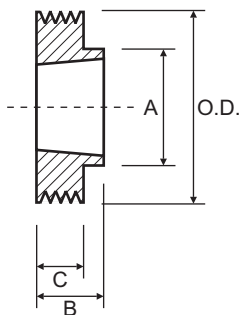
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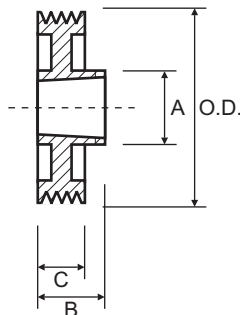
Type 6



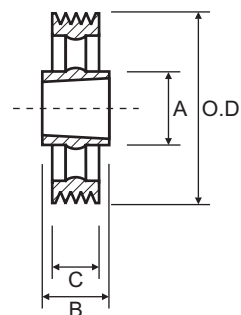
Type 7



Type 8

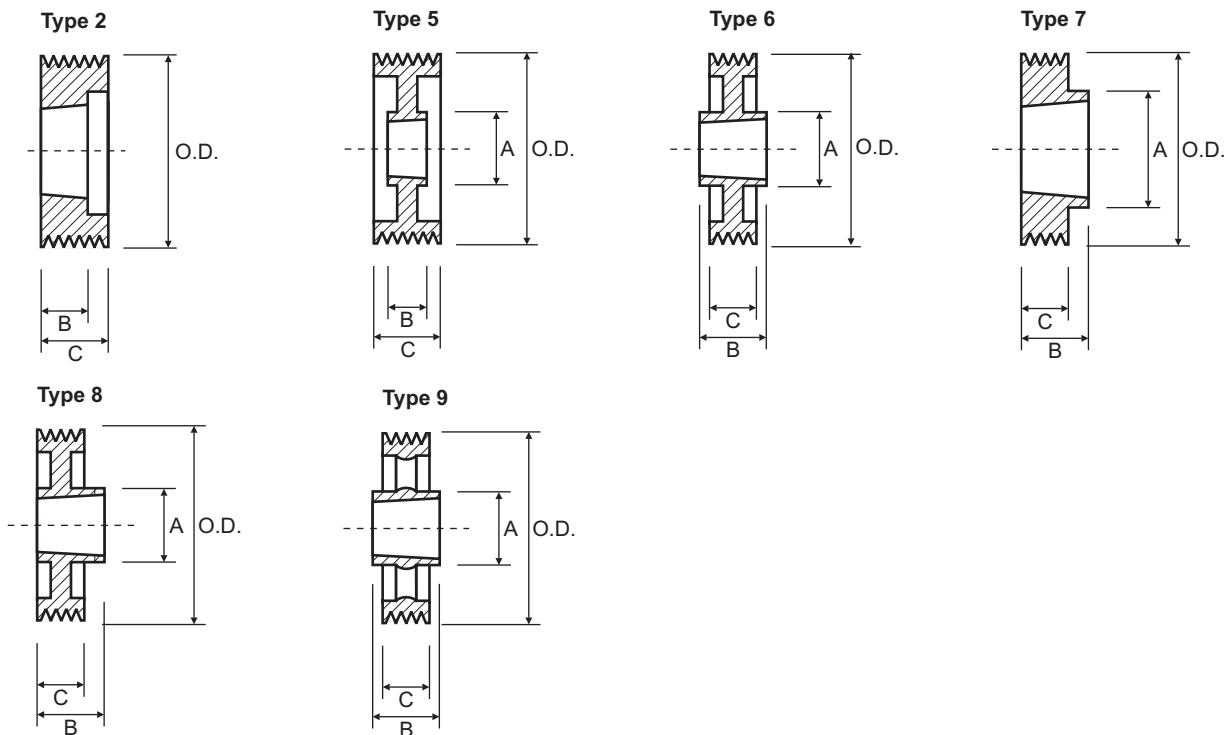


Type 9



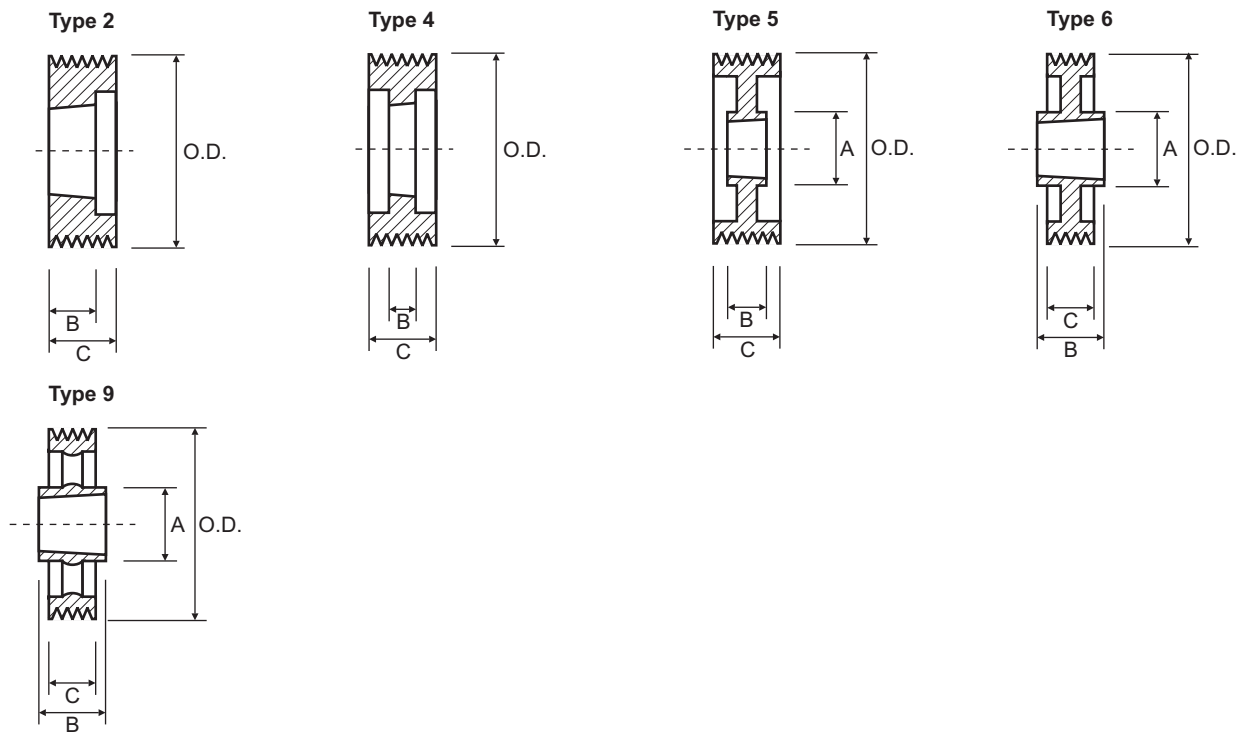
16 Groove							16 Groove						
C = 42.0							C = 42.0						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J16	20.0	1	-	-	51.0	5.0	PYB100J16	100.0	2	1610	-	26.0	-
PYB025J16	25.0	1	-	-	51.0	5.0	PYB106J16	106.0	2	1610	-	26.0	-
PYB030J16	30.0	1	-	-	51.0	9.5	PYB112J16	112.0	2	1610	-	26.0	-
PYB035J16	35.0	1	-	-	51.0	9.5	PYB118J16	118.0	2	2012	-	32.0	-
PYB040J16	40.0	1	-	-	51.0	12.0	PYB125J16	125.0	2	2012	-	32.0	-
PYB045J16	45.0	1	-	-	51.0	12.0	PYB132J16	132.0	2	2012	-	32.0	-
PYB050J16	50.0	1	-	-	51.0	12.0	PYB140J16	140.0	7	2517	120.0	45.0	-
PYB056J16	56.0	1	-	-	51.0	12.0	PYB160J16	160.0	8	2517	120.0	45.0	-
PYB060J16	60.0	1	-	-	51.0	12.0	PYB180J16	180.0	6	2517	120.0	45.0	-
PYB063J16	63.0	1	-	-	51.0	12.0	PYB200J16	200.0	6	2517	120.0	45.0	-
PYB067J16	67.0	1	-	-	51.0	12.0	PYB224J16	224.0	6	2517	120.0	45.0	-
PYB071J16	71.0	3	1215	-	42.0	-	PYB250J16	250.0	6	2517	120.0	45.0	-
PYB075J16	75.0	2	1610	-	26.0	-	PYB280J16	280.0	9	2517	120.0	45.0	-
PYB080J16	80.0	2	1610	-	26.0	-	PYB315J16	315.0	9	2517	120.0	45.0	-
PYB085J16	85.0	2	1610	-	26.0	-	PYB355J16	355.0	9	3020	146.0	52.0	-
PYB090J16	90.0	2	1610	-	26.0	-	PYB400J16	400.0	9	3020	146.0	52.0	-
PYB095J16	95.0	2	1610	-	26.0	-							

'L' Section Poly-V Pulleys 6 & 8 Groove



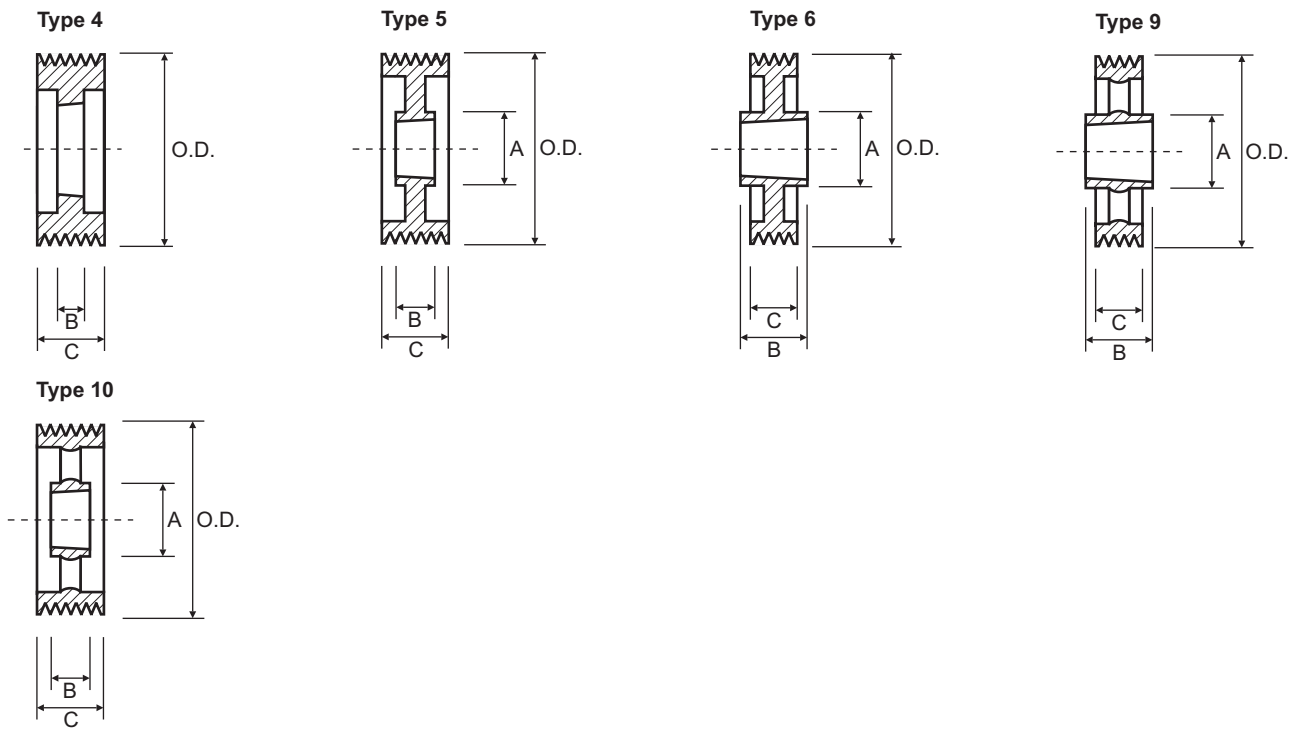
6 Groove						8 Groove					
Part No.	O.D.	Type	Bush	C = 13.5		Part No.	O.D.	Type	Bush	C = 23.0	
				A	B					A	B
PYB075L6	75.0	2	1210	-	26.0	PYB075L8	75.0	2	1210	-	26.0
PYB080L6	80.0	2	1210	-	26.0	PYB080L8	80.0	2	1210	-	26.0
PYB085L6	85.0	2	1210	-	26.0	PYB085L8	85.0	2	1210	-	26.0
PYB090L6	90.0	2	1210	-	26.0	PYB090L8	90.0	2	1210	-	26.0
PYB095L6	95.0	2	1210	-	26.0	PYB095L8	95.0	2	1210	-	26.0
PYB100L6	100.0	2	1610	-	26.0	PYB100L8	100.0	2	1610	-	26.0
PYB106L6	106.0	2	1610	-	26.0	PYB106L8	106.0	2	1610	-	26.0
PYB112L6	112.0	2	1610	-	26.0	PYB112L8	112.0	2	1610	-	26.0
PYB118L6	118.0	2	2012	-	32.0	PYB118L8	118.0	2	2012	-	32.0
PYB125L6	125.0	2	2012	-	32.0	PYB125L8	125.0	2	2012	-	32.0
PYB132L6	132.0	2	2012	-	32.0	PYB132L8	132.0	2	2012	-	32.0
PYB140L6	140.0	7	2517	120.0	45.0	PYB140L8	140.0	2	2517	-	45.0
PYB150L6	150.0	7	2517	120.0	45.0	PYB150L8	150.0	2	2517	-	45.0
PYB160L6	160.0	7	2517	120.0	45.0	PYB160L8	160.0	2	2517	-	45.0
PYB170L6	170.0	8	2517	120.0	45.0	PYB170L8	170.0	2	2517	-	45.0
PYB180L6	180.0	6	2517	120.0	45.0	PYB180L8	180.0	5	2517	120.0	45.0
PYB190L6	190.0	6	2517	120.0	45.0	PYB190L8	190.0	5	2517	120.0	45.0
PYB200L6	200.0	6	2517	120.0	45.0	PYB200L8	200.0	5	2517	120.0	45.0
PYB212L6	212.0	6	2517	120.0	45.0	PYB212L8	212.0	5	2517	120.0	45.0
PYB224L6	224.0	6	2517	120.0	45.0	PYB224L8	224.0	5	2517	120.0	45.0
PYB236L6	236.0	6	2517	120.0	45.0	PYB236L8	236.0	5	2517	120.0	45.0
PYB250L6	250.0	9	2517	120.0	45.0	PYB250L8	250.0	5	2517	120.0	45.0
PYB280L6	280.0	6	2517	120.0	45.0	PYB280L8	280.0	6	3020	146.0	52.0
PYB315L6	315.0	9	2517	120.0	45.0	PYB315L8	315.0	9	3020	146.0	52.0
PYB355L6	355.0	9	3020	146.0	52.0	PYB355L8	355.0	9	3020	146.0	52.0
PYB400L6	400.0	9	3020	146.0	52.0	PYB400L8	400.0	9	3020	146.0	52.0

'L' Section Poly-V Pulleys 10 & 12 Groove



10 Groove						12 Groove					
Part No.	O.D.	Type	Bush	C = 57.0		Part No.	O.D.	Type	Bush	C = 67.0	
				A	B					A	B
PYB075L10	75.0	2	1215	-	42.0	PYB075L12	75.0	2	1215	-	42.0
PYB080L10	80.0	2	1215	-	42.0	PYB080L12	80.0	2	1215	-	42.0
PYB085L10	85.0	2	1215	-	42.0	PYB085L12	85.0	2	1215	-	42.0
PYB090L10	90.0	2	1215	-	42.0	PYB090L12	90.0	2	1215	-	42.0
PYB095L10	95.0	2	1215	-	42.0	PYB095L12	95.0	2	1215	-	42.0
PYB100L10	100.0	2	2012	-	32.0	PYB100L12	100.0	2	2012	-	32.0
PYB106L10	106.0	2	2012	-	32.0	PYB106L12	106.0	2	2012	-	32.0
PYB112L10	112.0	2	2012	-	32.0	PYB112L12	112.0	2	2012	-	32.0
PYB118L10	118.0	4	2517	-	45.0	PYB118L12	118.0	4	2517	-	45.0
PYB125L10	125.0	4	2517	-	45.0	PYB125L12	125.0	4	2517	-	45.0
PYB132L10	132.0	4	2517	-	45.0	PYB132L12	132.0	4	2517	-	45.0
PYB140L10	140.0	4	2517	-	45.0	PYB140L12	140.0	4	2517	-	45.0
PYB150L10	150.0	4	2517	-	45.0	PYB150L12	150.0	4	2517	-	45.0
PYB160L10	160.0	4	2517	-	45.0	PYB160L12	160.0	4	2517	-	45.0
PYB170L10	170.0	4	2517	-	45.0	PYB170L12	170.0	4	2517	-	45.0
PYB180L10	180.0	5	2517	120.0	45.0	PYB180L12	180.0	4	2517	120.0	45.0
PYB190L10	190.0	5	2517	120.0	45.0	PYB190L12	190.0	5	2517	120.0	45.0
PYB200L10	200.0	5	3020	146.0	52.0	PYB200L12	200.0	5	3020	146.0	52.0
PYB212L10	212.0	5	3020	146.0	52.0	PYB212L12	212.0	5	3020	146.0	52.0
PYB224L10	224.0	5	3020	146.0	52.0	PYB224L12	224.0	5	3020	146.0	52.0
PYB236L10	236.0	5	3020	146.0	52.0	PYB236L12	236.0	5	3020	146.0	52.0
PYB250L10	250.0	5	3020	146.0	52.0	PYB250L12	250.0	5	3020	146.0	52.0
PYB280L10	280.0	5	3020	146.0	52.0	PYB280L12	280.0	5	3020	146.0	52.0
PYB315L10	315.0	6	3535	178.0	89.0	PYB315L12	315.0	6	3535	178.0	89.0
PYB355L10	355.0	9	3535	178.0	89.0	PYB355L12	355.0	9	3535	178.0	89.0
PYB400L10	400.0	9	3535	178.0	89.0	PYB400L12	400.0	9	3535	178.0	89.0

'L' Section Poly-V Pulleys 16 & 20 Groove

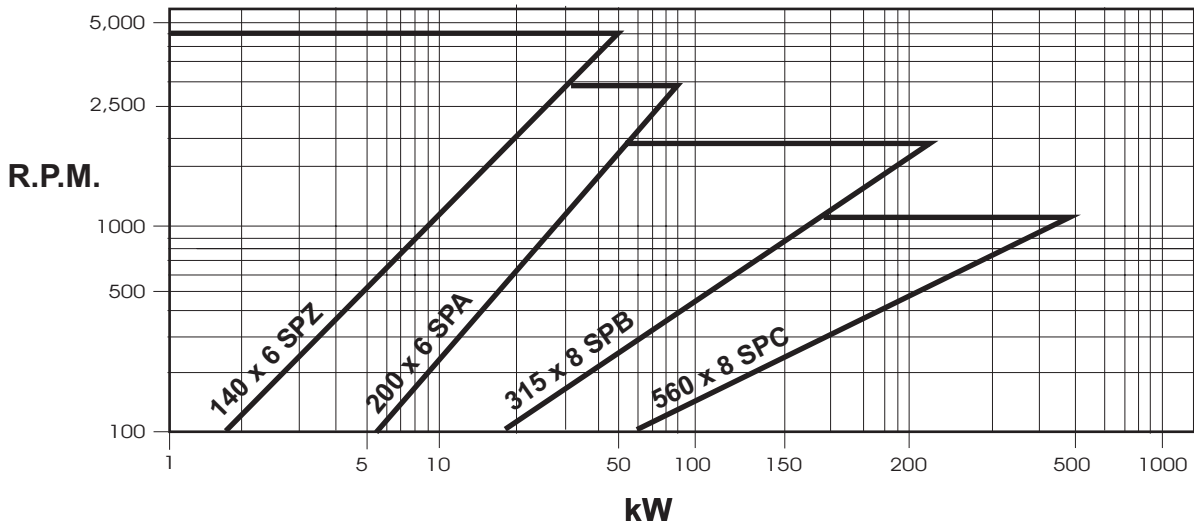


16 Groove						20 Groove					
Part No.	O.D.	Type	Bush	C = 85.0		Part No.	O.D.	Type	Bush	C = 105.0	
				A	B					A	B
PYB085L16	85.0	4	1215	-	42.0	PYB118L20	118.0	4	2517	-	45.0
PYB090L16	90.0	4	1215	-	42.0	PYB125L20	125.0	4	2517	-	45.0
PYB095L16	95.0	4	1215	-	42.0	PYB132L20	132.0	4	2517	-	45.0
PYB100L16	100.0	4	2012	-	32.0	PYB140L20	140.0	4	3020	-	52.0
PYB106L16	106.0	4	2012	-	32.0	PYB150L20	150.0	4	3020	-	52.0
PYB112L16	112.0	4	2012	-	32.0	PYB160L20	160.0	4	3020	-	52.0
PYB118L16	118.0	4	2517	-	45.0	PYB170L20	170.0	4	3020	-	52.0
PYB125L16	125.0	4	2517	-	45.0	PYB180L20	180.0	4	3020	-	52.0
PYB132L16	132.0	4	2517	-	45.0	PYB190L20	190.0	5	3020	146.0	52.0
PYB140L16	140.0	4	2517	-	45.0	PYB200L20	200.0	4	3535	-	89.0
PYB150L16	150.0	4	2517	-	45.0	PYB212L20	212.0	4	3535	-	89.0
PYB160L16	160.0	4	3020	-	52.0	PYB224L20	224.0	5	3535	178.0	89.0
PYB170L16	170.0	4	3020	-	52.0	PYB236L20	236.0	5	3535	178.0	89.0
PYB180L16	180.0	4	3020	-	52.0	PYB250L20	250.0	5	3535	178.0	89.0
PYB190L16	190.0	5	3020	146.0	52.0	PYB280L20	280.0	5	3535	178.0	89.0
PYB200L16	200.0	5	3020	146.0	52.0	PYB315L20	315.0	5	4040	215.0	102.0
PYB212L16	212.0	5	3020	146.0	52.0	PYB355L20	355.0	5	4040	215.0	102.0
PYB224L16	224.0	5	3020	146.0	52.0	PYB400L20	400.0	10	4040	215.0	102.0
PYB236L16	236.0	5	3020	146.0	52.0						
PYB250L16	250.0	5	3020	146.0	52.0						
PYB280L16	280.0	6	3535	178.0	89.0						
PYB315L16	315.0	6	3535	178.0	89.0						
PYB355L16	355.0	9	3535	178.0	89.0						
PYB400L16	400.0	9	3535	178.0	89.0						

Vee Pulleys & Belt Drives



The Standard Vee Belt drives have been around for more than 50 years. It is used in machines through out industry and is one of the most recognised belt drives ever made. The SPA, SPB, SPC & SPZ series are the new and improved version of Vee Belt drives. It is capable of greater power than the standard A, B, C & D section thus giving you a more compact drive. For further information or help in selecting a drive contact Naismith Engineering.



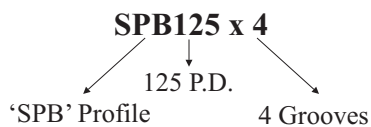
Identifying a Vee Pulley

To identify a Vee Pulley the following information must be known:

Belt Profile: This is worked out by measuring the cross section of the belt and referring to pages 15 to 20. Naismith Engineering stock the pulley profiles of 'SPZ', 'SPB', 'SPC', and 'SPA'.

Grooves: Number of Grooves

P.D.: The pitch diameter of the pulley

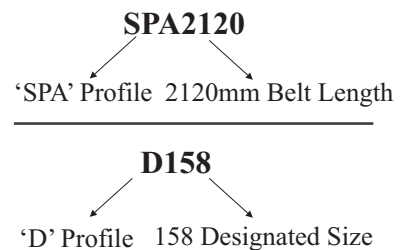


Identifying a Vee Belt

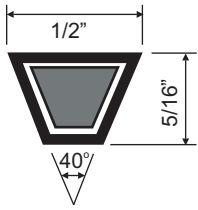
To identify a Vee Belt the following information must be known:

Belt Sizes: This is worked out by measuring the cross section of the belt and referring to pages 15 to 20. Naismith Engineering stock the belt profiles of 'SPZ', 'SPB', 'SPC', 'SPA', 'A', 'B', 'C', 'D' and 'M'.

Pitch Length: The pitch length of the belt expressed in millimetres for 'SPZ', 'SPB', 'SPC' & 'SPA'. However 'A', 'B', 'C', 'D', and 'M' are purely a size designation.



'A' Section Vee Belts

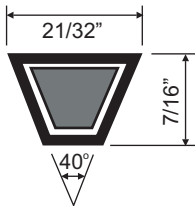


Stock No.	Pitch Length
A-18	490.0
A-19	517.0
A-20	540.0
A-21	570.0
A-22	590.0
A-23	620.0
A-24	640.0
A-25	670.0
A-26	700.0
A-27	720.0
A-28	740.0
A-29	770.0
A-30	790.0
A-31	820.0
A-32	850.0
A-33	870.0
A-34	890.0
A-35	920.0
A-36	950.0
A-37	970.0
A-38	990.0
A-39	1020.0
A-40	1050.0
A-41	1070.0
A-42	1100.0
A-43	1130.0
A-44	1150.0
A-45	1180.0
A-46	1200.0
A-47	1230.0
A-48	1250.0
A-49	1280.0
A-50	1300.0
A-51	1330.0
A-52	1360.0
A-53	1380.0
A-54	1410.0
A-55	1430.0
A-56	1460.0
A-57	1480.0
A-58	1510.0
A-59	1530.0
A-60	1550.0

Stock No.	Pitch Length
A-61	1580.0
A-62	1610.0
A-63	1640.0
A-64	1660.0
A-65	1690.0
A-66	1710.0
A-67	1740.0
A-68	1750.0
A-69	1790.0
A-70	1810.0
A-71	1840.0
A-72	1860.0
A-73	1890.0
A-74	1920.0
A-75	1940.0
A-76	1960.0
A-77	1990.0
A-78	2020.0
A-79	2050.0
A-80	2070.0
A-81	2090.0
A-82	2120.0
A-83	2140.0
A-84	2170.0
A-85	2200.0
A-86	2220.0
A-87	2240.0
A-88	2270.0
A-89	2300.0
A-90	2320.0
A-91	2340.0
A-92	2370.0
A-93	2400.0
A-94	2420.0
A-95	2450.0
A-96	2480.0
A-97	2500.0
A-98	2520.0
A-99	2550.0
A 100	2570.0
A 102	2620.0
A 105	2700.0
A 108	2780.0

Stock No.	Pitch Length
A 110	2830.0
A 112	2880.0
A 115	2950.0
A 116	2980.0
A 120	3080.0
A 124	3190.0
A 127	3210.0
A 128	3290.0
A 132	3390.0
A 134	3435.0
A 136	3480.0
A 140	3590.0
A 144	3690.0
A 150	3840.0
A 154	3940.0
A 158	4040.0
A 173	4430.0
A 175	4480.0
A 197	5040.0

'B' Section Vee Belts

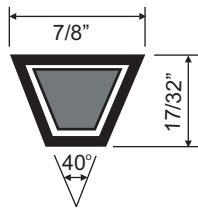


Stock No.	Pitch Length
B-22	595.0
B-22.5	610.0
B-23	625.0
B-24	650.0
B-25	680.0
B-26	700.0
B-27	730.0
B-28	750.0
B-29	770.0
B-30	800.0
B-31	830.0
B-32	850.0
B-33	880.0
B-34	910.0
B-35	930.0
B-36	960.0
B-37	980.0
B-38	1000.0
B-39	1030.0
B-40	1060.0
B-41	1080.0
B-42	1100.0
B-43	1130.0
B-44	1160.0
B-45	1180.0
B-46	1210.0
B-47	1240.0
B-48	1260.0
B-49	1290.0
B-50	1310.0
B-51	1340.0
B-52	1370.0
B-53	1390.0
B-54	1410.0
B-55	1440.0
B-56	1460.0
B-57	1490.0
B-58	1510.0
B-59	1540.0
B-60	1560.0
B-61	1590.0
B-62	1620.0
B-63	1640.0
B-64	1670.0

Stock No.	Pitch Length
B-65	1690.0
B-66	1720.0
B-67	1740.0
B-68	1760.0
B-69	1790.0
B-70	1820.0
B-71	1850.0
B-72	1870.0
B-73	1900.0
B-74	1920.0
B-75	1950.0
B-76	1970.0
B-77	2000.0
B-78	2020.0
B-79	2050.0
B-80	2070.0
B-81	2100.0
B-82	2130.0
B-83	2150.0
B-84	2180.0
B-85	2200.0
B-86	2220.0
B-87	2250.0
B-88	2280.0
B-89	2300.0
B-90	2330.0
B-91	2350.0
B-92	2370.0
B-93	2400.0
B-94	2430.0
B-95	2460.0
B-96	2480.0
B-97	2500.0
B-98	2530.0
B-99	2560.0
B100	2580.0
B101	2610.0
B103	2660.0
B105	2700.0
B106	2730.0
B107	2760.0
B108	2790.0
B110	2840.0
B112	2890.0

Stock No.	Pitch Length
B114	2940.0
B115	2960.0
B116	2990.0
B117	3010.0
B118	3030.0
B120	3090.0
B124	3200.0
B126	3240.0
B128	3290.0
B131	3370.0
B132	3390.0
B136	3500.0
B140	3600.0
B144	3700.0
B146	3750.0
B152	3900.0
B158	4060.0
B162	4160.0
B166	4260.0
B168	4310.0
B173	4430.0
B180	4610.0
B184	4710.0
B187	4790.0
B193	4950.0
B195	5000.0
B204	5220.0
B210	5370.0
B240	6140.0
B270	6900.0
B276	7025.0
B300	7660.0

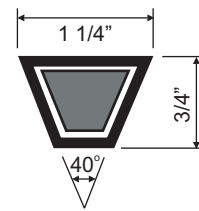
'C' & 'D' Section Vee Belts



"C" Section

Stock No.	Pitch Length
C-40	1070.0
C-42	1120.0
C-43	1150.0
C-44	1180.0
C-45	1200.0
C-46	1230.0
C-48	1280.0
C-51	1350.0
C-52	1380.0
C-54	1430.0
C-55	1450.0
C-56	1480.0
C-57	1500.0
C-59	1560.0
C-60	1580.0
C-61	1600.0
C-63	1650.0
C-65	1700.0
C-68	1780.0
C-70	1830.0
C-71	1860.0
C-72	1880.0
C-74	1930.0
C-75	1950.0
C-76	1980.0
C-78	2040.0
C-80	2080.0
C-81	2110.0
C-83	2160.0
C-84	2190.0
C-85	2200.0
C-87	2260.0
C-88	2290.0
C-90	2340.0
C-92	2390.0
C-93	2420.0
C-95	2470.0
C-96	2490.0
C-97	2520.0
C-99	2570.0
C100	2600.0
C101	2620.0
C105	2720.0
C108	2800.0

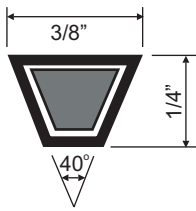
Stock No.	Pitch Length
C110	2850.0
C112	2900.0
C116	3000.0
C120	3100.0
C124	3210.0
C125	3230.0
C128	3310.0
C132	3410.0
C136	3510.0
C140	3610.0
C144	3710.0
C146	3760.0
C152	3910.0
C158	4060.0
C162	4160.0
C168	4320.0
C173	4450.0
C180	4630.0
C195	5010.0
C204	5230.0
C210	5380.0
C216	5530.0
C228	5840.0
C238	6090.0
C240	6150.0
C268	6850.0
C270	6910.0
C300	7680.0
C330	8440.0



"D" Section

Stock No.	Pitch Length
D101	2640.0
D120	3130.0
D128	3330.0
D158	4080.0
D162	4190.0
D173	4470.0
D180	4650.0
D195	5030.0
D210	5400.0
D240	6170.0
D250	6420.0
D270	6940.0
D300	7690.0
D360	9220.0

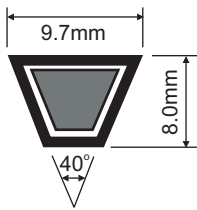
'M' Section Vee Belts



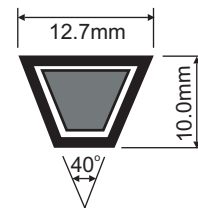
Stock No.	Pitch Length
M-9.5	260.0
M-13.5	370.0
M-15.5	410.0
M-17.5	470.0
M-18	480.0
M-18.5	495.0
M-19	508.0
M-20	530.0
M-20.5	540.0
M-21	560.0
M-21.5	573.0
M-22	590.0
M-22.5	603.0
M-23	610.0
M-23.5	625.0
M-24	635.0
M-25	660.0
M-26	680.0
M-26.5	690.0
M-27	700.0
M-28	730.0
M-29	760.0
M-30	780.0
M-30.5	800.0
M-31	810.0
M-32	840.0
M-33	860.0
M-34	890.0
M-35	920.0
M-36	940.0
M-37	960.0

Stock No.	Pitch Length
M-38	990.0
M-39	1010.0
M-40	1040.0
M-41	1060.0
M-42	1080.0
M-43	1120.0
M-44	1140.0
M-45	1170.0
M-46	1190.0
M-47	1220.0
M-48	1240.0
M-49	1245.0
M-50	1290.0
M-51	1320.0
M-52	1350.0
M-53	1370.0
M-54	1400.0
M-55	1420.0
M-56	1450.0
M-57	1475.0
M-60	1540.0
M-61	1570.0
M-63	1630.0
M-65	1680.0
M-68	1750.0
M-75	1930.0
M-90	2310.0

'SPZ' & 'SPA' Section Vee Belts



"SPZ" Section



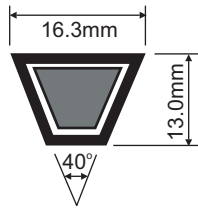
"SPA" Section

Stock No.	Pitch Length
SPZ-630	630.0
SPZ-670	670.0
SPZ-710	710.0
SPZ-760	760.0
SPZ-800	800.0
SPZ-850	850.0
SPZ-875	875.0
SPZ-900	900.0
SPZ-940	940.0
SPZ-950	950.0
SPZ1000	1000.0
SPZ1010	1010.0
SPZ1080	1080.0
SPZ1140	1140.0
SPZ1200	1200.0
SPZ1240	1240.0
SPZ1250	1250.0
SPZ1270	1270.0
SPZ1320	1320.0
SPZ1340	1340.0
SPZ1400	1400.0
SPZ1420	1420.0
SPZ1470	1470.0
SPZ1500	1500.0
SPZ1520	1520.0
SPZ1560	1560.0
SPZ1600	1600.0
SPZ1650	1650.0
SPZ1700	1700.0
SPZ1800	1800.0
SPZ1850	1850.0
SPZ1900	1900.0

Stock No.	Pitch Length
SPZ2000	2000.0
SPZ2030	2030.0
SPZ2120	2120.0
SPZ2160	2160.0
SPZ2280	2280.0
SPZ2410	2410.0
SPZ2540	2540.0
SPZ2690	2690.0
SPZ2800	2800.0
SPZ2840	2840.0
SPZ2990	2990.0
SPZ3150	3150.0
SPZ3170	3170.0
SPZ3350	3350.0
SPZ3550	3550.0

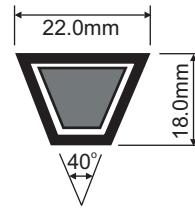
Stock No.	Pitch Length
SPA-800	800.0
SPA-850	850.0
SPA-900	900.0
SPA-950	950.0
SPA1000	1000.0
SPA1060	1060.0
SPA1120	1120.0
SPA1180	1180.0
SPA1250	1250.0
SPA1320	1320.0
SPA1360	1360.0
SPA1400	1400.0
SPA1500	1500.0
SPA1600	1600.0
SPA1700	1700.0
SPA1800	1800.0
SPA1900	1900.0
SPA2000	2000.0
SPA2120	2120.0
SPA2240	2240.0
SPA2360	2360.0
SPA2500	2500.0
SPA2650	2650.0
SPA2800	2800.0
SPA3000	3000.0
SPA3150	3150.0
SPA3350	3350.0
SPA3550	3550.0
SPA3750	3750.0
SPA4000	4000.0
SPA4250	4250.0
SPA4500	4500.0

'SPB' & 'SPC' Section Vee Belts



"SPB" Section

Stock No.	Pitch Length
SPB1260	1260.0
SPB1320	1320.0
SPB1340	1340.0
SPB1410	1410.0
SPB1500	1500.0
SPB1590	1590.0
SPB1600	1600.0
SPB1690	1690.0
SPB1700	1700.0
SPB1800	1800.0
SPB1900	1900.0
SPB2000	2000.0
SPB2020	2020.0
SPB2120	2120.0
SPB2150	2150.0
SPB2240	2240.0
SPB2280	2280.0
SPB2360	2360.0
SPB2410	2410.0
SPB2500	2500.0
SPB2530	2530.0
SPB2650	2650.0
SPB2680	2680.0
SPB2800	2800.0
SPB2840	2840.0
SPB2990	2990.0
SPB3000	3000.0
SPB3150	3150.0
SPB3170	3170.0
SPB3340	3340.0
SPB3350	3350.0
SPB3550	3550.0



"SPC" Section

Stock No.	Pitch Length
SPC2000	2000.0
SPC2120	2120.0
SPC2240	2240.0
SPC2360	2360.0
SPC2500	2500.0
SPC2650	2650.0
SPC2800	2800.0
SPC3000	3000.0
SPC3150	3150.0
SPC3350	3350.0
SPC3550	3550.0
SPC3750	3750.0
SPC4000	4000.0
SPC4250	4250.0
SPC4500	4500.0
SPC4750	4750.0
SPC5000	5000.0
SPC5300	5300.0
SPC5600	5600.0
SPC6000	6000.0
SPC6300	6300.0
SPC6700	6700.0
SPC7100	7100.0

Nu-T-Link & Super T-Link Open End Vee Belting

Stock No.	Top Width	Suit Pulley
Z/10	10.0	SPZ
A/13	13.0	SPA
B/17	17.0	SPB
C/22	22.0	SPC
S/25	25.0	SPS
D/32	32.0	SPD
SPA	SPA	SPA
SPB	SPB	SPB

Nu-T-Link & Super-T-Link is well established throughout the world as the V-belt that successfully overcomes many of the problems previously associated with standard V-belts. By utilising a composite polyurethane and polyester material Nu-T-Link & Super-T-Link ensures an extended operational life over rubber based V-belts. Replacing V-belts can often be a complex and time consuming chore. In many cases the drive assembly often needs to be dismantled to gain open access to both pulleys. However with the unique and patented 'T' link construction, the belt can be joined without dismantling the machine.

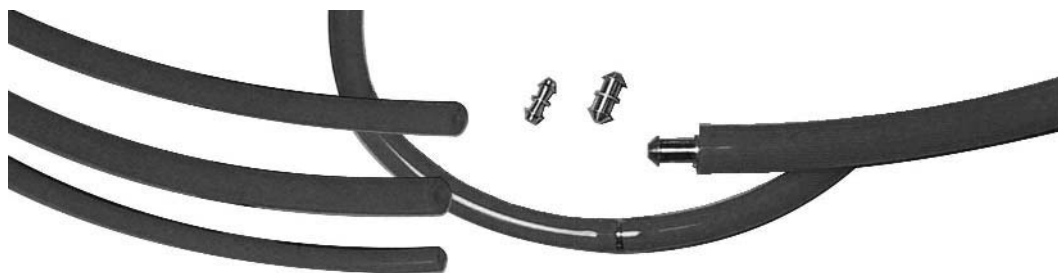


RED-GO Hollow Round Belting

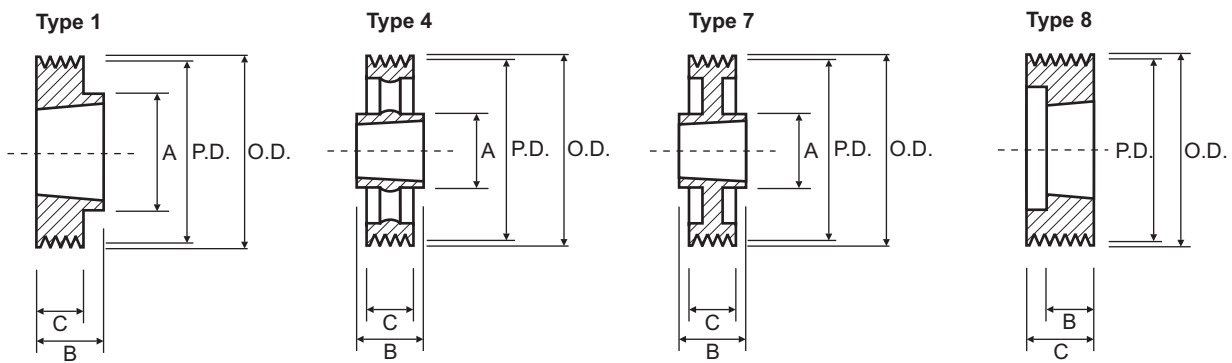
Stock No.	Belt Dia.
REDGO05	5.0
REDGO06	6.0
REDGO08	8.0
REDGO10	10.0
REDGO13	13.0

Red-Go Polyurethane belting is ideal for conveying, live rollers and many other drives. It can be made up to any length and is quickly cut to length and installed on the job requiring no special tools.

Available in 5 different sizes 5mm, 6mm, 8mm, 10mm & 13mm



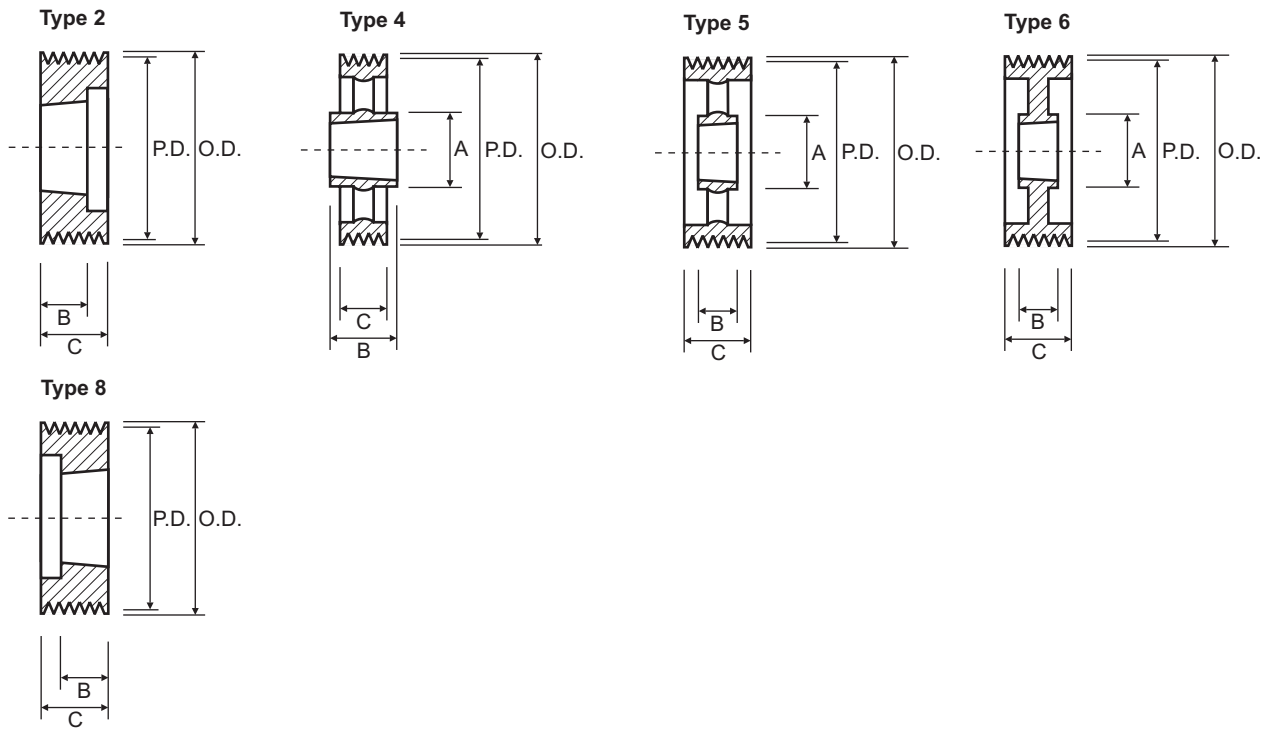
SPZ Taper Bore Vee Pulleys 1 & 2 Groove



1 Groove						2 Groove					
Part No.	O.D.	Type	Bush	C = 16.0		Part No.	O.D.	Type	Bush	C = 28.0	
				A	B					A	B
SPZ-56mm x 1	60.0	1	1008	60.0	37.0	SPZ-56mm x 2	60.0	8	1108	-	22.0
SPZ-60mm x 1	64.0	1	1008	58.0	22.0	SPZ-60mm x 2	64.0	8	1108	-	22.0
SPZ-63mm x 1	67.0	1	1108	56.0	22.0	SPZ-63mm x 2	67.0	8	1108	-	22.0
SPZ-67mm x 1	71.0	1	1108	60.0	22.0	SPZ-67mm x 2	71.0	8	1108	-	22.0
SPZ-71mm x 1	75.0	1	1108	60.0	22.0	SPZ-71mm x 2	75.0	8	1108	-	22.0
SPZ-75mm x 1	79.0	1	1108	60.0	22.0	SPZ-75mm x 2	79.0	8	1210	-	25.0
SPZ-80mm x 1	84.0	1	1210	75.0	25.0	SPZ-80mm x 2	84.0	8	1210	-	25.0
SPZ-85mm x 1	89.0	1	1210	80.0	25.0	SPZ-85mm x 2	89.0	8	1610	-	25.0
SPZ-90mm x 1	94.0	1	1210	80.0	25.0	SPZ-90mm x 2	94.0	8	1610	-	25.0
SPZ-95mm x 1	99.0	1	1210	85.0	25.0	SPZ-95mm x 2	99.0	8	1610	-	25.0
SPZ100mm x 1	104.0	1	1210	85.0	25.0	SPZ100mm x 2	104.0	8	1610	-	25.0
SPZ106mm x 1	110.0	1	1610	92.0	25.0	SPZ106mm x 2	110.0	8	1610	-	25.0
SPZ112mm x 1	116.0	1	1610	92.0	25.0	SPZ112mm x 2	116.0	8	1610	-	25.0
SPZ118mm x 1	122.0	1	1610	92.0	25.0	SPZ118mm x 2	122.0	8	1610	-	25.0
SPZ125mm x 1	129.0	1	1610	92.0	25.0	SPZ125mm x 2	129.0	8	1610	-	25.0
SPZ132mm x 1	136.0	1	1610	92.0	25.0	SPZ132mm x 2	136.0	8	1610	-	25.0
SPZ140mm x 1	144.0	1	1610	92.0	25.0	SPZ140mm x 2	144.0	8	1610	-	25.0
SPZ150mm x 1	154.0	1	1610	92.0	25.0	SPZ150mm x 2	154.0	1	2012	112.0	32.0
SPZ160mm x 1	164.0	1	1610	92.0	25.0	SPZ160mm x 2	164.0	1	2012	112.0	32.0
SPZ180mm x 1	184.0	1	1610	92.0	25.0	SPZ180mm x 2	184.0	1	2012	112.0	32.0
SPZ200mm x 1	204.0	7	2012	112.0	32.0	SPZ200mm x 2	204.0	7	2012	112.0	32.0
SPZ224mm x 1	228.0	7	2012	112.0	32.0	SPZ224mm x 2	228.0	7	2012	112.0	32.0
SPZ250mm x 1	254.0	4	2012	112.0	32.0	SPZ250mm x 2	254.0	4	2012	112.0	32.0
SPZ280mm x 1	284.0	4	2012	112.0	32.0	SPZ280mm x 2	284.0	4	2012	112.0	32.0
SPZ315mm x 1	319.0	4	2012	112.0	32.0	SPZ315mm x 2	319.0	4	2012	112.0	32.0
SPZ355mm x 1	359.0	4	2012	112.0	32.0	SPZ355mm x 2	359.0	4	2012	112.0	32.0

P.D. = O.D. - 4mm

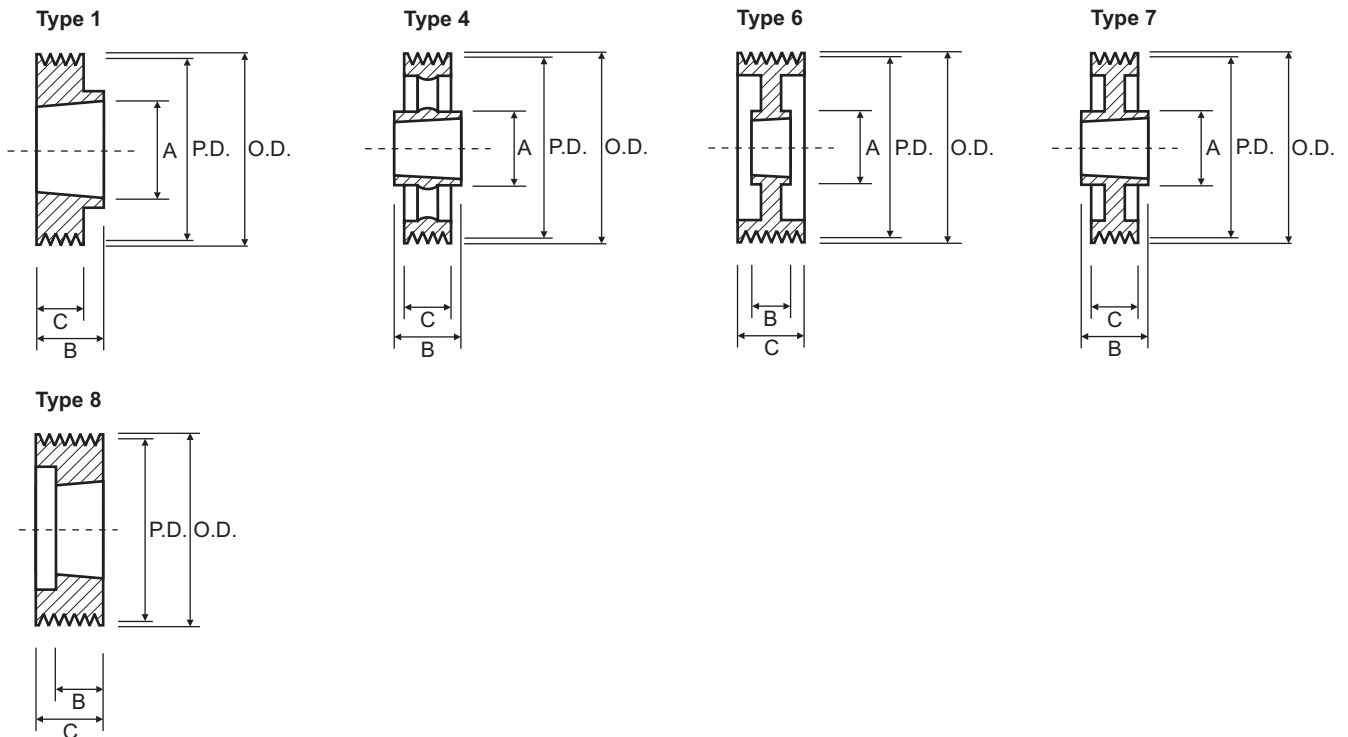
SPZ Taper Bore Vee Pulleys 3 & 4 Groove



3 Groove						4 Groove					
Part No.	O.D.	Type	Bush	C = 40.0		Part No.	O.D.	Type	Bush	C = 52.0	
				A	B					A	B
SPZ-63mm x 3	67.0	8	1108	-	22.0	SPZ-80mm x 4	84.0	8	1210	-	25.0
SPZ-67mm x 3	71.0	8	1108	-	22.0	SPZ-85mm x 4	89.0	8	1610	-	25.0
SPZ-71mm x 3	75.0	8	1108	-	22.0	SPZ-90mm x 4	94.0	8	1610	-	25.0
SPZ-75mm x 3	79.0	8	1210	-	25.0	SPZ-95mm x 4	99.0	8	1610	-	25.0
SPZ-80mm x 3	84.0	8	1210	-	25.0	SPZ100mm x 4	104.0	8	1610	-	25.0
SPZ-85mm x 3	89.0	8	1610	-	25.0	SPZ106mm x 4	110.0	8	1610	-	25.0
SPZ-90mm x 3	94.0	8	1610	-	25.0	SPZ112mm x 4	116.0	8	2012	-	32.0
SPZ-95mm x 3	99.0	8	1610	-	25.0	SPZ118mm x 4	122.0	8	2012	-	32.0
SPZ100mm x 3	104.0	8	1610	-	25.0	SPZ125mm x 4	129.0	2	2012	-	32.0
SPZ106mm x 3	110.0	8	1610	-	25.0	SPZ132mm x 4	136.0	2	2012	-	32.0
SPZ112mm x 3	116.0	8	1610	-	32.0	SPZ140mm x 4	144.0	2	2012	-	32.0
SPZ118mm x 3	122.0	8	2012	-	32.0	SPZ150mm x 4	154.0	2	2517	-	45.0
SPZ125mm x 3	129.0	2	2012	-	32.0	SPZ160mm x 4	164.0	2	2517	-	45.0
SPZ132mm x 3	136.0	2	2012	-	32.0	SPZ180mm x 4	184.0	2	2517	-	45.0
SPZ140mm x 3	144.0	2	2012	-	32.0	SPZ200mm x 4	204.0	6	2517	124.0	45.0
SPZ150mm x 3	154.0	2	2012	-	32.0	SPZ224mm x 4	228.0	6	2517	124.0	45.0
SPZ160mm x 3	164.0	2	2012	-	32.0	SPZ250mm x 4	254.0	5	2517	124.0	45.0
SPZ180mm x 3	184.0	2	2012	-	32.0	SPZ280mm x 4	284.0	5	2517	124.0	45.0
SPZ200mm x 3	204.0	6	2012	112.0	32.0	SPZ315mm x 4	319.0	5	2517	124.0	45.0
SPZ224mm x 3	228.0	6	2012	112.0	32.0	SPZ355mm x 4	359.0	5	2517	124.0	45.0
SPZ250mm x 3	254.0	5	2012	112.0	32.0						
SPZ280mm x 3	284.0	4	2012	124.0	45.0						
SPZ315mm x 3	319.0	4	2012	124.0	45.0						
SPZ355mm x 3	359.0	4	2517	124.0	45.0						

P.D. = O.D. - 4mm

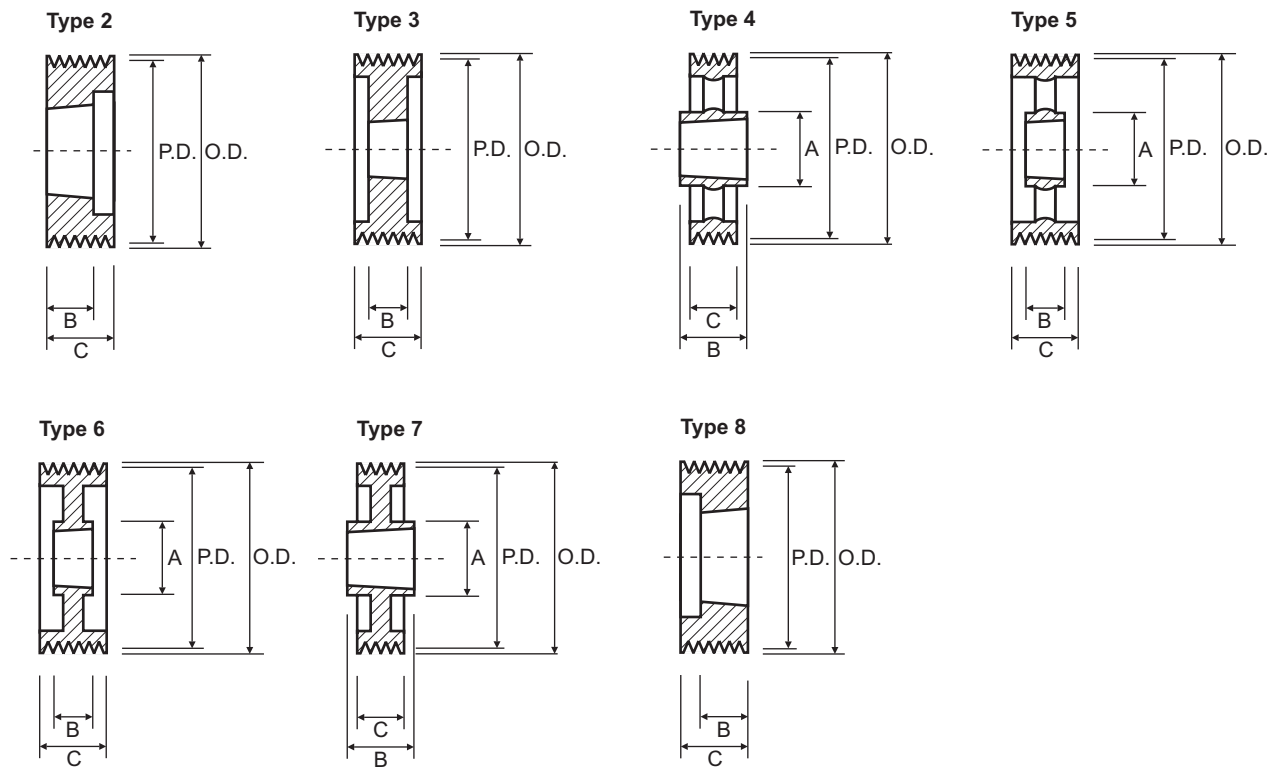
SPA Taper Bore Vee Pulleys 1 & 2 Groove



1 Groove						2 Groove					
Part No.	O.D.	Type	Bush	C = 20.0		Part No.	O.D.	Type	Bush	C = 35.0	
				A	B					A	B
SPA-80mm x 1	85.5	1	1210	75.0	25.0	SPA-80mm x 2	85.5	8	1210	-	25.0
SPA-85mm x 1	90.5	1	1210	80.0	25.0	SPA-85mm x 2	90.5	8	1210	-	25.0
SPA-90mm x 1	95.5	1	1210	80.0	25.0	SPA-90mm x 2	95.5	8	1610	-	25.0
SPA-95mm x 1	100.5	1	1210	85.0	25.0	SPA-95mm x 2	100.5	8	1610	-	25.0
SPA 100mm x 1	105.5	1	1610	85.0	25.0	SPA 100mm x 2	105.5	8	1610	-	25.0
SPA 106mm x 1	111.5	1	1610	92.0	25.0	SPA 106mm x 2	111.5	8	1610	-	25.0
SPA 112mm x 1	117.5	1	1610	92.0	25.0	SPA 112mm x 2	117.5	8	1610	-	25.0
SPA 118mm x 1	123.5	1	1610	92.0	25.0	SPA 118mm x 2	123.5	8	1610	-	25.0
SPA 125mm x 1	130.5	1	1610	92.0	25.0	SPA 125mm x 2	130.5	8	1610	-	25.0
SPA 132mm x 1	137.5	1	1610	92.0	25.0	SPA 132mm x 2	137.5	8	2012	-	32.0
SPA 140mm x 1	145.5	1	1610	92.0	25.0	SPA 140mm x 2	145.5	8	2012	-	32.0
SPA 150mm x 1	155.5	1	1610	92.0	25.0	SPA 150mm x 2	155.5	8	2012	-	32.0
SPA 160mm x 1	165.5	1	1610	92.0	25.0	SPA 160mm x 2	165.5	6	2012	108.0	32.0
SPA 170mm x 1	175.5	1	1610	92.0	25.0	SPA 170mm x 2	175.5	6	2012	108.0	32.0
SPA 180mm x 1	185.5	1	1610	92.0	25.0	SPA 180mm x 2	185.5	6	2012	108.0	32.0
SPA 190mm x 1	195.5	1	1610	92.0	25.0	SPA 190mm x 2	195.5	6	2012	108.0	32.0
SPA 200mm x 1	205.5	7	2012	108.0	32.0	SPA 200mm x 2	205.5	7	2517	124.0	45.0
SPA 224mm x 1	229.5	7	2012	112.0	32.0	SPA 224mm x 2	229.5	7	2517	124.0	45.0
SPA 236mm x 1	241.5	7	2012	112.0	32.0	SPA 236mm x 2	241.5	7	2517	124.0	45.0
SPA 250mm x 1	255.5	7	2012	112.0	32.0	SPA 250mm x 2	255.5	7	2517	124.0	45.0
SPA 280mm x 1	285.5	7	2012	112.0	32.0	SPA 280mm x 2	285.5	7	2517	124.0	45.0
SPA 315mm x 1	320.5	4	2012	112.0	32.0	SPA 315mm x 2	320.5	4	2517	124.0	45.0
SPA 355mm x 1	360.5	4	2012	112.0	32.0	SPA 355mm x 2	360.5	4	2517	124.0	45.0
SPA 400mm x 1	405.5	4	2012	112.0	32.0	SPA 400mm x 2	405.5	4	2517	124.0	45.0
SPA 500mm x 1	505.5	4	2517	124.0	45.0	SPA 500mm x 2	505.5	4	2517	124.0	45.0

P.D. = O.D. - 5.5mm

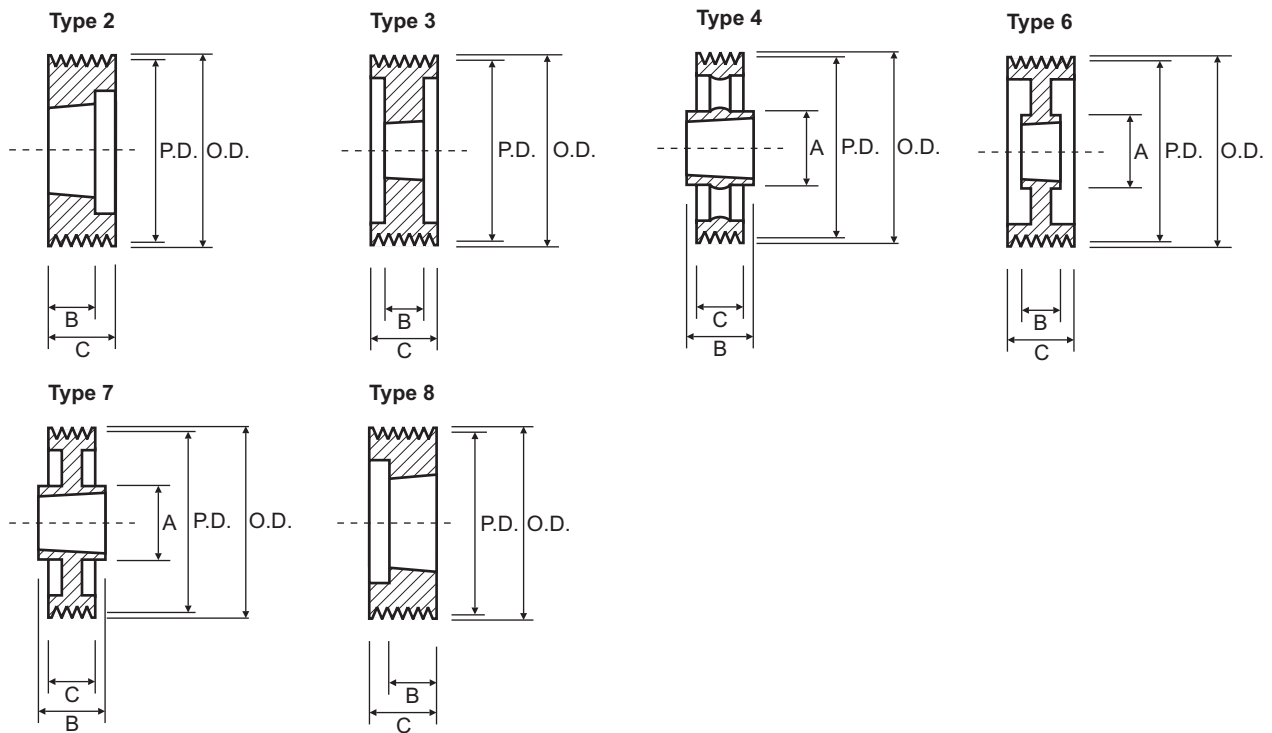
SPA Taper Bore Vee Pulleys 3 & 4 Groove



3 Groove						4 Groove					
Part No.	O.D.	Type	Bush	C = 50.0		Part No.	O.D.	Type	Bush	C = 65.0	
				A	B					A	B
SPA-80mm x 3	85.5	8	1210	-	25.0	SPA-90mm x 4	95.5	3	1615	-	38.0
SPA-85mm x 3	90.5	8	1210	-	25.0	SPA-95mm x 4	100.5	3	1615	-	38.0
SPA-90mm x 3	95.5	8	1610	-	25.0	SPA100mm x 4	105.5	2	1615	-	38.0
SPA-95mm x 3	100.5	8	1610	-	25.0	SPA106mm x 4	111.5	8	2012	-	32.0
SPA100mm x 3	105.5	2	1610	-	25.0	SPA112mm x 4	117.5	8	2012	-	32.0
SPA106mm x 3	111.5	2	1610	-	25.0	SPA118mm x 4	123.5	2	2012	-	32.0
SPA112mm x 3	117.5	8	2012	-	32.0	SPA125mm x 4	130.5	2	2012	-	32.0
SPA118mm x 3	123.5	2	2012	-	32.0	SPA132mm x 4	137.5	2	2517	-	45.0
SPA125mm x 3	130.5	2	2012	-	32.0	SPA140mm x 4	145.5	2	2517	-	45.0
SPA132mm x 3	137.5	2	2012	-	32.0	SPA150mm x 4	155.5	2	2517	-	45.0
SPA140mm x 3	145.5	8	2517	-	45.0	SPA160mm x 4	165.5	2	2517	-	45.0
SPA150mm x 3	155.5	8	2517	-	45.0	SPA170mm x 4	175.5	2	2517	-	45.0
SPA160mm x 3	165.5	8	2517	-	45.0	SPA180mm x 4	185.5	2	2517	-	45.0
SPA170mm x 3	175.5	8	2517	-	45.0	SPA190mm x 4	195.5	2	2517	-	45.0
SPA180mm x 3	185.5	8	2517	-	45.0	SPA200mm x 4	205.5	2	3020	-	51.0
SPA190mm x 3	195.5	8	2517	-	45.0	SPA224mm x 4	229.5	2	3020	-	51.0
SPA200mm x 3	205.5	6	2517	123.0	45.0	SPA236mm x 4	241.5	6	3020	147.0	51.0
SPA224mm x 3	229.5	6	2517	124.0	45.0	SPA250mm x 4	255.5	6	3020	159.0	51.0
SPA236mm x 3	241.5	6	2517	120.0	45.0	SPA280mm x 4	285.5	6	3020	159.0	51.0
SPA250mm x 3	255.5	6	2517	124.0	45.0	SPA315mm x 4	320.5	6	3020	159.0	51.0
SPA280mm x 3	285.5	6	2517	124.0	45.0	SPA355mm x 4	360.5	5	3020	159.0	51.0
SPA315mm x 3	320.5	7	3020	159.0	51.0	SPA400mm x 4	405.5	5	3020	159.0	51.0
SPA355mm x 3	360.5	4	3020	159.0	51.0	SPA500mm x 4	505.5	5	3020	159.0	51.0
SPA400mm x 3	405.5	4	3020	159.0	51.0						
SPA500mm x 3	505.5	4	3020	159.0	51.0						

P.D. = O.D. - 5.5mm

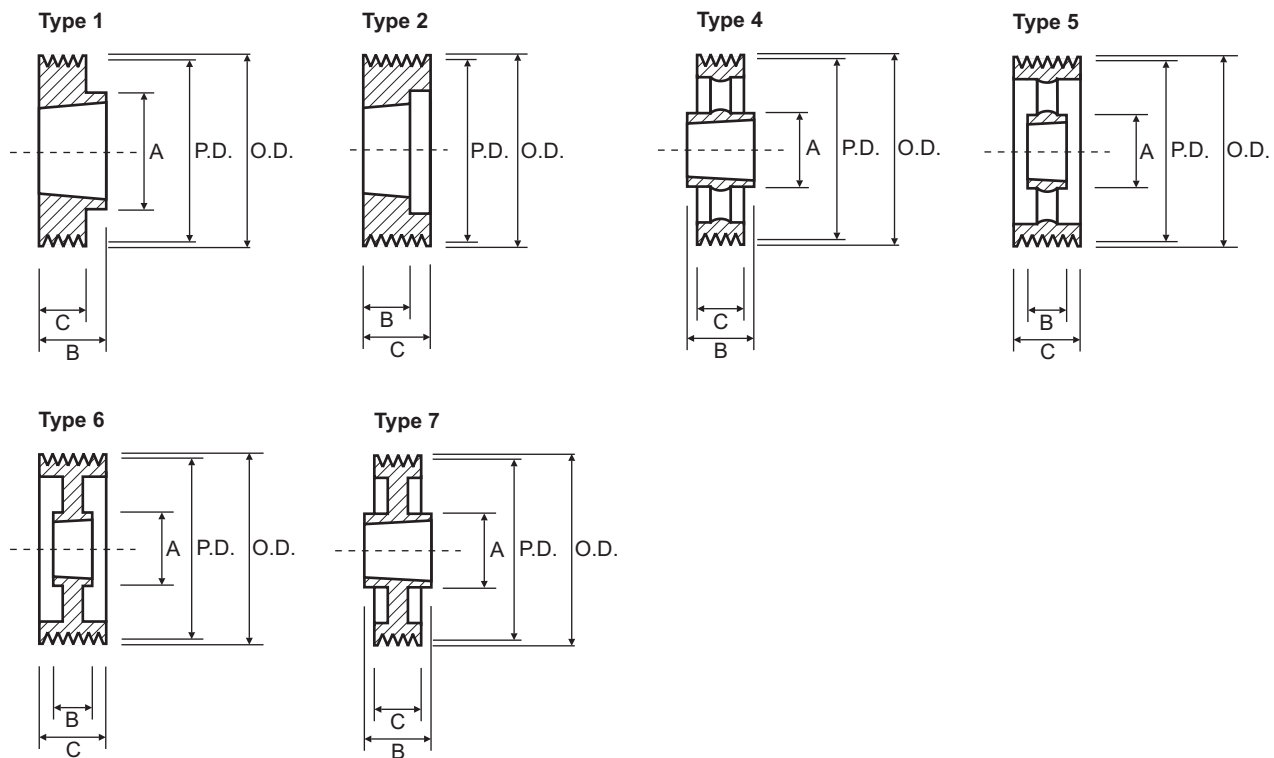
SPA Taper Bore Vee Pulleys 5 Groove



5 Groove					
Part No.	O.D.	Type	Bush	C = 80.0	
				A	B
SPA 100mm x 5	105.5	2	1615	-	38.0
SPA 106mm x 5	111.5	8	2012	-	32.0
SPA 112mm x 5	117.5	8	2012	-	32.0
SPA 118mm x 5	123.5	2	2012	-	32.0
SPA 125mm x 5	130.5	3	2012	-	32.0
SPA 132mm x 5	137.5	3	2517	-	45.0
SPA 140mm x 5	145.5	3	2517	-	45.0
SPA 150mm x 5	155.5	3	2517	-	45.0
SPA 160mm x 5	165.5	3	2517	-	45.0
SPA 170mm x 5	175.5	3	2517	-	45.0
SPA 180mm x 5	185.5	3	3020	-	51.0
SPA 190mm x 5	195.5	3	3020	-	51.0
SPA 200mm x 5	205.5	3	3020	-	51.0
SPA 224mm x 5	229.5	8	3020	-	51.0
SPA 236mm x 5	241.5	6	3020	145.0	51.0
SPA 250mm x 5	255.5	6	3020	159.0	51.0
SPA 280mm x 5	285.5	7	3535	178.0	89.0
SPA 315mm x 5	320.5	7	3535	178.0	89.0
SPA 355mm x 5	360.5	4	3535	178.0	89.0
SPA 400mm x 5	405.5	4	3535	178.0	89.0
SPA 500mm x 5	505.5	4	3535	178.0	89.0

P.D. = O.D. - 5.5mm

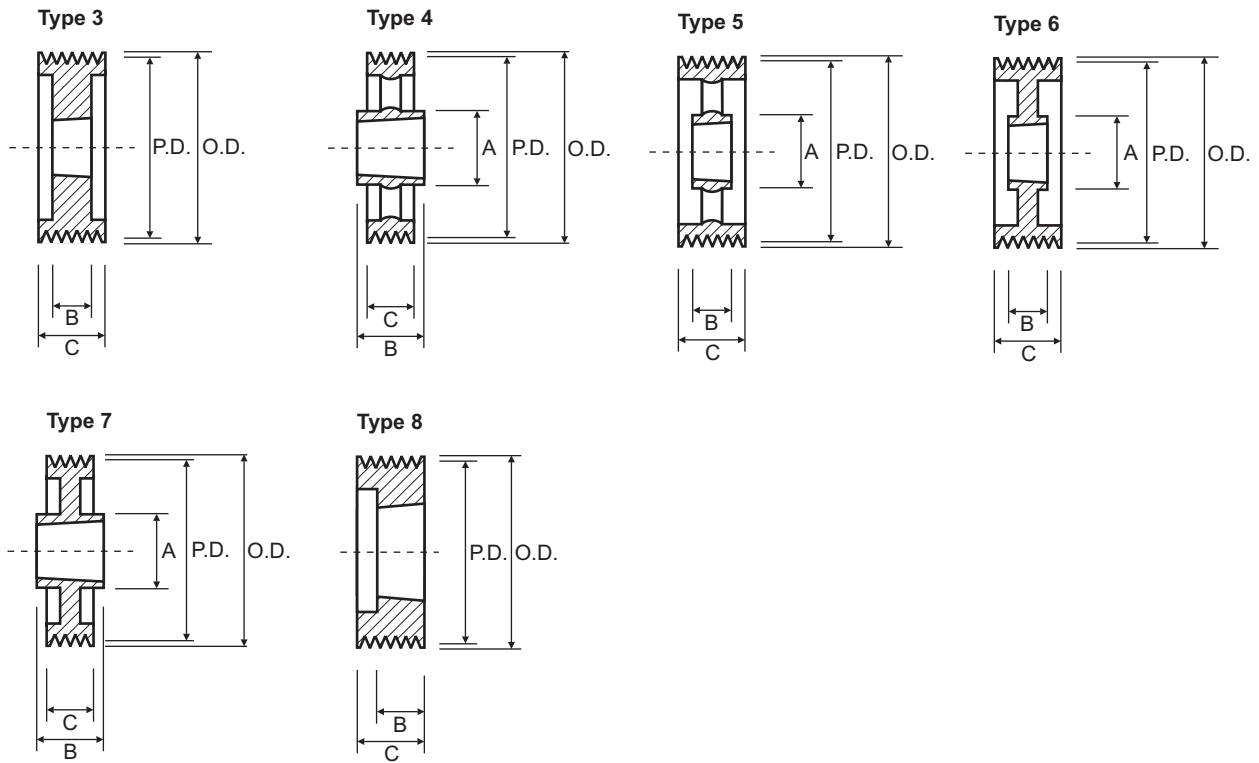
SPB Taper Bore Vee Pulleys 2 & 3 Groove



2 Groove						3 Groove					
Part No.	O.D.	Type	Bush	C = 44.0		Part No.	O.D.	Type	Bush	C = 63.0	
				A	B					A	B
SPB125mm x 2	132.0	2	2012	-	32.0	SPB125mm x 3	132.0	2	2012	-	32.0
SPB132mm x 2	139.0	2	2012	-	32.0	SPB132mm x 3	139.0	2	2012	-	32.0
SPB140mm x 2	147.0	2	2012	-	32.0	SPB140mm x 3	147.0	2	2012	-	32.0
SPB150mm x 2	157.0	2	2012	-	32.0	SPB150mm x 3	157.0	2	2517	-	45.0
SPB160mm x 2	167.0	2	2012	-	32.0	SPB160mm x 3	167.0	2	2517	-	45.0
SPB170mm x 2	177.0	2	2012	-	32.0	SPB170mm x 3	177.0	2	2517	-	45.0
SPB180mm x 2	187.0	1	2517	117.0	45.0	SPB180mm x 3	187.0	2	2517	-	45.0
SPB190mm x 2	197.0	1	2517	117.0	45.0	SPB190mm x 3	197.0	2	2517	-	45.0
SPB200mm x 2	207.0	1	2517	117.0	45.0	SPB200mm x 3	207.0	6	2517	117.0	45.0
SPB212mm x 2	219.0	1	2517	117.0	45.0	SPB212mm x 3	219.0	6	2517	117.0	45.0
SPB224mm x 2	231.0	7	2517	117.0	45.0	SPB224mm x 3	231.0	6	2517	117.0	45.0
SPB236mm x 2	243.0	7	2517	117.0	45.0	SPB236mm x 3	243.0	6	2517	117.0	45.0
SPB250mm x 2	257.0	7	2517	117.0	45.0	SPB250mm x 3	257.0	6	3020	144.0	51.0
SPB280mm x 2	287.0	7	2517	117.0	45.0	SPB280mm x 3	287.0	6	3020	144.0	51.0
SPB300mm x 2	307.0	6	2517	117.0	45.0	SPB300mm x 3	307.0	6	3020	144.0	51.0
SPB315mm x 2	322.0	7	2517	117.0	45.0	SPB315mm x 3	322.0	6	3020	144.0	51.0
SPB355mm x 2	362.0	5	3020	144.0	51.0	SPB355mm x 3	362.0	7	3020	144.0	51.0
SPB400mm x 2	407.0	4	3020	144.0	51.0	SPB400mm x 3	407.0	7	3535	187.0	89.0
SPB450mm x 2	457.0	4	3020	144.0	51.0	SPB450mm x 3	457.0	4	3535	187.0	89.0
SPB500mm x 2	507.0	4	3020	144.0	51.0	SPB500mm x 3	507.0	4	3535	187.0	89.0
SPB560mm x 2	567.0	4	3030	144.0	76.0	SPB560mm x 3	567.0	4	3535	187.0	89.0
SPB630mm x 2	637.0	4	3030	144.0	76.0	SPB630mm x 3	637.0	4	3535	187.0	89.0
						SPB800mm x 3	807.0	4	3535	187.0	89.0
						SPB1000mm x 3	1007.0	4	4040	216.0	102.0
						SPB1250mm x 3	1257.0	4	4040	216.0	102.0

P.D. = O.D. - 7mm

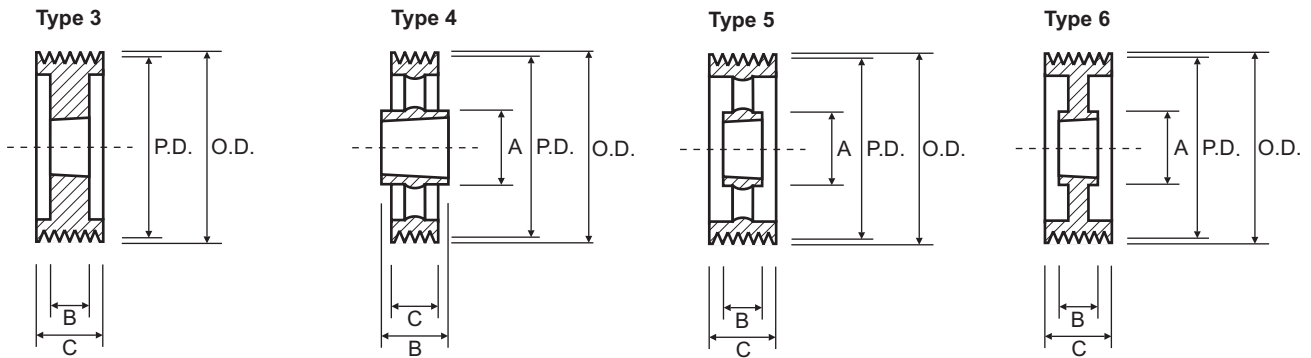
SPB Taper Bore Vee Pulleys 4 & 5 Groove



4 Groove						5 Groove					
Part No.	O.D.	Type	Bush	C = 82.0		Part No.	O.D.	Type	Bush	C = 101.0	
				A	B					A	B
SPB125mm x 4	132.0	3	2012	-	32.0	SPB125mm x5	132.0	8	2012	-	32.0
SPB132mm x 4	139.0	3	2012	-	32.0	SPB132mm x5	139.0	8	2517	-	45.0
SPB140mm x 4	147.0	3	2517	-	45.0	SPB140mm x5	147.0	3	2517	-	45.0
SPB150mm x 4	157.0	3	2517	-	45.0	SPB150mm x5	157.0	3	2517	-	45.0
SPB160mm x 4	167.0	3	2517	-	45.0	SPB160mm x5	167.0	3	2517	-	45.0
SPB170mm x 4	177.0	3	2517	-	45.0	SPB170mm x5	177.0	3	3020	-	51.0
SPB180mm x 4	187.0	3	2517	-	45.0	SPB180mm x5	187.0	3	3020	-	51.0
SPB190mm x 4	197.0	3	2517	-	45.0	SPB190mm x5	197.0	3	3020	-	51.0
SPB200mm x 4	207.0	3	3020	-	51.0	SPB200mm x5	207.0	3	3020	-	51.0
SPB212mm x 4	219.0	3	3020	-	51.0	SPB212mm x5	219.0	3	3020	-	51.0
SPB224mm x 4	231.0	3	3020	-	51.0	SPB224mm x5	231.0	3	3020	-	51.0
SPB236mm x 4	243.0	3	3020	-	51.0	SPB236mm x5	243.0	3	3535	-	89.0
SPB250mm x 4	257.0	6	3020	144.0	51.0	SPB250mm x5	257.0	3	3535	-	89.0
SPB280mm x 4	287.0	6	3020	144.0	51.0	SPB280mm x5	287.0	6	3535	187.0	89.0
SPB300mm x 4	307.0	6	3020	144.0	51.0	SPB300mm x5	307.0	6	3535	187.0	89.0
SPB315mm x 4	322.0	6	3535	187.0	89.0	SPB315mm x5	322.0	6	3535	187.0	89.0
SPB355mm x 4	362.0	7	3535	187.0	89.0	SPB355mm x5	362.0	5	3535	187.0	89.0
SPB400mm x 4	407.0	4	3535	187.0	89.0	SPB400mm x5	407.0	5	3535	187.0	89.0
SPB450mm x 4	457.0	4	3535	187.0	89.0	SPB450mm x5	457.0	5	3535	187.0	89.0
SPB500mm x 4	507.0	4	3535	187.0	89.0	SPB500mm x5	507.0	5	3535	187.0	89.0
SPB560mm x 4	567.0	4	3535	187.0	89.0	SPB560mm x5	567.0	4	4040	216.0	102.0
SPB630mm x 4	637.0	4	3535	187.0	89.0	SPB630mm x5	637.0	4	4040	216.0	102.0
SPB800mm x 4	807.0	4	4040	216.0	102.0	SPB800mm x5	807.0	4	4040	216.0	102.0
SPB1000mm x 4	1007.0	4	4040	216.0	102.0	SPB1000mm x5	1007.0	4	4545	242.0	114.0
SPB1250mm x 4	1257.0	4	4545	242.0	114.0	SPB1250mm x5	1257.0	4	4545	242.0	114.0

P.D. = O.D. - 7mm

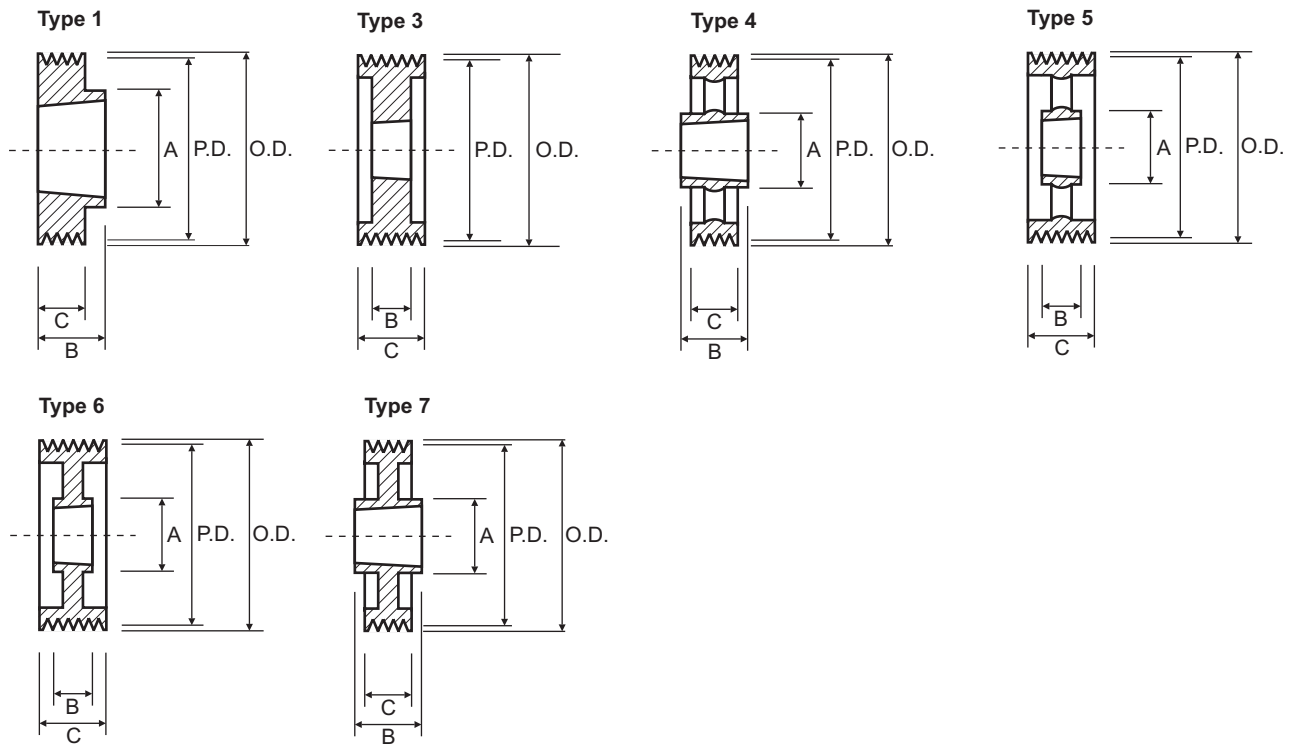
SPB Taper Bore Vee Pulleys 6 & 8 Groove



6 Groove						8 Groove					
Part No.	O.D.	Type	Bush	C = 120.0		Part No.	O.D.	Type	Bush	C = 158.0	
				A	B					A	B
SPB140mm x6	147.0	3	2517	-	45.0	SPB180mm x 8	187.0	3	3030	-	76.0
SPB150mm x6	157.0	3	2517	-	45.0	SPB190mm x 8	197.0	3	3030	-	76.0
SPB160mm x6	167.0	3	3020	-	51.0	SPB200mm x 8	207.0	3	3535	-	89.0
SPB170mm x6	177.0	3	3020	-	51.0	SPB212mm x 8	219.0	3	3535	-	89.0
SPB180mm x6	187.0	3	3020	-	51.0	SPB224mm x 8	231.0	3	3535	-	89.0
SPB190mm x6	197.0	3	3020	-	51.0	SPB236mm x 8	243.0	3	3535	-	89.0
SPB200mm x6	207.0	3	3020	-	51.0	SPB250mm x 8	257.0	3	3535	-	89.0
SPB212mm x6	219.0	3	3535	-	89.0	SPB280mm x 8	287.0	6	3535	187.0	89.0
SPB224mm x6	231.0	3	3535	-	89.0	SPB300mm x 8	307.0	6	3535	187.0	89.0
SPB236mm x6	243.0	3	3535	-	89.0	SPB315mm x 8	322.0	6	3535	187.0	89.0
SPB250mm x6	257.0	3	3535	-	89.0	SPB355mm x 8	362.0	6	3535	187.0	89.0
SPB280mm x6	287.0	6	3535	187.0	89.0	SPB400mm x 8	407.0	5	4040	200.0	102.0
SPB300mm x6	307.0	6	3535	187.0	89.0	SPB450mm x 8	457.0	5	4040	216.0	102.0
SPB315mm x6	322.0	6	3535	187.0	89.0	SPB500mm x 8	507.0	5	4040	216.0	102.0
SPB355mm x6	362.0	5	3535	187.0	89.0	SPB560mm x 8	567.0	5	4545	242.0	114.0
SPB400mm x6	407.0	5	3535	187.0	89.0	SPB630mm x 8	637.0	5	4545	242.0	114.0
SPB450mm x6	457.0	5	4040	216.0	102.0	SPB800mm x 8	807.0	5	4545	242.0	114.0
SPB500mm x6	507.0	5	4040	216.0	102.0	SPB1000mm x 8	1007.0	5	5050	267.0	127.0
SPB560mm x6	567.0	5	4040	216.0	102.0	SPB1250mm x 8	1257.0	5	5050	267.0	127.0
SPB630mm x6	637.0	5	4040	216.0	102.0						
SPB800mm x6	807.0	5	4545	242.0	114.0						
SPB1000mm x6	1007.0	5	4545	242.0	114.0						
SPB1250mm x6	1257.0	4	4545	242.0	114.0						

P.D. = O.D. - 7mm

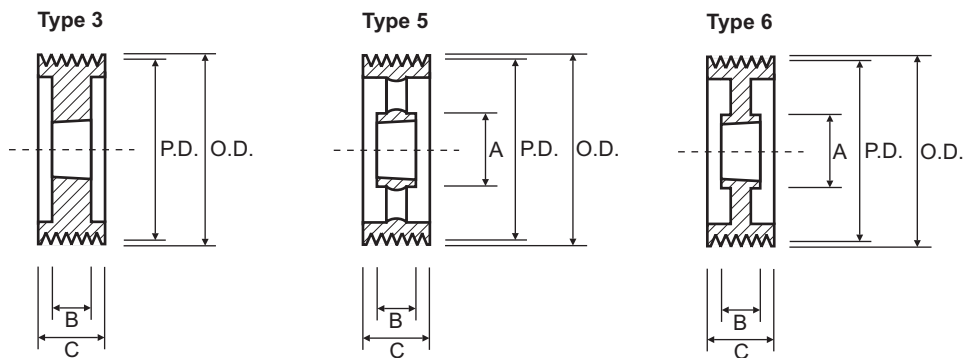
SPC Taper Bore Vee Pulleys 3 & 4 Groove



3 Groove						4 Groove					
Part No.	O.D.	Type	Bush	C = 85.0		Part No.	O.D.	Type	Bush	C = 111.0	
				A	B					A	B
SPC200mm x 3	209.6	3	2517	-	45.0	SPC200mm x 4	209.6	3	3020	-	51.0
SPC212mm x 3	221.6	3	3020	-	51.0	SPC212mm x 4	221.6	3	3020	-	51.0
SPC224mm x 3	233.6	3	3020	-	51.0	SPC224mm x 4	233.6	3	3535	-	89.0
SPC236mm x 3	245.6	3	3020	-	51.0	SPC236mm x 4	245.6	3	3535	-	89.0
SPC250mm x 3	259.6	3	3020	-	51.0	SPC250mm x 4	259.6	3	3535	-	89.0
SPC265mm x 3	274.6	1	3535	179.0	89.0	SPC265mm x 4	274.6	3	3535	-	89.0
SPC280mm x 3	289.6	1	3535	187.0	89.0	SPC280mm x 4	289.6	3	3535	-	89.0
SPC300mm x 3	309.6	7	3535	187.0	89.0	SPC300mm x 4	309.6	6	3535	187.0	89.0
SPC315mm x 3	324.6	7	3535	187.0	89.0	SPC315mm x 4	324.6	6	3535	187.0	89.0
SPC335mm x 3	344.6	7	3535	187.0	89.0	SPC335mm x 4	344.6	6	3535	187.0	89.0
SPC355mm x 3	364.6	7	3535	187.0	89.0	SPC355mm x 4	364.6	6	3535	187.0	89.0
SPC375mm x 3	384.6	7	3535	187.0	89.0	SPC375mm x 4	384.6	6	3535	187.0	89.0
SPC400mm x 3	409.6	4	3535	187.0	89.0	SPC400mm x 4	409.6	5	3535	187.0	89.0
SPC425mm x 3	434.6	4	3535	187.0	89.0	SPC425mm x 4	434.6	5	3535	187.0	89.0
SPC450mm x 3	459.6	4	3535	187.0	89.0	SPC450mm x 4	459.6	5	3535	187.0	89.0
SPC475mm x 3	484.6	4	3535	187.0	89.0	SPC475mm x 4	484.6	5	3535	187.0	89.0
SPC500mm x 3	509.6	4	3535	187.0	89.0	SPC500mm x 4	509.6	5	3535	187.0	89.0
SPC530mm x 3	539.6	4	3535	187.0	89.0	SPC530mm x 4	539.6	5	3535	187.0	89.0
SPC560mm x 3	569.6	4	3535	187.0	89.0	SPC560mm x 4	569.6	5	4040	216.0	102.0
SPC630mm x 3	639.6	4	4040	216.0	102.0	SPC630mm x 4	639.6	4	4545	242.0	114.0
SPC800mm x 3	809.6	4	4545	242.0	114.0	SPC800mm x 4	809.6	4	5050	267.0	127.0
SPC1000mm x 3	1009.6	4	5050	267.0	127.0	SPC1000mm x 4	1009.6	4	5050	267.0	127.0
SPC1250mm x 3	1259.6	4	5050	267.0	127.0	SPC1250mm x 4	1259.6	4	5050	267.0	127.0

P.D. = O.D. - 9.6mm

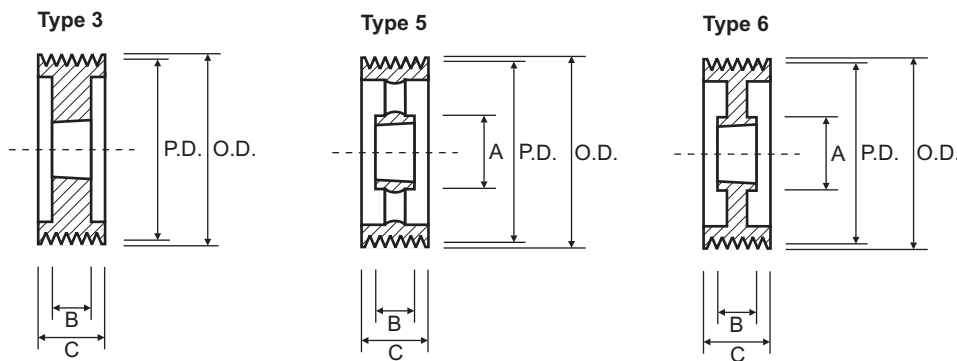
SPC Taper Bore Vee Pulleys 5 & 6 Groove



5 Groove						6 Groove					
Part No.	O.D.	Type	Bush	C = 136.0		Part No.	O.D.	Type	Bush	C = 162.0	
				A	B					A	B
SPC200mm x 5	209.6	3	3535	-	89.0	SPC200mm x 6	209.6	3	3535	-	89.0
SPC212mm x 5	221.6	3	3535	-	89.0	SPC212mm x 6	221.6	3	3535	-	89.0
SPC224mm x 5	233.6	3	3535	-	89.0	SPC224mm x 6	233.6	3	3535	-	89.0
SPC236mm x 5	245.6	3	3535	-	89.0	SPC236mm x 6	245.6	3	3535	-	89.0
SPC250mm x 5	259.6	3	3535	-	89.0	SPC250mm x 6	259.6	3	3535	-	89.0
SPC265mm x 5	274.6	3	3535	-	89.0	SPC265mm x 6	274.6	3	3535	-	89.0
SPC280mm x 5	289.6	3	3535	-	89.0	SPC280mm x 6	289.6	3	3535	-	89.0
SPC300mm x 5	309.6	6	3535	187.0	89.0	SPC300mm x 6	309.6	6	3535	187.0	89.0
SPC315mm x 5	324.6	6	3535	187.0	89.0	SPC315mm x 6	324.6	6	3535	187.0	89.0
SPC335mm x 5	344.6	6	3535	187.0	89.0	SPC335mm x 6	344.6	6	3535	187.0	89.0
SPC355mm x 5	364.6	6	3535	187.0	89.0	SPC355mm x 6	364.6	6	3535	187.0	89.0
SPC375mm x 5	384.6	6	3535	187.0	89.0	SPC375mm x 6	384.6	6	4040	216.0	102.0
SPC400mm x 5	409.6	5	3535	187.0	89.0	SPC400mm x 6	409.6	6	4040	216.0	102.0
SPC425mm x 5	434.6	5	4040	216.0	102.0	SPC425mm x 6	434.6	6	4545	242.0	114.0
SPC450mm x 5	459.6	5	4040	216.0	102.0	SPC450mm x 6	459.6	6	4545	242.0	114.0
SPC475mm x 5	484.6	5	4040	216.0	102.0	SPC475mm x 6	484.6	6	4545	242.0	114.0
SPC500mm x 5	509.6	5	4040	216.0	102.0	SPC500mm x 6	509.6	5	4545	242.0	114.0
SPC530mm x 5	539.6	5	4040	216.0	102.0	SPC530mm x 6	539.6	5	4545	242.0	114.0
SPC560mm x 5	569.6	5	4545	242.0	114.0	SPC560mm x 6	569.6	5	5050	267.0	127.0
SPC630mm x 5	639.6	5	5050	267.0	127.0	SPC630mm x 6	639.6	5	5050	267.0	127.0
SPC800mm x 5	809.6	5	5050	267.0	127.0	SPC800mm x 6	809.6	5	5050	267.0	127.0
SPC1000mm x 5	1009.6	5	5050	267.0	127.0	SPC1000mm x 6	1009.6	5	5050	267.0	127.0
SPC1250mm x 5	1259.6	5	5050	267.0	127.0	SPC1250mm x 6	1259.6	5	5050	267.0	127.0

P.D. = O.D. - 9.6mm

SPC Taper Bore Vee Pulleys 8 Grooves



8 Groove					
C = 213.0					
Part No.	O.D.	Type	Bush	A	B
SPC212mm x 8	221.6	3	3535	-	89.0
SPC224mm x 8	233.6	3	3535	-	89.0
SPC236mm x 8	245.6	3	3535	-	89.0
SPC250mm x 8	259.6	3	3535	-	89.0
SPC265mm x 8	274.6	3	3535	-	89.0
SPC280mm x 8	289.6	3	3535	-	89.0
SPC300mm x 8	309.6	6	4040	216.0	102.0
SPC315mm x 8	324.6	6	4040	216.0	102.0
SPC335mm x 8	344.6	6	4040	216.0	102.0
SPC355mm x 8	364.6	6	4040	216.0	102.0
SPC375mm x 8	384.6	6	4545	242.0	114.0
SPC400mm x 8	409.6	6	4545	242.0	114.0
SPC425mm x 8	434.6	6	5050	267.0	127.0
SPC450mm x 8	459.6	6	5050	267.0	127.0
SPC475mm x 8	484.6	6	5050	267.0	127.0
SPC500mm x 8	509.6	6	5050	267.0	127.0
SPC530mm x 8	539.6	6	5050	267.0	127.0
SPC560mm x 8	569.6	5	5050	267.0	127.0
SPC630mm x 8	639.6	5	5050	267.0	127.0
SPC800mm x 8	809.6	5	5050	267.0	127.0
SPC1000mm x 8	1009.6	5	5050	267.0	127.0
SPC1250mm x 8	1259.6	5	5050	267.0	127.0

P.D. = O.D. - 9.6mm

Taper Bushes



Taper bushes are designed to give the following:-

1. Easy assembly.
2. Rapid dismantling of the pulley and other transmission equipment.
3. No special tool requirement except hexagonal allen key.

A large range of bores are available off the shelf which ensures that an immediate assembly can be made, thus avoiding costly factory down-time.

The bushes are machined with standard keyways. This, in addition to clamping screws is sufficient to meet the required torque.

Part No.		Stock Bore Sizes	OD	L
1008	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25	35.0	20.3
	inch	3/8", 1/2", 5/8", 3/4", 7/8", 1"		
1108	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28	38.0	20.3
	inch	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8"		
1210	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32	47.5	25.4
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4"		
1215	mm	12, 14, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32	47.5	38.1
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4"		
1610	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	57.0	25.4
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 5/8"		
1615	mm	12, 14, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	57.0	38.1
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8"		
2012	mm	16, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50	70.0	31.8
	inch	3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2"		
* 2017	mm	19, 22, 24, 32, 48	70.0	44.4
	inch	3/4", 7/8", 1", 1.1/8"		
2517	mm	19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60	85.5	44.5
	inch	3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8",		
	inch	2 1/4", 2 3/8", 2 1/2"		
* 2525	mm	19, 22	85.6	63.5
	inch	3/4", 7/8", 1", 1 1/8"		
3020	mm	32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	50.8
	inch	1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8", 2 1/4", 2 3/8", 2 1/2", 2 5/8", 2 3/4", 2 7/8", 3"		
3030	mm	32, 38, 40, 42, 45, 48, 55, 65, 70	108.0	76.2
	inch	1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2 1/8", 2 3/8", 2 5/8", 2 3/4", 3"		
3535	mm	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90	127.0	88.9
	inch	1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8", 2 1/4", 2 3/8", 2 1/2", 2 5/8", 2 3/4",		
	inch	2 7/8", 3", 3.1/8, 3.1/4", 3 3/8", 3 1/2"		
4040	mm	40, 55, 60, 65, 70, 75, 80, 85, 95, 100	146.0	101.6
	inch	1 3/8", 1 3/4", 1 7/8", 2", 2 1/8", 2 1/4", 2 1/2", 2 5/8", 3 1/2", 4"		
4545	mm	60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110	162.0	114.3
	inch	3", 3 1/8", 3 1/4", 3 3/8", 3 1/2", 3 3/4", 4 1/2"		
5050	mm	70, 95, 100, 110, 115, 120, 125	177.5	127.0

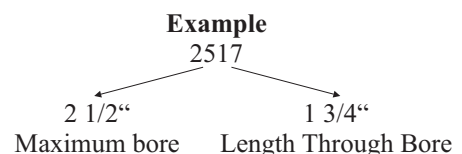
* Discontinued size, only limited bore sizes available.

OD = Outside Diameter

L = Length Through Bore

The first 2 digits of the part number are the maximum bore size in inches.

The second 2 digits of the part number are the length through bore in inches.



Useful Information

PULLEY DIAMETER - SPEED

When choosing a pulley that is made of cast iron care must be taken not to exceed pulley rim speed of 30 m/s. Centrifugal forces developed beyond this speed may prohibit the use of stock cast iron pulleys. For rim speeds exceeding 30 m/s, contact Naismith Engineering for recommendations. The formula below will help you work out what the rim speed of your pulley will be.

$$\text{Metres/Sec} = \frac{(\text{O.D.} \times .001) \times 3.142 \times \text{RPM}}{60}$$

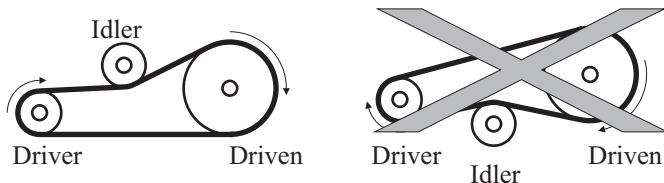
O.D. is in millimetres

IDLERS

Use of idlers should be restricted to those cases in which they are functionally necessary. Idlers are usually used to apply tension when centres are not adjustable.

Idlers should be located on the slack side of the belt drive as close to the motor as possible. For inside idlers, grooved pulleys are recommended.

Outside or backside idlers should be flat and uncrowned. Diameters should generally not be smaller than the smallest loaded pulley in the system.



For Poly-V Pulleys, the idler width should be equal to the pulley width plus twice the rib pitch for less than 10 ribs, or plus four times the rib pitch for 10 or more ribs.

BALANCING OF PULLEYS AND IDLERS

Poor balancing creates premature wear of bearings and can be the origin of severe vibratory problems. In extreme cases unbalanced components can cause shaft breakage.

Static balancing is done by the pulley manufacturer.

In addition, dynamic balancing is required when the belt speed exceeds 30 m/s.

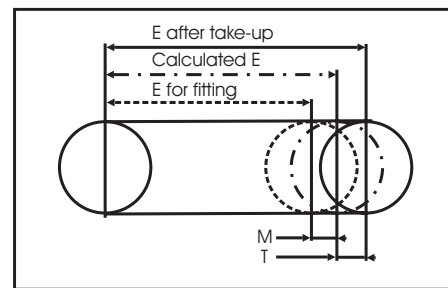
BELT STORAGE AND HANDLING

For storage, the belt should be protected from moisture, oil, temperature extremes, direct sunlight and high ozone environments. The belt should be stored in its original package where applicable, avoiding any sharp bends or crimping which will damage the belt.

FITTING AND TAKE-UP RECOMMENDATIONS FOR POLY-V PULLEYS

Margins are defined by the following table:

L (mm)	PJ		PL		PM	
	M	T	M	T	M	T
<750	-10	+10				
750 to 1200	-10	+10	-15	+20		
1200 to 2000	-15	+20	-20	+25		
2000 to 3500	-20	+30	-30	+35	-40	+50
3500 to 6000			-40	+60	-50	+70
>6000					-100	+130



TENSIONING THE BELT

POLY-V Belts must be tensioned correctly and with great care. Under or over-tensioning can cause functional problems and lead to premature belt failure.

ELONGATION METHOD

Requires no special equipment.

It is used for high power drives or centre distances greater than 1m.

- Fit the belt on the pulleys with no tension.
- Draw 2 lines perpendicularly across the back of the belt, one full span apart (on metre apart if possible).
- Increase the distance between the 2 lines by 0.7% (7mm for 1m).
- Run the drive under load for about ten minutes.
- Check the tension of the belt (i.e. The spacing between the 2 lines) and readjust to the following values if necessary:

PJ	PL	PM
0.5%	0.6%	0.6%

Notes



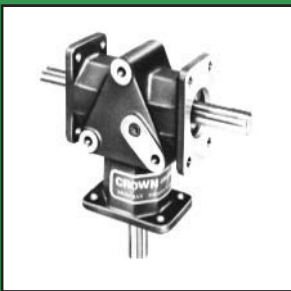
Sprocket in both B.S. A.S.A. - Plates, Simplex, Duplex & Triplex. Chain in B.S. A.S.A. Conveyor & Special chains.



We can supply more than 50 different types of coupling from 14 different suppliers.



Variable speed pulleys. Zero-Max variable speed drives.



Winsmith gear boxes, Zero-max Crown Gear Drives & Tol-O-Matic Float-A-Shafts.



A large range of Tensioners are available, with attachments including; Rollers, Polyethylene Slide Bocks and Sprockets to suit British Standard chain.



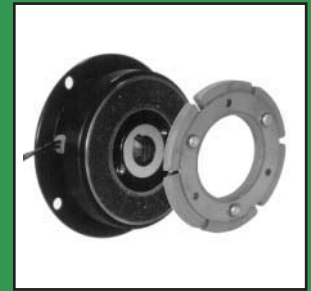
Timing pulleys Classical, HTD, Metric T & AT & Poly Chain G.T. With belts to suit.



A large range of shaft locking bushes can be supplied.



A full range of Ruland shaft collars is available.



Miki Pulley clutches and brakes, Tol-O-Matic caliper disc brakes & pneumatic clutches.

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