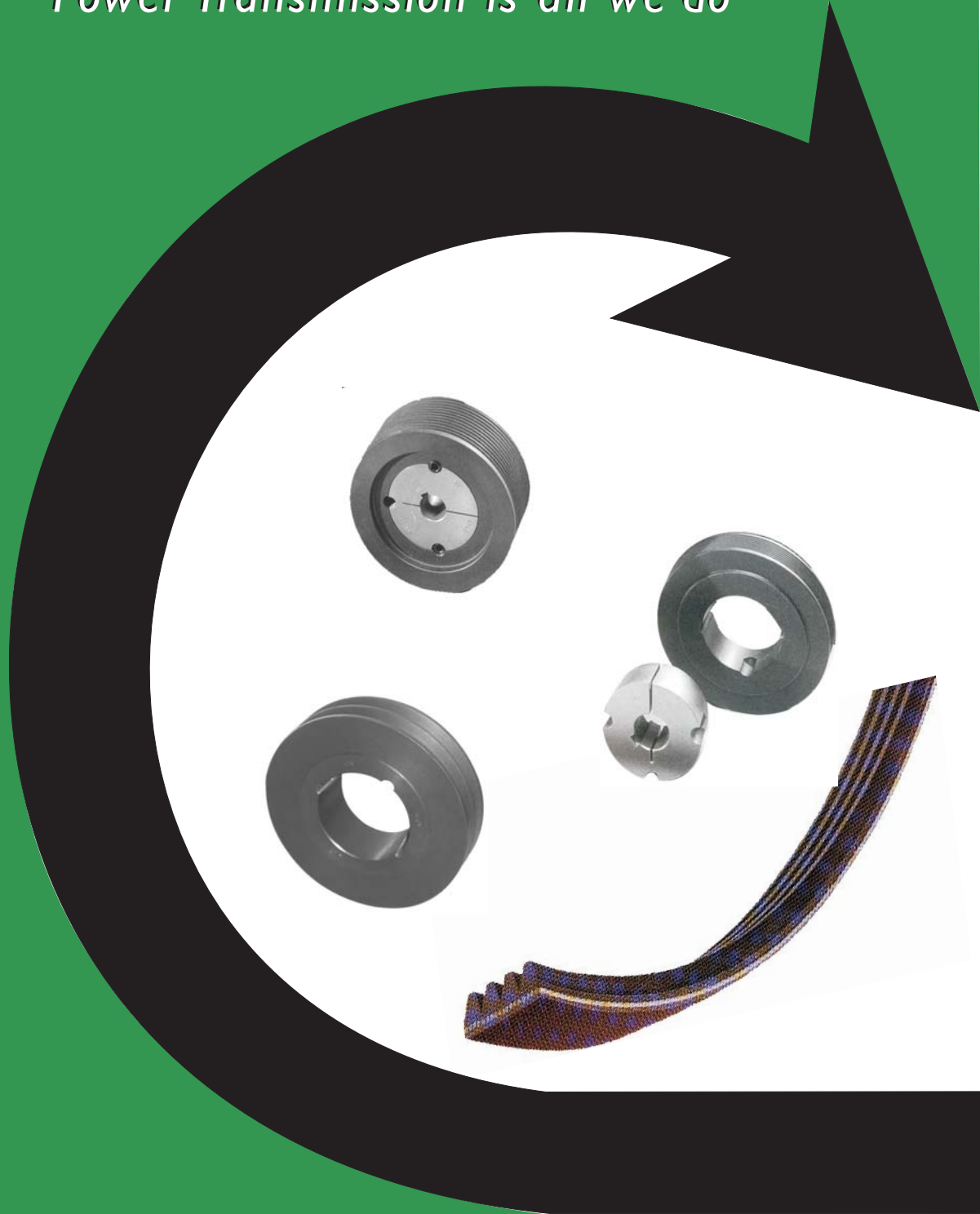


# NAISMITH

*Power Transmission is all we do*



POLY-V PULLEYS,  
V- PULLEYS & BELTS

2012



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All dimensions in mm unless otherwise stated

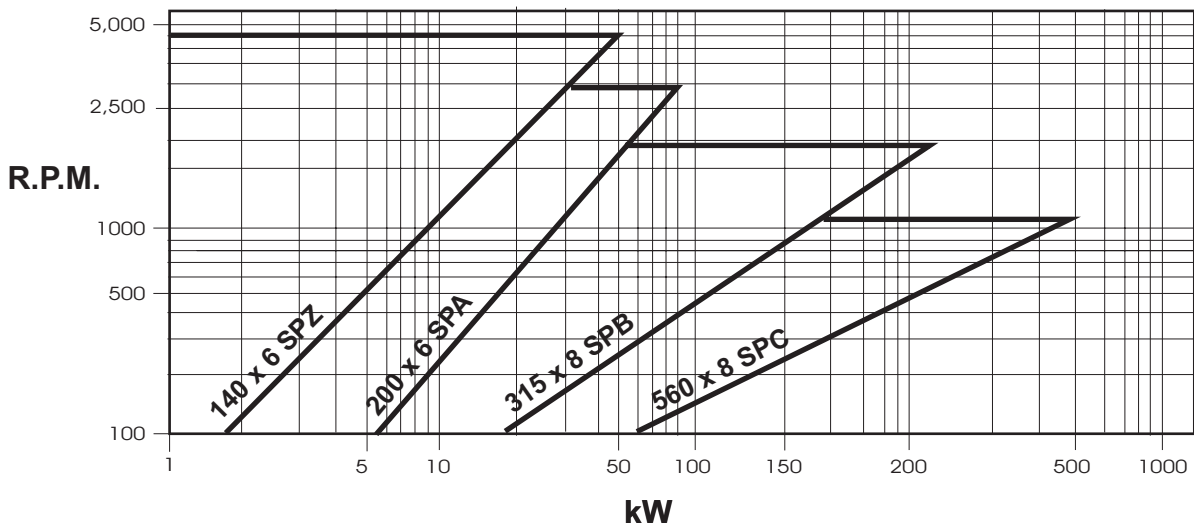
All descriptions and dimensions as published are believed to be correct, but subject to the possibility of printing errors. The right is reserved by us or our suppliers to alter or modify dimensions or designs without notice.

**NAISMITH** Engineering & Manufacturing Co. Pty. Ltd.

# V- 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.



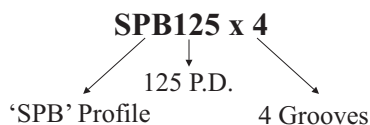
## Identifying a Vee Pulley

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 5 to 12. Naismith Engineering stock the pulley profiles of 'SPZ', 'SPA', 'SPB', and 'SPC'.

**Grooves:** Number of Grooves

**P.D.:** The pitch diameter of the pulley

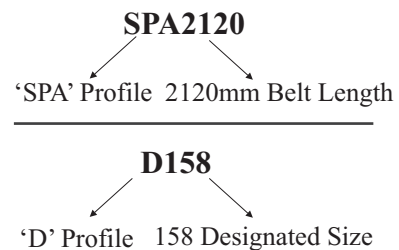


## Identifying a Vee Belt

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 5 to 20. Naismith Engineering stock the belt profiles of 'SPZ', 'SPA', 'SPB', 'SPC', 'A', 'B', 'C', 'D' and 'Z'.

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



# Optibelt V-Belts

## **Optibelt SK S=C PLUS\***

The wrapped Optibelt SK wedge belt has been developed with mechanical engineering in mind. It transmits substantially more power than the classical V-belt with comparable top width, e.g. section SPB and section B/17. The wrapped wedge belt has the famous Optibelt S=C PLUS attributes with an efficiency of approx. 97% and is suitable for use in sets without additional measurement. The Optibelt SK high performance wedge belt is preferred for use in heavy mechanical engineering with very high load requirements, which can be over 2000 kW

## **Optibelt RED POWER 3\***

### **Maintenance-Free**

The application examples are endless, as the Optibelt RED POWER 3 is available in lengths ranging from 1,200 mm to 12,000 mm. The next generation of RED POWER 3 V-belts and kraftbands produces results that are really worth talking about: up to 50% more power while at the same time cutting costs by up to 35%. Improved production processes and consistent development of basic products have led to these excellent results. The cost savings are explained as follows:

**Fewer belts + Narrower pulleys + Saving in drive space = lower costs**

## **Optibelt BLUE POWER**

The new, wrapped high-performance wedge belt, Optibelt BLUE POWER, has a high-strength aramid cord. When used as a set of belts or as a Kraftband is particularly well suited for large range of heavily loaded drives. The capacity of an Optibelt BLUE POWER wedge belt is about twice that of a wedge belt with standard technical design. This corresponds to additional performance of up to 100%

## **Optibelt VB S=C PLUS \***

Machine construction, Crushers, Compressors, Construction machinery, Blending systems, Agricultural machines, Combine harvesters, Choppers, Gardening equipment, Lawnmowers, scarifiers, due to its multitude of application possibilities, the Optibelt VB is the classical model amongst the drive belts. The qualities of this product come into their own when dealing with difficult drives in agricultural machines just as well as when dealing with extraordinary drive solutions, for example with V-flat drives in machine construction. Optibelt VB classical V-belts are S=C PLUS and therefore unmeasured and can be used in sets.

As the classical V-belt, the Optibelt VB is used in many areas of the general machine construction sector as well as being used for spacial drives

## **Optibelt Super X-POWER M=S\***

Consistent further development of the production process, improved materials, low stretch polyester cords and optimised moulded cogs are the basis for this new belt generation. Optibelt Super X-POWER M=S allow complex drive solutions in the whole area of machine construction under the most difficult conditions and extreme operational demands.

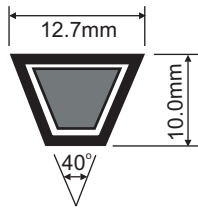
\*S=C Plus & M=S means that the belt can be used in Matched set without further measurement



# 'SPA' Section V-Belts



Power Transmission



## SPA- SK

Stock No.	Stock No.	Stock No.
SPA732	SPA1407	SPA2232
SPA757	SPA1432	SPA2240
SPA782	SPA1457	SPA2282
SPA800	SPA1482	SPA2300
SPA807	SPA1500	SPA2307
SPA832	SPA1507	SPA2332
SPA850	SPA1532	SPA2360
SPA857	SPA1557	SPA2382
SPA882	SPA1582	SPA2432
SPA900	SPA1600	SPA2482
SPA907	SPA1607	SPA2500
SPA932	SPA1632	SPA2532
SPA950	SPA1657	SPA2582
SPA957	SPA1682	SPA2607
SPA982	SPA1700	SPA2632
SPA1000	SPA1707	SPA2650
SPA1007	SPA1732	SPA2682
SPA1032	SPA1757	SPA2732
SPA1060	SPA1782	SPA2782
SPA1082	SPA1800	SPA2800
SPA1107	SPA1807	SPA2832
SPA1120	SPA1832	SPA2847
SPA1132	SPA1857	SPA2882
SPA1157	SPA1882	SPA2932
SPA1180	SPA1900	SPA2982
SPA1207	SPA1907	SPA3000
SPA1232	SPA1932	SPA3032
SPA1250	SPA1957	SPA3082
SPA1257	SPA1982	SPA3150
SPA1272	SPA2000	SPA3182
SPA1282	SPA2032	SPA3282
SPA1307	SPA2057	SPA3350
SPA1320	SPA2082	SPA3382
SPA1332	SPA2120	SPA3550
SPA1357	SPA2132	SPA3750
SPA1382	SPA2182	SPA4000
SPA1400	SPA2207	SPA4250
		SPA4500

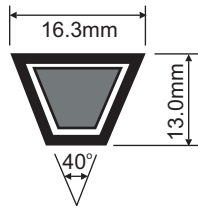
## SPA Red Power 3

Stock No.	Stock No.	Stock No.
SPA1207	SPA1757	SPA2432
SPA1232	SPA1782	SPA2482
SPA1250	SPA1800	SPA2500
SPA1257	SPA1807	SPA2532
SPA1282	SPA1832	SPA2582
SPA1307	SPA1857	SPA2607
SPA1320	SPA1882	SPA2632
SPA1332	SPA1900	SPA2650
SPA1357	SPA1907	SPA2682
SPA1382	SPA1932	SPA2732
SPA1400	SPA1957	SPA2782
SPA1407	SPA1982	SPA2800
SPA1432	SPA2000	SPA2832
SPA1457	SPA2032	SPA2847
SPA1482	SPA2057	SPA2882
SPA1500	SPA2082	SPA2932
SPA1507	SPA2120	SPA2982
SPA1532	SPA2132	SPA3000
SPA1557	SPA2182	SPA3032
SPA1582	SPA2207	SPA3082
SPA1600	SPA2232	SPA3150
SPA1607	SPA2240	SPA3182
SPA1632	SPA2282	SPA3282
SPA1657	SPA2300	SPA3350
SPA1682	SPA2307	SPA3382
SPA1700	SPA2332	SPA3550
SPA1707	SPA2360	SPA3750
SPA1732	SPA2382	SPA4000

SPA Red Power 3 belts  
are S = C Plus  
(Set Constant)

SK Belts in the range  
SPA1180 - SPA4500  
are S = C Plus  
(Set Constant)

# 'SPB' Section V-Belts



## SPB- SK

Stock No.	Stock No.
SPB1250	SPB2900
SPB1320	SPB3000
SPB1400	SPB3150
SPB1450	SPB3250
SPB1500	SPB3350
SPB1600	SPB3450
SPB1700	SPB3550
SPB1750	SPB3650
SPB1800	SPB3750
SPB1850	SPB3800
SPB1900	SPB4000
SPB2000	SPB4050
SPB2020	SPB4250
SPB2060	SPB4300
SPB2120	SPB4500
SPB2150	SPB4560
SPB2180	SPB4750
SPB2240	SPB4820
SPB2280	SPB5000
SPB2360	SPB5070
SPB2391	SPB5300
SPB2400	SPB5600
SPB2500	SPB6000
SPB2650	SPB6300
SPB2680	SPB6700
SPB2800	SPB7100
SPB2840	SPB7500
SPB2850	SPB8000

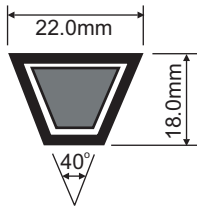
SK Belts in the range  
SPB1250 - SPB8000  
are S = C Plus  
(Set Constant)

## SPB Red Power 3

Stock No.	Stock No.
SPB1250	SPB3150
SPB1320	SPB3350
SPB1400	SPB3550
SPB1500	SPB3750
SPB1600	SPB4000
SPB1700	SPB4250
SPB1800	SPB4500
SPB1900	SPB4750
SPB2000	SPB5000
SPB2120	SPB5300
SPB2240	SPB5600
SPB2360	SPB6000
SPB2500	SPB6300
SPB2650	SPB6700
SPB2800	SPB7100
SPB3000	SPB7500
	SPB8000

SPB Red Power 3  
belts are S = C Plus  
(Set Constant)

# 'SPC' Section V-Belts



## SPC- SK

Stock No.
SPC2000
SPC2120
SPC2240
SPC2360
SPC2500
SPC2650
SPC2800
SPC3000
SPC3150
SPC3350
SPC3550
SPC3750
SPC4000
SPC4250
SPC4500
SPC4750
SPC5000
SPC5300
SPC5600
SPC6000
SPC6300
SPC6700
SPC7100
SPC7500
SPC8000
SPC8500
SPC9000
SPC9500
SPC10000
SPC10600
SPC11200
SPC12500

SK Belts in the range  
SPC2000 - SPC10000  
are S = C Plus  
(Set Constant)

## SPC Red Power 3

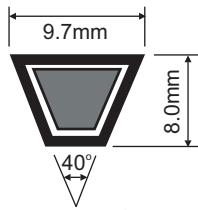
Stock No.
SPC2000
SPC2120
SPC2240
SPC2360
SPC2500
SPC2650
SPC2800
SPC3000
SPC3150
SPC3350
SPC3550
SPC3750
SPC4000
SPC4250
SPC4500
SPC4750
SPC5000
SPC5300
SPC5600
SPC6000
SPC6300
SPC6700
SPC7100
SPC7500
SPC8000
SPC8500
SPC9000
SPC9500
SPC10000

SPC Red Power 3  
belts are S = C Plus  
(Set Constant)

# 'SPZ' Section V-Belts



Power Transmission



## SPZ - SK

Stock No.	Stock No.	Stock No.
SPZ487	SPZ1037	SPZ1637
SPZ512	SPZ1047	SPZ1662
SPZ562	SPZ1060	SPZ1687
SPZ587	SPZ1077	SPZ1700
SPZ612	SPZ1087	SPZ1737
SPZ630	SPZ1112	SPZ1762
SPZ637	SPZ1120	SPZ1787
SPZ662	SPZ1137	SPZ1800
SPZ670	SPZ1162	SPZ1812
SPZ687	SPZ1180	SPZ1837
SPZ710	SPZ1187	SPZ1862
SPZ722	SPZ1202	SPZ1887
SPZ737	SPZ1212	SPZ1900
SPZ750	SPZ1237	SPZ1937
SPZ762	SPZ1250	SPZ1987
SPZ772	SPZ1262	SPZ2000
SPZ787	SPZ1287	SPZ2037
SPZ800	SPZ1312	SPZ2087
SPZ812	SPZ1320	SPZ2120
SPZ825	SPZ1337	SPZ2137
SPZ837	SPZ1347	SPZ2150
SPZ850	SPZ1362	SPZ2187
SPZ862	SPZ1387	SPZ2240
SPZ875	SPZ1400	SPZ2287
SPZ887	SPZ1412	SPZ2360
SPZ900	SPZ1437	SPZ2500
SPZ912	SPZ1462	SPZ2540
SPZ925	SPZ1487	SPZ2650
SPZ937	SPZ1500	SPZ2690
SPZ950	SPZ1512	SPZ2800
SPZ962	SPZ1537	SPZ2840
SPZ987	SPZ1562	SPZ3000
SPZ1000	SPZ1587	SPZ3150
SPZ1012	SPZ1600	SPZ3350
SPZ1024	SPZ1612	SPZ3550

SK Belts in the range  
SPZ1162 - SPZ3550  
are S = C Plus  
(Set Constant)

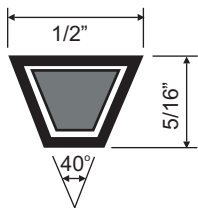
## SPZ Red Power 3

Stock No.	Stock No.
SPZ1202	SPZ1700
SPZ1212	SPZ1737
SPZ1237	SPZ1762
SPZ1250	SPZ1787
SPZ1262	SPZ1800
SPZ1287	SPZ1837
SPZ1312	SPZ1862
SPZ1320	SPZ1887
SPZ1337	SPZ1900
SPZ1362	SPZ1937
SPZ1387	SPZ1987
SPZ1400	SPZ2000
SPZ1412	SPZ2037
SPZ1437	SPZ2120
SPZ1462	SPZ2137
SPZ1487	SPZ2187
SPZ1500	SPZ2240
SPZ1512	SPZ2287
SPZ1537	SPZ2360
SPZ1562	SPZ2500
SPZ1587	SPZ2650
SPZ1600	SPZ2800
SPZ1612	SPZ3000
SPZ1637	SPZ3150
SPZ1662	SPZ3350
SPZ1687	SPZ3550

SPA Red Power 3 belts  
are S = C Plus  
(Set Constant)



# 'A' Section V-Belts



Power Transmission

A - VB

Stock No.	Inside Length
A-16	407.0
A-18	457.0
A-19	480.0
A-20	508.0
A-21	535.0
A-22	560.0
A-23	575.0
A-23.5	600.0
A-24	610.0
A-25	630.0
A-26	650.0
A-26.5	670.0
A-27	686.0
A-27.5	700.0
A-28	710.0
A-29	730.0
A-29.5	750.0
A-30	767.0
A-31	775.0
A-31.5	800.0
A-32	813.0
A-32.5	825.0
A-33	841.0
A-34	850.0
A-34.5	875.0
A-35	889.0
A-35.5	900.0
A-36	914.0
A-37	925.0
A-37.5	950.0
A-38	965.0
A-38.5	975.0
A-39	1000.0
A-40	1016.0
A-40.5	1030.0
A-41	1041.0
A-41.5	1050.0
A-42	1060.0
A-42.5	1075.0
A-43	1100.0
A-43.5	1105.0
A-44	1120.0
A-45	1143.0
A-45.5	1150.0
A-46	1168.0

A - VB

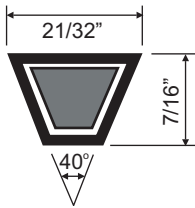
Stock No.	Inside Length
A-46.5	1180.0
A-47	1200.0
A-47.5	1215.0
A-48	1220.0
A-48.5	1225.0
A-49	1250.0
A-50	1270.0
A-51	1300.0
A-52	1320.0
A-53	1350.0
A-54	1375.0
A-55	1400.0
A-56	1422.0
A-57	1450.0
A-58	1475.0
A-59	1500.0
A-60	1525.0
A-61	1550.0
A-62	1575.0
A-63	1600.0
A-64	1625.0
A-65	1650.0
A-66	1676.0
A-67	1700.0
A-68	1725.0
A-69	1750.0
A-70	1775.0
A-71	1800.0
A-72	1825.0
A-73	1854.0
A-74	1880.0
A-75	1900.0
A-76	1930.0
A-77	1956.0
A-78	1980.0
A-79	2000.0
A-80	2032.0
A-81	2060.0
A-82	2083.0
A-83	2100.0
A-83.5	2120.0
A-84	2134.0
A-84.5	2150.0
A-85	2160.0
A-86.5	2220.0

A - VB

Stock No.	Inside Length
A-87	2210.0
A-88	2240.0
A-89	2261.0
A-90	2286.0
A-91	2311.0
A-92	2337.0
A-93	2360.0
A-94	2388.0
A-95	2413.0
A-96	2438.0
A-97	2464.0
A-98	2500.0
A100	2540.0
A102	2591.0
A104	2650.0
A105	2667.0
A107	2725.0
A108	2743.0
A110	2800.0
A112	2845.0
A114	2896.0
A116	2946.0
A118	3000.0
A120	3048.0
A124	3150.0
A128	3250.0
A132	3350.0
A136	3454.0
A140	3550.0
A144	3658.0
A148	3750.0
A158	4000.0
A167	4250.0
A187	4750.0
A197	5000.0

VB Belts in the range  
A - 46 to A197  
are S = C Plus (Set Constant)

# 'B' Section V-Belts



**B - VB**

Stock No.	Inside Length
B-23	570.0
B-24	615.0
B-25	630.0
B-26	650.0
B-26.5	670.0
B-27	686.0
B-28	710.0
B-29	725.0
B-30	750.0
B-31	775.0
B-32	800.0
B-32.5	825.0
B-33	836.0
B-34	850.0
B-34.5	875.0
B-35	889.0
B-36	900.0
B-37	925.0
B-37.5	950.0
B-38	965.0
B-38.5	975.0
B-39	1000.0
B-40	1016.0
B-40.5	1030.0
B-41	1040.0
B-41.5	1050.0
B-42	1060.0
B-42.5	1075.0
B-43	1090.0
B-43.25	1100.0
B-44	1120.0
B-45	1150.0
B-45.5	1163.0
B-46	1175.0
B-46.5	1180.0
B-47	1200.0
B-48	1215.0
B-48.5	1225.0
B-49	1250.0
B-50	1275.0
B-51	1300.0
B-52	1320.0
B-52.5	1335.0

**B - VB**

Stock No.	Inside Length
B-53	1350.0
B-53.5	1360.0
B-54	1372.0
B-55	1400.0
B-56	1422.0
B-57	1450.0
B-58	1473.0
B-59	1500.0
B-60	1525.0
B-61	1550.0
B-62	1575.0
B-63	1600.0
B-64	1625.0
B-65	1650.0
B-66	1676.0
B-67	1700.0
B-68	1725.0
B-69	1750.0
B-69.5	1761.0
B-70	1775.0
B-71	1800.0
B-72	1829.0
B-73	1850.0
B-74	1880.0
B-75	1900.0
B-76	1930.0
B-77	1950.0
B-78	1981.0
B-79	2000.0
B-80	2032.0
B-81	2060.0
B-82	2083.0
B-83	2100.0
B-83.5	2120.0
B-84	2134.0
B-85	2160.0
B-86	2200.0
B-87	2210.0
B-88	2240.0
B-89	2261.0
B-90	2286.0
B-91	2300.0
B-92	2337.0

**B - VB**

Stock No.	Inside Length
B-93	2360.0
B-94	2388.0
B-94.5	2400.0
B-95	2413.0
B-96	2438.0
B-96.5	2450.0
B-97	2465.0
B-98	2500.0
B-99	2515.0
B100	2540.0
B101	2565.0
B102	2600.0
B103	2616.0
B104	2650.0
B105	2667.0
B106	2700.0
B107	2718.0
B108	2750.0
B110	2800.0
B112	2845.0
B114	2900.0
B115	2921.0
B116	2950.0
B118	3000.0
B120	3048.0
B122	3099.0
B124	3150.0
B126	3200.0
B128	3250.0
B130	3302.0
B132	3350.0
B134	3404.0
B136	3450.0
B138	3505.0
B140	3550.0
B142	3600.0
B144	3658.0
B146	3700.0
B148	3750.0
B150	3810.0
B151	3850.0
B152	3861.0
B154	3912.0

**B - VB**

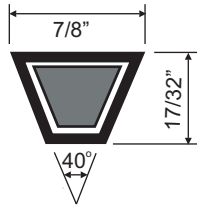
Stock No.	Inside Length
B155	3950.0
B156	3962.0
B158	4000.0
B160	4064.0
B162	4115.0
B165	4200.0
B167	4250.0
B173	4394.0
B175	4450.0
B177	4500.0
B180	4572.0
B187	4750.0
B195	4953.0
B197	5000.0
B208	5300.0
B210	5334.0
B220	5600.0
B236	6000.0
B240	6096.0
B248	6300.0
B264	6700.0
B276	7000.0
B280	7100.0

VB Belts in the range  
A - 46 to A197  
are S = C Plus  
(Set Constant)

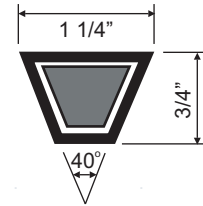
# 'C' & 'D' Section V-Belts



**Power Transmission**



**C - VB**



**D - VB**

**C - VB**

**C - VB**

Stock No.	Inside Length
C-43	1090.0
C-47	1200.0
C-48	1215.0
C-49	1250.0
C-51	1295.0
C-52	1320.0
C-53	1350.0
C-54	1375.0
C-55	1400.0
C-56	1425.0
C-57	1450.0
C-58	1475.0
C-59	1500.0
C-60	1524.0
C-61	1550.0
C-62	1574.0
C-63	1600.0
C-65	1650.0
C-66	1676.0
C-67	1700.0
C-68	1727.0
C-69	1750.0
C-70	1778.0
C-71	1800.0
C-72	1829.0
C-73	1854.0
C-74	1880.0
C-75	1900.0
C-76	1930.0
C-77	1956.0
C-78	1981.0
C-79	2000.0
C-80	2032.0
C-81	2060.0
C-82	2083.0
C-83	2108.0
C-83.5	2120.0
C-84	2134.0
C-85	2159.0
C-86	2184.0
C-87	2210.0
C-88	2240.0
C-89	2261.0

Stock No.	Inside Length
C-90	2286.0
C-92	2337.0
C-93	2360.0
C-94	2388.0
C-95	2413.0
C-96	2438.0
C-96.5	2450.0
C-97	2464.0
C-98	2500.0
C-99	2525.0
C100	2540.0
C101	2560.0
C102	2591.0
C104	2642.0
C105	2667.0
C106	2692.0
C108	2750.0
C110	2800.0
C112	2845.0
C114	2896.0
C115	2921.0
C116	2950.0
C117	2965.0
C118	3000.0
C120	3048.0
C122	3099.0
C124	3150.0
C126	3200.0
C128	3250.0
C130	3302.0
C132	3350.0
C134	3404.0
C136	3450.0
C138	3505.0
C140	3550.0
C142	3607.0
C144	3658.0
C146	3700.0
C148	3750.0
C150	3810.0
C158	4000.0
C162	4100.0
C166	4216.0

Stock No.	Inside Length
C167	4250.0
C168	4267.0
C170	4318.0
C173	4394.0
C175	4445.0
C177	4500.0
C180	4572.0
C187	4750.0
C190	4826.0
C195	4953.0
C197	5000.0
C208	5300.0
C210	5334.0
C220	5600.0
C225	5715.0
C236	6000.0
C240	6096.0
C248	6300.0
C264	6700.0
C270	6858.0
C280	7100.0
C295	7500.0
C300	7620.0
C315	8000.0

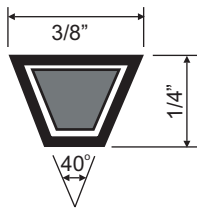
VB Belts in the range  
C - 47 to C315  
and D - 79 to D 394  
are S = C Plus  
(Set Constant)

Stock No.	Inside Length
D-79	2000.0
D-98	2500.0
D104	2650.0
D110	2800.0
D118	3000.0
D120	3048.0
D124	3150.0
D128	3251.0
D132	3350.0
D135	3425.0
D136	3454.0
D140	3550.0
D144	3658.0
D148	3750.0
D154	3925.0
D158	4000.0
D162	4115.0
D167	4250.0
D173	4394.0
D177	4500.0
D180	4572.0
D167	4750.0
D195	4953.0
D197	5000.0
D208	5300.0
D210	5334.0
D220	5600.0
D225	5715.0
D236	6000.0
D240	6096.0
D248	6300.0
D264	6700.0
D270	6858.0
D280	7100.0
D295	7500.0
D300	7620.0
D315	8000.0
D330	8382.0
D335	8500.0
D354	9000.0
D374	9500.0
D394	10000.0
D441	11200.0

# 'Z' Section V-Belts



Power Transmission



Z - VB

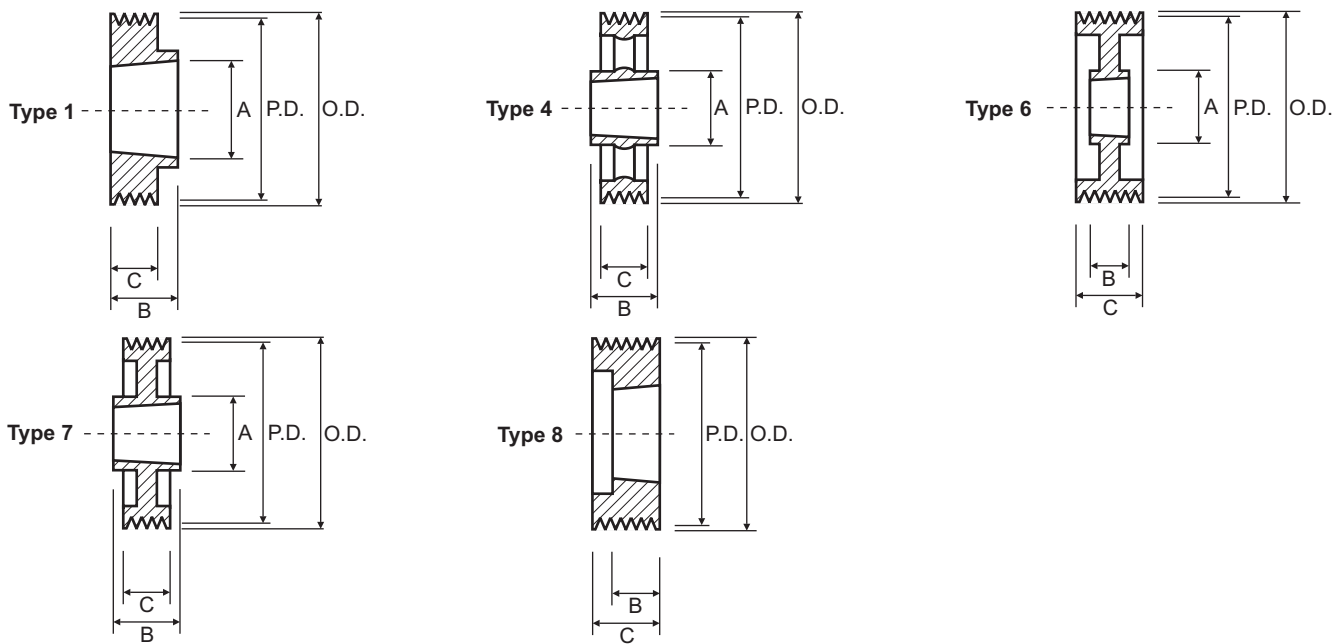
Stock No.	Inside Length
Z11	290.0
Z12.5	315.0
Z14	375.0
Z15	400.0
Z16	425.0
Z17	450.0
Z18	475.0
Z19	480.0
Z19.75	500.0
Z20	515.0
Z20.5	525.0
Z21	530.0
Z21.25	540.0
Z22	560.0
Z23	575.0
Z24	600.0
Z25	630.0
Z26	650.0
Z27	670.0
Z27.5	700.0
Z28	710.0
Z28.5	725.0
Z29	730.0
Z29.5	750.0
Z30	765.0
Z31	775.0
Z31.5	800.0
Z32	820.0
Z33	825.0
Z33.5	850.0
Z34	865.0
Z35	875.0
Z36	900.0
Z37	925.0
Z38	950.0
Z38.5	975.0
Z39	1000.0
Z40	1016.0
Z40.5	1030.0
Z41	1041.0
Z41.5	1050.0
Z42	1060.0
Z43	1080.0

Z - VB

Stock No.	Inside Length
Z43.25	1100.0
Z44	1120.0
Z45	1150.0
Z46	1165.0
Z46.5	1180.0
Z47	1194.0
Z48	1215.0
Z48.5	1225.0
Z49	1250.0
Z50	1270.0
Z51	1295.0
Z52	1320.0
Z53	1346.0
Z54	1371.0
Z55	1400.0
Z56	1422.0
Z57	1450.0
Z58	1475.0
Z59	1500.0
Z60	1524.0
Z61	1550.0
Z62	1575.0
Z63	1600.0
Z64	1626.0
Z65	1651.0
Z66	1675.0
Z67	1700.0
Z68	1725.0
Z69	1750.0
Z70	1775.0
Z71	1800.0
Z73	1850.0
Z75	1900.0
Z78	1975.0
Z79	2000.0
Z83.5	2120.0
Z88	2240.0
Z93	2360.0
Z98	2500.0

VB Belts in the range  
Z61 to Z98  
are S = C Plus  
(Set Constant)

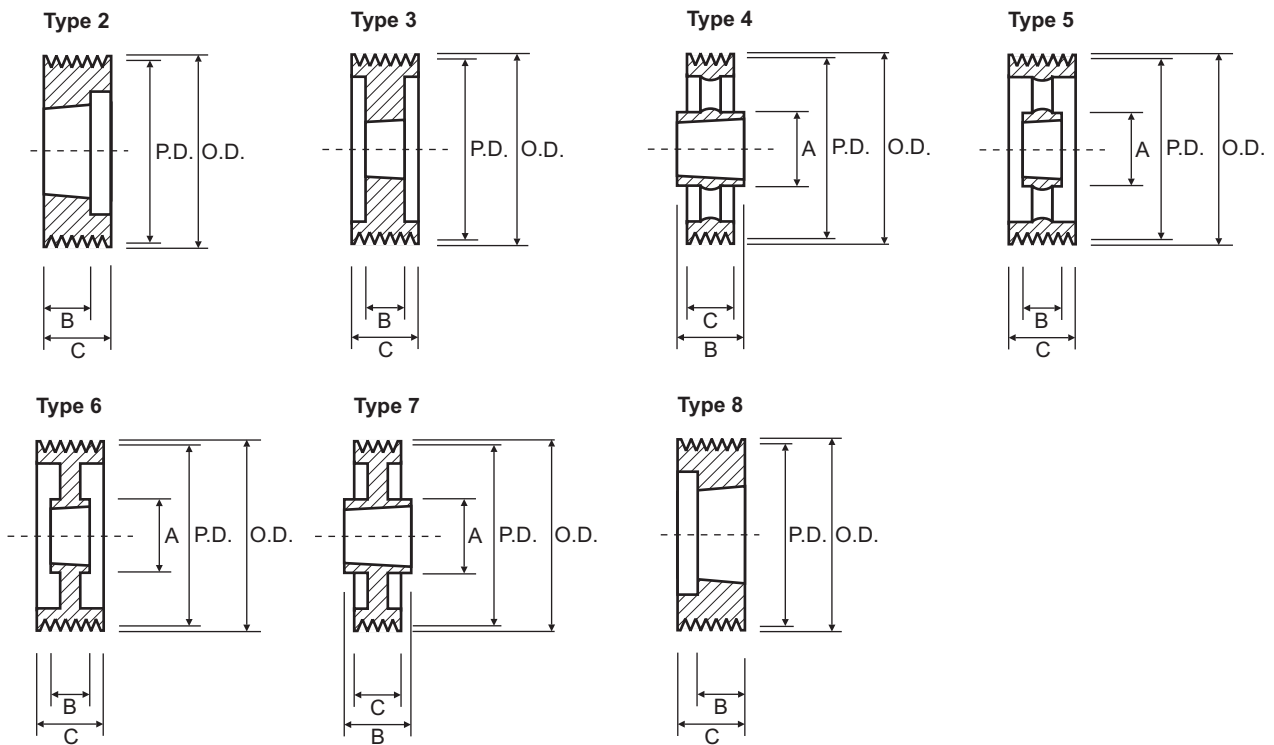
# SPA Taper Bore V-Pulleys 1 & 2 Groove



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-63mm x 1	68.5	1	1008	55.0	22.2	SPA-63mm x 2	68.5	8	1008	-	22.2
SPA-67mm x 1	72.5	1	1008	57.0	22.2	SPA-67mm x 2	72.5	8	1108	-	22.2
SPA-71mm x 1	76.5	1	1108	60.0	22.2	SPA-71mm x 2	76.5	8	1108	-	22.2
SPA-75mm x 1	80.5	1	1108	60.0	22.2	SPA-75mm x 2	80.5	8	1108	-	22.2
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	2012	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

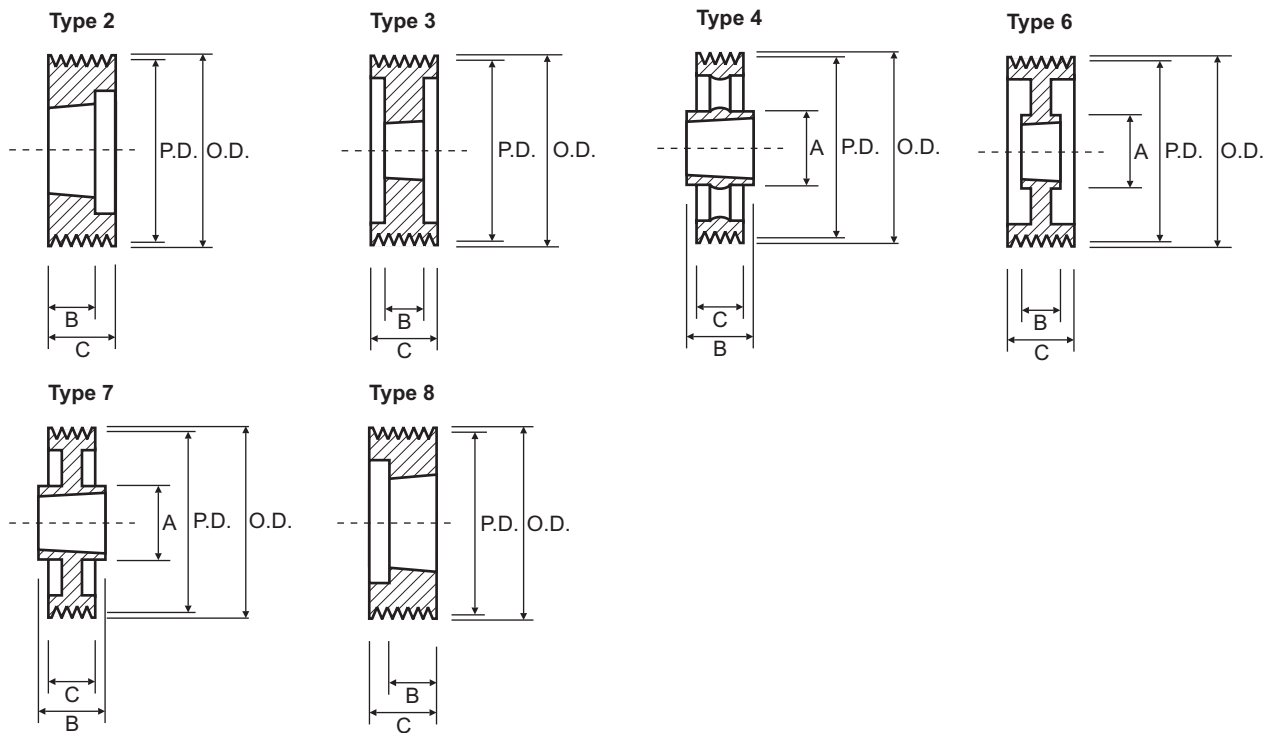
# SPA Taper Bore V-Pulleys 3 & 4 Groove



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-71mm x 3	76.5	8	1108	-	22.2	SPA-90mm x 4	95.5	3	1615	-	38.0
SPA-75mm x 3	80.5	8	1108	-	22.2	SPA-95mm x 4	100.5	3	1615	-	38.0
SPA-80mm x 3	85.5	8	1210	-	25.0	SPA 100mm x 4	105.5	2	1615	-	38.0
SPA-85mm x 3	90.5	8	1210	-	25.0	SPA 106mm x 4	111.5	8	2012	-	32.0
SPA-90mm x 3	95.5	8	1610	-	25.0	SPA 112mm x 4	117.5	8	2012	-	32.0
SPA-95mm x 3	100.5	8	1610	-	25.0	SPA 118mm x 4	123.5	2	2012	-	32.0
SPA 100mm x 3	105.5	8	1610	-	25.0	SPA 125mm x 4	130.5	2	2012	-	32.0
SPA 106mm x 3	111.5	8	1610	-	25.0	SPA 132mm x 4	137.5	2	2517	-	45.0
SPA 112mm x 3	117.5	8	2012	-	32.0	SPA 140mm x 4	145.5	2	2517	-	45.0
SPA 118mm x 3	123.5	2	2012	-	32.0	SPA 150mm x 4	155.5	2	2517	-	45.0
SPA 125mm x 3	130.5	2	2012	-	32.0	SPA 160mm x 4	165.5	2	2517	-	45.0
SPA 132mm x 3	137.5	2	2012	-	32.0	SPA 170mm x 4	175.5	2	2517	-	45.0
SPA 140mm x 3	145.5	8	2517	-	45.0	SPA 180mm x 4	185.5	2	2517	-	45.0
SPA 150mm x 3	155.5	8	2517	-	45.0	SPA 190mm x 4	195.5	2	2517	-	45.0
SPA 160mm x 3	165.5	8	2517	-	45.0	SPA 200mm x 4	205.5	2	3020	-	51.0
SPA 170mm x 3	175.5	8	2517	-	45.0	SPA 224mm x 4	229.5	2	3020	-	51.0
SPA 180mm x 3	185.5	8	2517	-	45.0	SPA 236mm x 4	241.5	6	3020	147.0	51.0
SPA 190mm x 3	195.5	8	2517	-	45.0	SPA 250mm x 4	255.5	6	3020	159.0	51.0
SPA 200mm x 3	205.5	6	2517	123.0	45.0	SPA 280mm x 4	285.5	6	3020	159.0	51.0
SPA 224mm x 3	229.5	6	2517	124.0	45.0	SPA 315mm x 4	320.5	6	3020	159.0	51.0
SPA 236mm x 3	241.5	6	2517	120.0	45.0	SPA 355mm x 4	360.5	5	3020	159.0	51.0
SPA 250mm x 3	255.5	6	2517	124.0	45.0	SPA 400mm x 4	405.5	5	3020	159.0	51.0
SPA 280mm x 3	285.5	6	2517	124.0	45.0	SPA 500mm x 4	505.5	5	3020	159.0	51.0
SPA 315mm x 3	320.5	7	3020	159.0	51.0						
SPA 355mm x 3	360.5	4	3020	159.0	51.0						
SPA 400mm x 3	405.5	4	3020	159.0	51.0						
SPA 500mm x 3	505.5	4	3020	159.0	51.0						

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

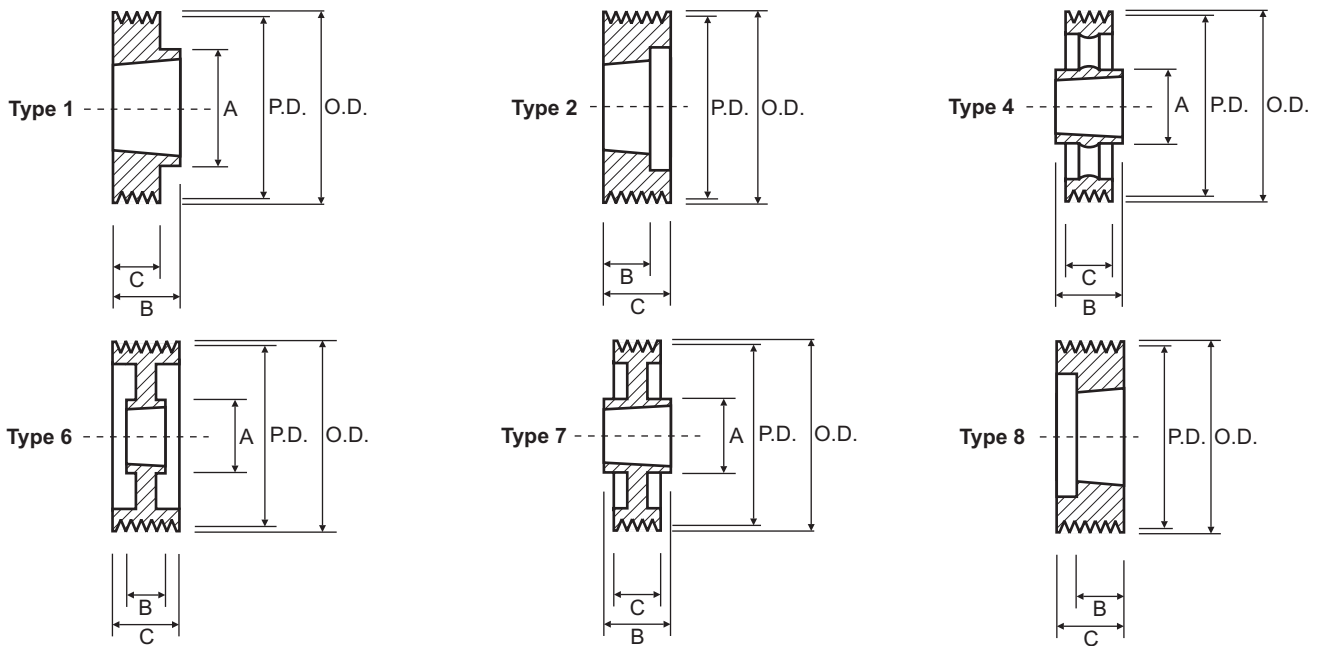
# SPA Taper Bore V-Pulleys 5 Groove



5 Groove					
C = 80.0					
Part No.	O.D.	Type	Bush	A	B
SPA100mm x 5	105.5	2	1615	-	38.0
SPA106mm x 5	111.5	8	2012	-	32.0
SPA112mm x 5	117.5	8	2012	-	32.0
SPA118mm x 5	123.5	2	2012	-	32.0
SPA125mm x 5	130.5	3	2012	-	32.0
SPA132mm x 5	137.5	3	2517	-	45.0
SPA140mm x 5	145.5	3	2517	-	45.0
SPA150mm x 5	155.5	3	2517	-	45.0
SPA160mm x 5	165.5	3	2517	-	45.0
SPA170mm x 5	175.5	3	2517	-	45.0
SPA180mm x 5	185.5	3	3020	-	51.0
SPA190mm x 5	195.5	3	3020	-	51.0
SPA200mm x 5	205.5	3	3020	-	51.0
SPA224mm x 5	229.5	8	3020	-	51.0
SPA236mm x 5	241.5	6	3020	145.0	51.0
SPA250mm x 5	255.5	6	3020	159.0	51.0
SPA280mm x 5	285.5	7	3535	178.0	89.0
SPA315mm x 5	320.5	7	3535	178.0	89.0
SPA400mm x 5	405.5	4	3535	178.0	89.0
SPA500mm x 5	505.5	4	3535	178.0	89.0

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

# SPB Taper Bore V-Pulleys 1 & 2 Groove

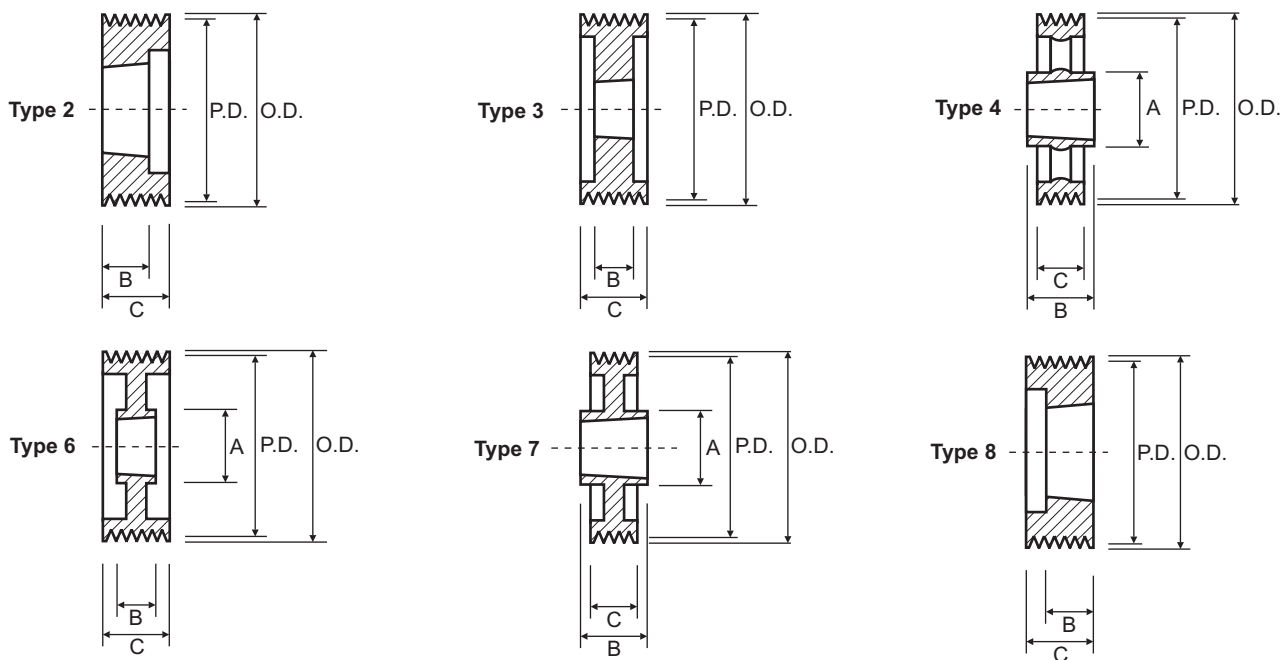


1 Groove						2 Groove					
C = 25.0						C = 44.0					
Part No.	O.D.	Type	Bush	A	B	Part No.	O.D.	Type	Bush	A	B
SPB-80mm x 1	87.0	1	1108	-	22.2	SPB-80mm x 2	87.0	8	1108	-	22.2
SPB-85mm x 1	92.0	1	1108	-	22.2	SPB-85mm x 2	92.0	8	1108	-	22.2
SPB-90mm x 1	97.0	1	1210	-	25.0	SPB-90mm x 2	97.0	8	1108	-	22.2
SPB-95mm x 1	102.0	1	1210	-	25.0	SPB-95mm x 2	102.0	8	1210	-	25.0
SPB100mm x 1	107.0	1	1610	-	25.0	SPB100mm x 2	107.0	8	1610	-	25.0
SPB106mm x 1	113.0	1	1610	-	25.0	SPB106mm x 2	113.0	8	1610	-	25.0
SPB112mm x 1	119.0	1	1610	-	25.0	SPB112mm x 2	119.0	8	1610	-	25.0
SPB118mm x 1	125.0	1	1610	-	25.0	SPB118mm x 2	125.0	2	1610	-	25.0
SPB125mm x 1	132.0	1	1610	-	25.0	SPB125mm x 2	132.0	2	2012	-	32.0
SPB132mm x 1	139.0	1	1610	-	25.0	SPB132mm x 2	139.0	2	2012	-	32.0
SPB140mm x 1	147.0	1	1610	-	25.0	SPB140mm x 2	147.0	2	2012	-	32.0
SPB150mm x 1	157.0	6	1610	80.0	25.0	SPB150mm x 2	157.0	2	2012	-	32.0
SPB160mm x 1	167.0	6	1610	80.0	25.0	SPB160mm x 2	167.0	2	2012	-	32.0
SPB170mm x 1	177.0	6	1610	80.0	25.0	SPB170mm x 2	177.0	2	2012	-	32.0
SPB180mm x 1	187.0	6	1610	80.0	25.0	SPB180mm x 2	187.0	1	2517	117.0	45.0
SPB190mm x 1	197.0	7	2012	100.0	32.0	SPB190mm x 2	197.0	1	2517	117.0	45.0
SPB200mm x 1	207.0	7	2012	100.0	32.0	SPB200mm x 2	207.0	1	2517	117.0	45.0
SPB212mm x 1	219.0	7	2012	100.0	32.0	SPB212mm x 2	219.0	1	2517	117.0	45.0
SPB224mm x 1	231.0	7	2012	100.0	32.0	SPB224mm x 2	231.0	7	2517	117.0	45.0
SPB236mm x 1	243.0	7	2012	100.0	32.0	SPB236mm x 2	243.0	7	2517	117.0	45.0
SPB250mm x 1	257.0	7	2012	100.0	32.0	SPB250mm x 2	257.0	7	2517	117.0	45.0
SPB280mm x 1	287.0	4	2012	100.0	32.0	SPB280mm x 2	287.0	4	2517	117.0	45.0
SPB300mm x 1	307.0	4	2012	100.0	32.0	SPB300mm x 2	307.0	4	2517	117.0	45.0
SPB315mm x 1	322.0	4	2012	100.0	32.0	SPB315mm x 2	322.0	7	2517	117.0	45.0
						SPB355mm x 2	362.0	4	3020	144.0	51.0
						SPB400mm x 2	407.0	4	3020	144.0	51.0
						SPB450mm x 2	457.0	4	3020	144.0	51.0
						SPB500mm x 2	507.0	4	3020	144.0	51.0
						SPB560mm x 2	567.0	4	3020	144.0	76.0
						SPB630mm x 2	637.0	4	3020	144.0	76.0

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



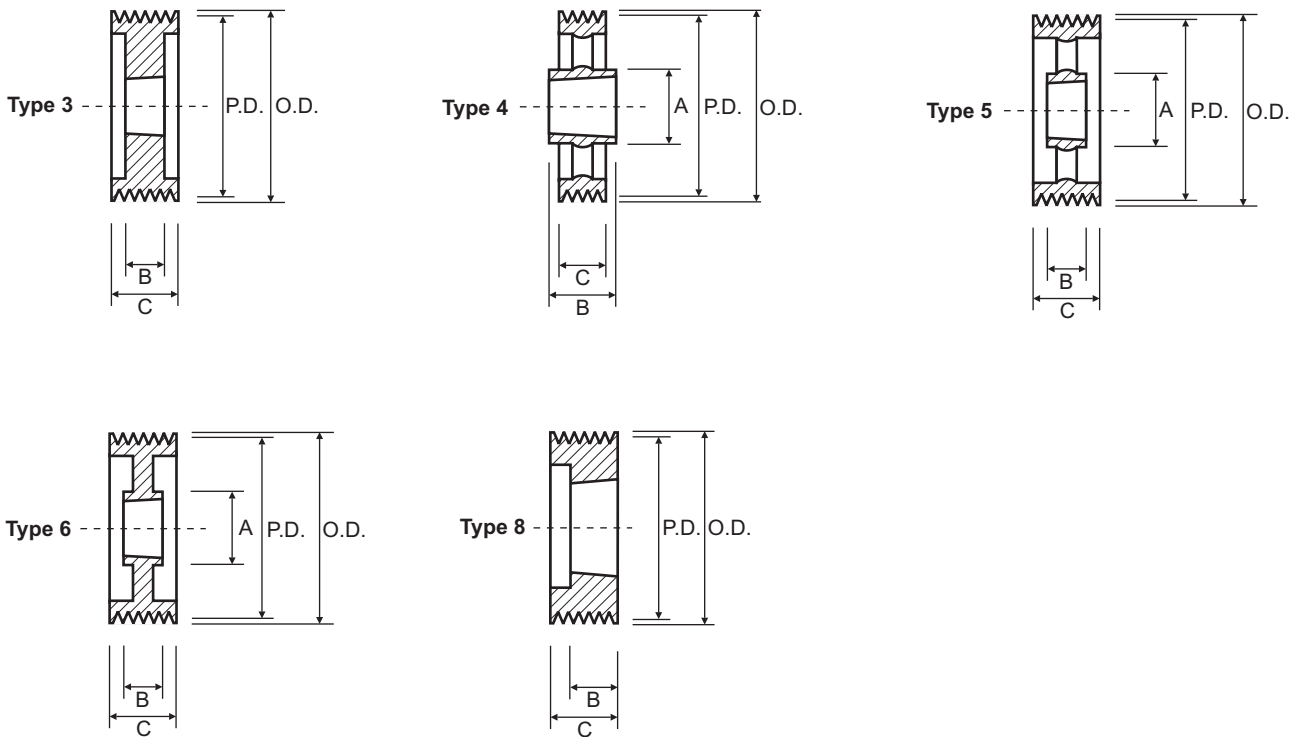
# SPB Taper Bore V-Pulleys 3 & 4 Groove



3 Groove						4 Groove					
C = 63.0						C = 82.0					
Part No.	O.D.	Type	Bush	A	B	Part No.	O.D.	Type	Bush	A	B
SPB-95mm x 3	102.0	8	1210	-	25.0	SPB125mm x 4	132.0	3	2012	-	32.0
SPB100mm x 3	107.0	8	1610	-	25.0	SPB132mm x 4	139.0	3	2012	-	32.0
SPB106mm x 3	113.0	8	1610	-	25.0	SPB140mm x 4	147.0	3	2517	-	45.0
SPB112mm x 3	119.0	8	1610	-	25.0	SPB150mm x 4	157.0	3	2517	-	45.0
SPB118mm x 3	125.0	2	1610	-	25.0	SPB160mm x 4	167.0	3	2517	-	45.0
SPB125mm x 3	132.0	2	2012	-	32.0	SPB170mm x 4	177.0	3	2517	-	45.0
SPB132mm x 3	139.0	2	2012	-	32.0	SPB180mm x 4	187.0	3	2517	-	45.0
SPB140mm x 3	147.0	2	2012	-	32.0	SPB190mm x 4	197.0	3	2517	-	45.0
SPB150mm x 3	157.0	2	2517	-	45.0	SPB200mm x 4	207.0	3	3020	-	51.0
SPB160mm x 3	167.0	2	2517	-	45.0	SPB212mm x 4	219.0	3	3020	-	51.0
SPB170mm x 3	177.0	2	2517	-	45.0	SPB224mm x 4	231.0	3	3020	-	51.0
SPB180mm x 3	187.0	2	2517	-	45.0	SPB236mm x 4	243.0	6	3020	-	51.0
SPB190mm x 3	197.0	2	2517	-	45.0	SPB250mm x 4	257.0	6	3020	144.0	51.0
SPB200mm x 3	207.0	6	2517	117.0	45.0	SPB280mm x 4	287.0	6	3020	144.0	51.0
SPB212mm x 3	219.0	6	2517	117.0	45.0	SPB300mm x 4	307.0	7	3535	144.0	51.0
SPB224mm x 3	231.0	6	2517	117.0	45.0	SPB315mm x 4	322.0	7	3535	187.0	89.0
SPB236mm x 3	243.0	6	2517	117.0	45.0	SPB355mm x 4	362.0	7	3535	187.0	89.0
SPB250mm x 3	257.0	6	3020	144.0	51.0	SPB400mm x 4	407.0	4	3535	187.0	89.0
SPB280mm x 3	287.0	6	3020	144.0	51.0	SPB450mm x 4	457.0	4	3535	187.0	89.0
SPB300mm x 3	307.0	6	3535	144.0	51.0	SPB500mm x 4	507.0	4	3535	187.0	89.0
SPB315mm x 3	322.0	6	3020	144.0	51.0	SPB560mm x 4	567.0	4	3535	187.0	89.0
SPB355mm x 3	362.0	5	3020	144.0	51.0	SPB630mm x 4	637.0	4	3535	187.0	89.0
SPB400mm x 3	407.0	4	3535	187.0	89.0	SPB800mm x 4	807.0	4	4040	216.0	102.0
SPB450mm x 3	457.0	4	3535	187.0	89.0	SPB1000mm x 4	1007.0	4	4040	216.0	102.0
SPB500mm x 3	507.0	4	3535	187.0	89.0	SPB1250mm x 4	1257.0	4	4545	242.0	114.0
SPB560mm x 3	567.0	4	3535	187.0	89.0						
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

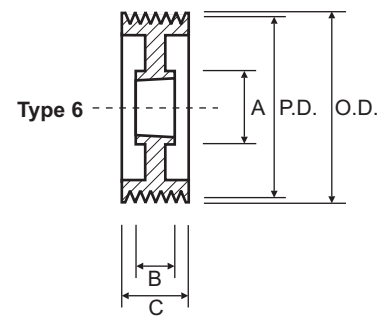
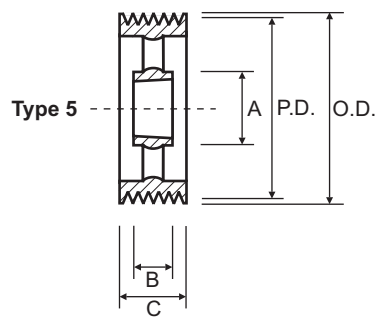
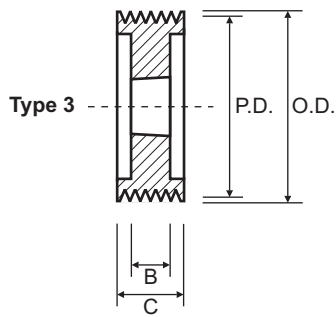
# SPB Taper Bore V-Pulleys 5 & 6 Groove



5 Groove						6 Groove					
Part No.	O.D.	Type	Bush	C = 101.0		Part No.	O.D.	Type	Bush	C = 120.0	
				A	B					A	B
SPB125mm x 5	132.0	8	2012	-	32.0	SPB140mm x 6	147.0	3	2517	-	45.0
SPB132mm x 5	139.0	8	2517	-	45.0	SPB150mm x 6	157.0	3	2517	-	45.0
SPB140mm x 5	147.0	3	2517	-	45.0	SPB160mm x 6	167.0	3	3020	-	51.0
SPB150mm x 5	157.0	3	2517	-	45.0	SPB170mm x 6	177.0	3	3020	-	51.0
SPB160mm x 5	167.0	3	2517	-	45.0	SPB180mm x 6	187.0	3	3020	-	51.0
SPB170mm x 5	177.0	3	3020	-	51.0	SPB190mm x 6	197.0	3	3020	-	51.0
SPB180mm x 5	187.0	3	3020	-	51.0	SPB200mm x 6	207.0	3	3020	-	51.0
SPB190mm x 5	197.0	3	3020	-	51.0	SPB212mm x 6	219.0	3	3535	-	89.0
SPB200mm x 5	207.0	3	3020	-	51.0	SPB224mm x 6	231.0	3	3535	-	89.0
SPB212mm x 5	219.0	3	3020	-	51.0	SPB236mm x 6	243.0	3	3535	-	89.0
SPB224mm x 5	231.0	3	3020	-	51.0	SPB250mm x 6	257.0	3	3535	-	89.0
SPB236mm x 5	243.0	3	3535	-	89.0	SPB280mm x 6	287.0	6	3535	187.0	89.0
SPB250mm x 5	257.0	3	3535	-	89.0	SPB300mm x 6	307.0	6	3535	187.0	89.0
SPB280mm x 5	287.0	6	3535	187.0	89.0	SPB315mm x 6	322.0	6	3535	187.0	89.0
SPB300mm x 5	307.0	6	3535	187.0	89.0	SPB355mm x 6	362.0	5	3535	187.0	89.0
SPB315mm x 5	322.0	6	3535	187.0	89.0	SPB400mm x 6	407.0	5	3535	187.0	89.0
SPB355mm x 5	362.0	5	3535	187.0	89.0	SPB450mm x 6	457.0	5	4040	216.0	102.0
SPB400mm x 5	407.0	5	3535	187.0	89.0	SPB500mm x 6	507.0	5	4040	216.0	102.0
SPB450mm x 5	457.0	5	3535	187.0	89.0	SPB560mm x 6	567.0	5	4040	216.0	102.0
SPB500mm x 5	507.0	5	3535	187.0	89.0	SPB630mm x 6	637.0	5	4040	216.0	102.0
SPB560mm x 5	567.0	4	4040	216.0	102.0	SPB800mm x 6	807.0	5	4545	242.0	114.0
SPB630mm x 5	637.0	4	4040	216.0	102.0	SPB1000mm x 6	1007.0	5	4545	242.0	114.0
SPB800mm x 5	807.0	4	4040	216.0	102.0	SPB1250mm x 6	1257.0	5	4545	242.0	114.0
SPB1000mm x 5	1007.0	4	4545	242.0	114.0						
SPB1250mm x 5	1257.0	4	4545	242.0	114.0						

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

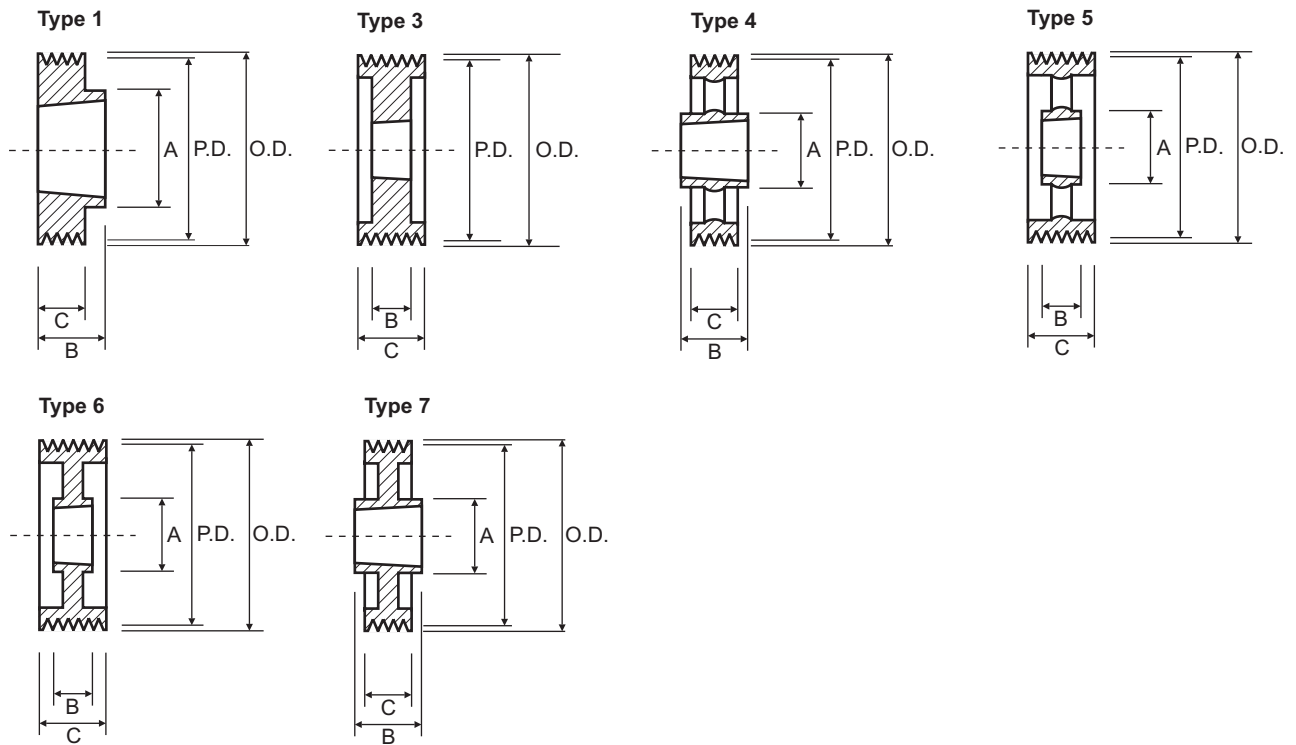
# SPB Taper Bore V-Pulleys 8 Groove



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

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

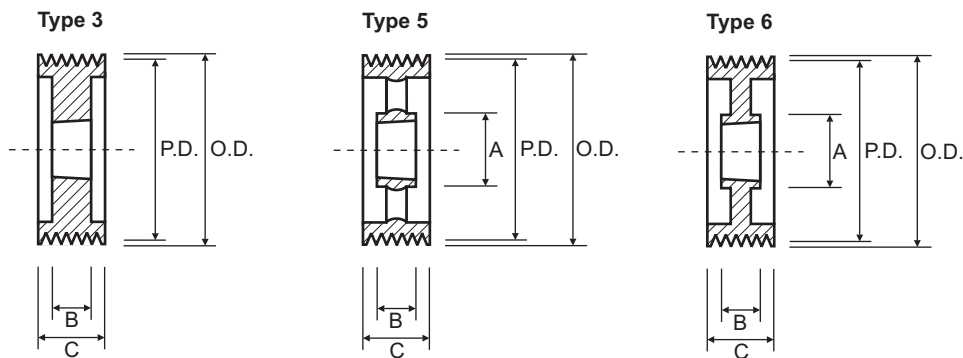
# SPC Taper Bore V-Pulleys 3 & 4 Groove



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

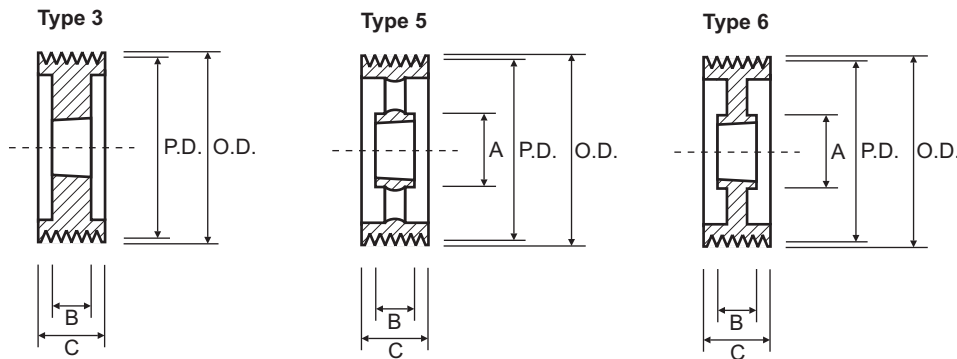
# SPC Taper Bore V-Pulleys 5 & 6 Groove



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

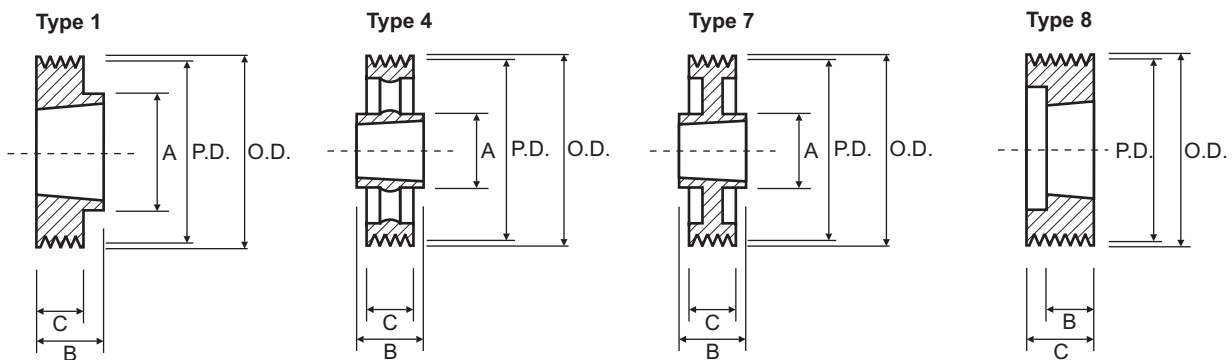
# SPC Taper Bore V-Pulleys 8 Grooves



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

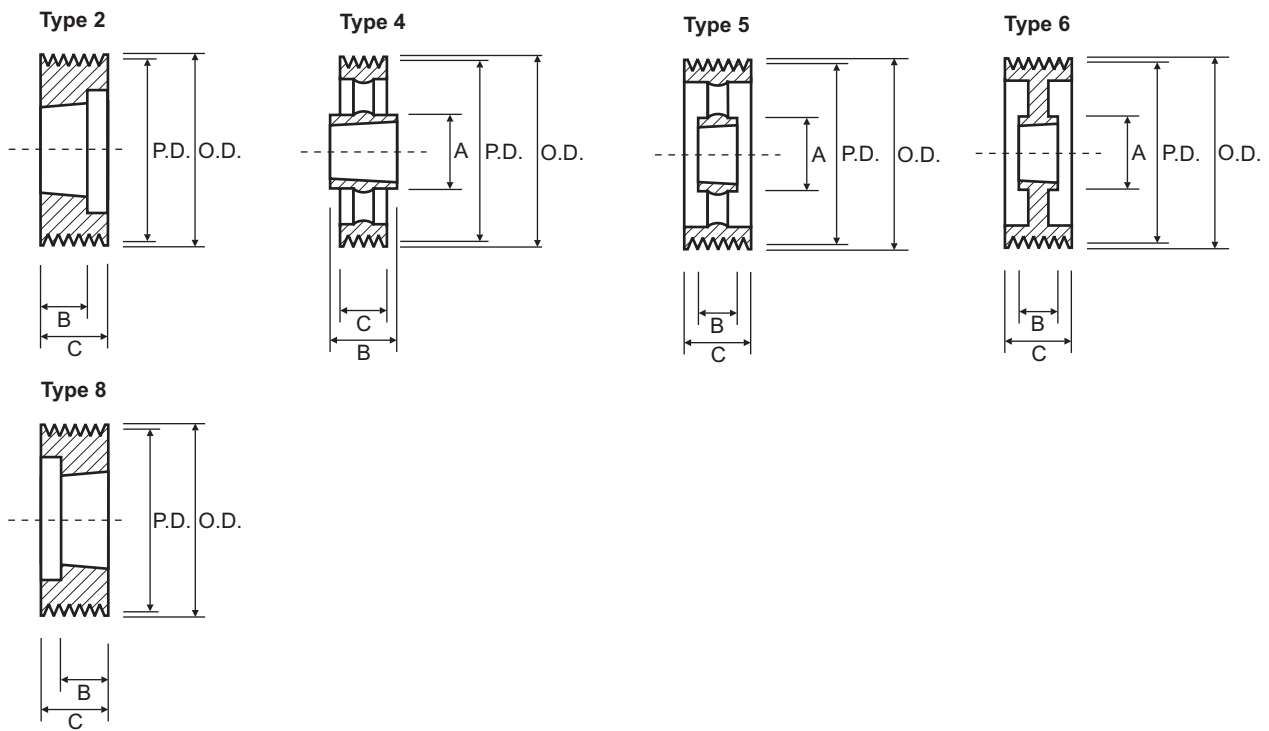
# SPZ Taper Bore V-Pulleys 1 & 2 Groove



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-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 V-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	2012	-	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	2517	124.0	45.0						
SPZ315mm x 3	319.0	4	2517	124.0	45.0						
SPZ355mm x 3	359.0	4	2517	124.0	45.0						

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



# 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

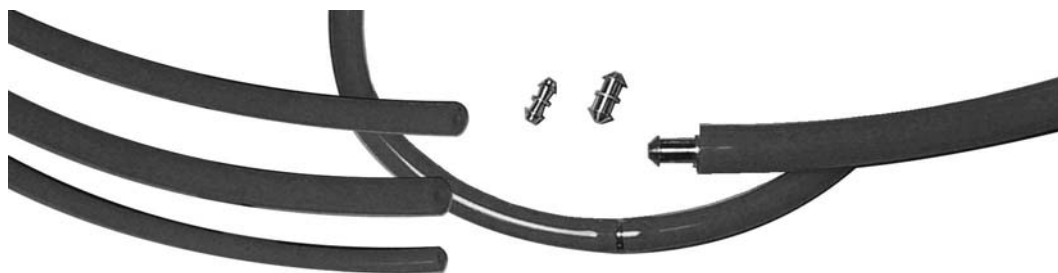
Nu-T-Link & Super-T-Link is well established throughout the world as the V-belt that successfully overcomes many of the problems previously associated with standard V-belts. By utilising a composite polyurethane and polyester material Nu-T-Link & Super-T-Link ensures an extended operational life over 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



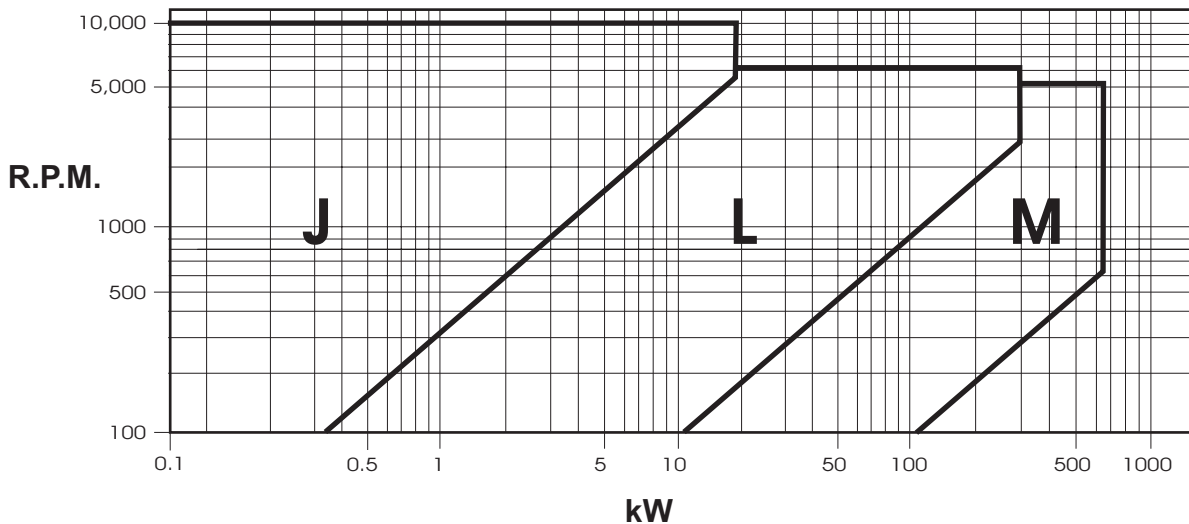
# Poly-V Pulleys & Belt Drives



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

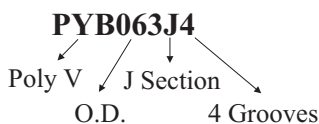
To identify a Poly-V pulley the following information must be known:

**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



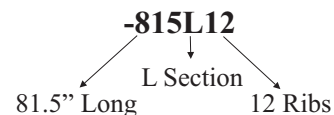
### Identifying a Poly-V Belt

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.



# 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 ribbed belt combines the high flexibility of flat belts with the high performance of V-belts. The V-shaped parallel ribs are made from a wear-resistant rubber compound. The high strength tension cord is designed for the many applications of ribbed belt. It is embedded in a rubber adhesive mixture and covers the entire width of the ribbed belt. Fiber reinforced, wear resistant rubber compounds ensure quiet operation, oil and heat resistance and a long belt life.

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.

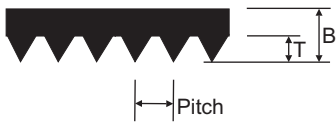
All of the pulleys that Naismith Engineering carry are made in Cast Iron, the smaller pulleys have blank or pilot bores while the larger ones are machined to suit a taper lock. Poly-V belts should be run on grooved pulleys for the best transmission of power, however flat pulleys can be used as idlers 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.



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



Power Transmission



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

## 'J' Section

## 'L' Section

Stock No.	Effective Length
-110J	280.0
-130J	330.0
-140J	356.0
-150J	381.0
-160J	406.0
-170J	432.0
-180J	457.0
-190J	483.0
-200J	508.0
-220J	559.0
-230J	584.0
-240J	610.0
-260J	660.0
-280J	711.0
-285J	723.0
-300J	762.0
-320J	813.0
-329J	836.0
-340J	864.0
-360J	914.0
-369J	938.0
-376J	955.0
-380J	965.0
-400J	1016.0
-430J	1092.0
-435J	1105.0
-442J	1123.0
-445J	1130.0
-453J	1150.0
-460J	1168.0

Stock No.	Effective Length
-473J	1200.0
-480J	1222.0
-490J	1244.0
-500J	1270.0
-515J	1309.0
-520J	1321.0
-534J	1355.0
-550J	1397.0
-562J	1428.0
-580J	1473.0
-610J	1549.0
-630J	1600.0
-650J	1651.0
-690J	1752.0
-730J	1854.0
-752J	1910.0
-760J	1930.0
-770J	1956.0
-785J	1992.0
-820J	2083.0
-870J	2210.0
-920J	2337.0
-980J	2489.0
Standard widths of:-	
4 Ribs	
8 Ribs	
12 Ribs	
16 Ribs	
Off standard widths are available on request.	

Stock No.	Effective Length
-500L	1270.0
-525L	1333.0
-540L	1371.0
-550L	1397.0
-560L	1422.0
-615L	1562.0
-635L	1613.0
-655L	1664.0
-675L	1715.0
-695L	1764.0
-710L	1803.0
-725L	1841.0
-765L	1943.0
-780L	1981.0
-795L	2020.0
-815L	2070.0
-825L	2096.0
-840L	2134.0
-865L	2197.0
-880L	2235.0
-915L	2324.0
-930L	2362.0
-975L	2476.0
-990L	2515.0
1065L	2705.0
1080L	2743.0

Stock No.	Effective Length
1120L	2845.0
1140L	2895.0
1150L	2921.0
1180L	2997.0
1215L	3086.0
1230L	3124.0
1295L	3289.0
1310L	3327.0
1375L	3492.0
1455L	3696.0
1595L	4051.0
1650L	4191.0
1760L	4470.0
1820L	4622.0
1980L	5029.0
2120L	5385.0
2400L	6096.0
Standard widths of:-	
6 Ribs	
8 Ribs	
10 Ribs	
12 Ribs	
16 Ribs	
20 Ribs	
Off standard widths are available on request.	

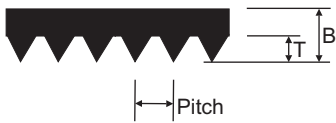
840L16 = 84.0" (2134mm Long), 16 Ribs

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

# 'M' Section Poly-V Belts



**Power Transmission**



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

## 'M' Section

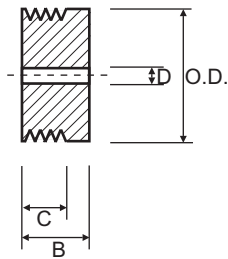
Stock No.	Effective Length
-900M	2286.0
-940M	2388.0
-990M	2515.0
1060M	2693.0
1115M	2832.0
1150M	2921.0
1185M	3010.0
1230M	3124.0
1310M	3327.0
1390M	3531.0
1470M	3734.0
1610M	4089.0
1650M	4191.0
1760M	4470.0
1830M	4648.0
1980M	5029.0
2130M	5410.0
2410M	6121.0

Stock No.	Effective 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.	

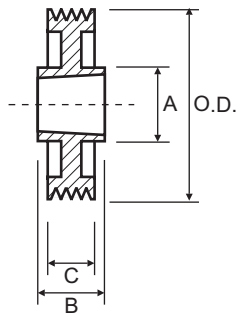
1310M8 = 131.0" (3327mm Long), 8 Ribs

# 'J' Section Poly-V Pulleys 4 Groove

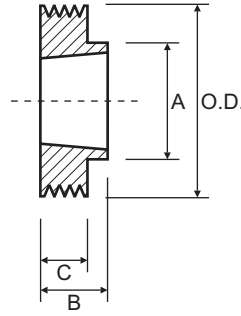
Type 1



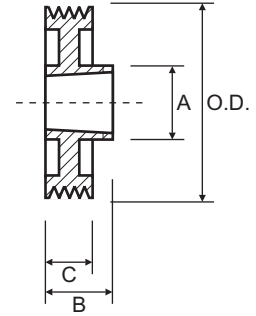
Type 6



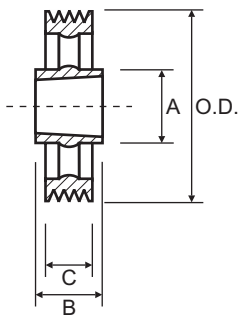
Type 7



Type 8

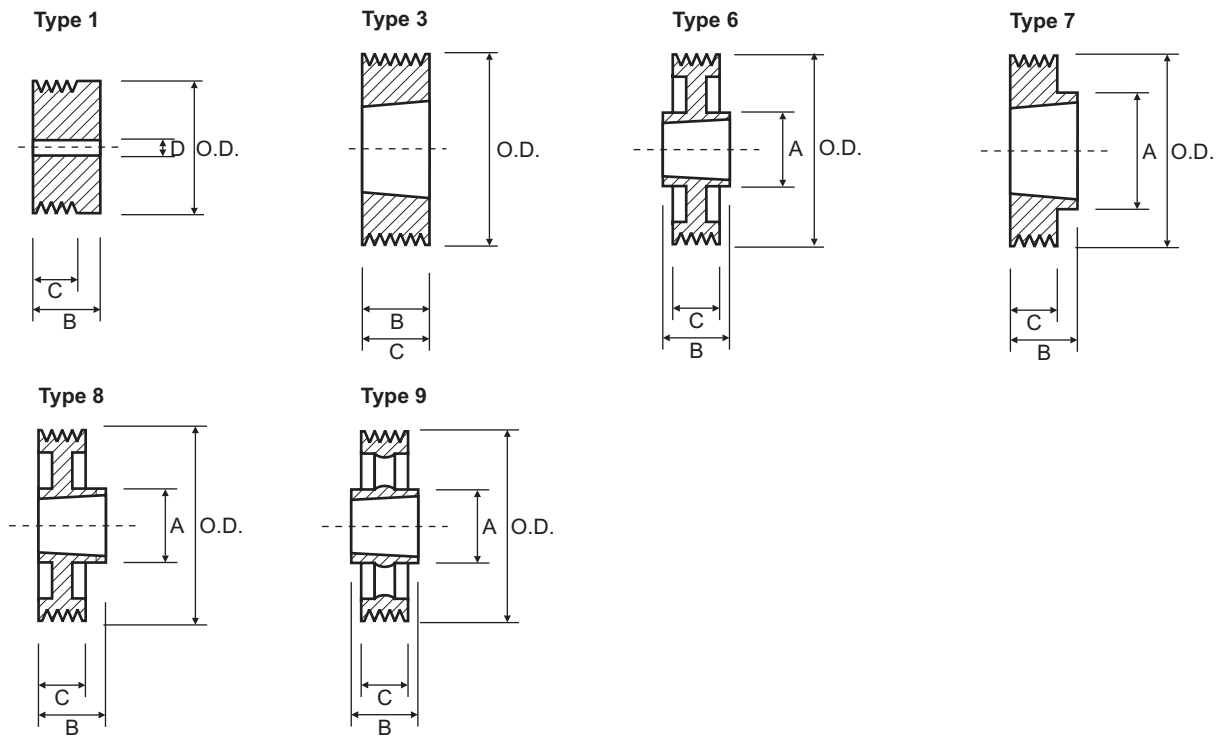


Type 9



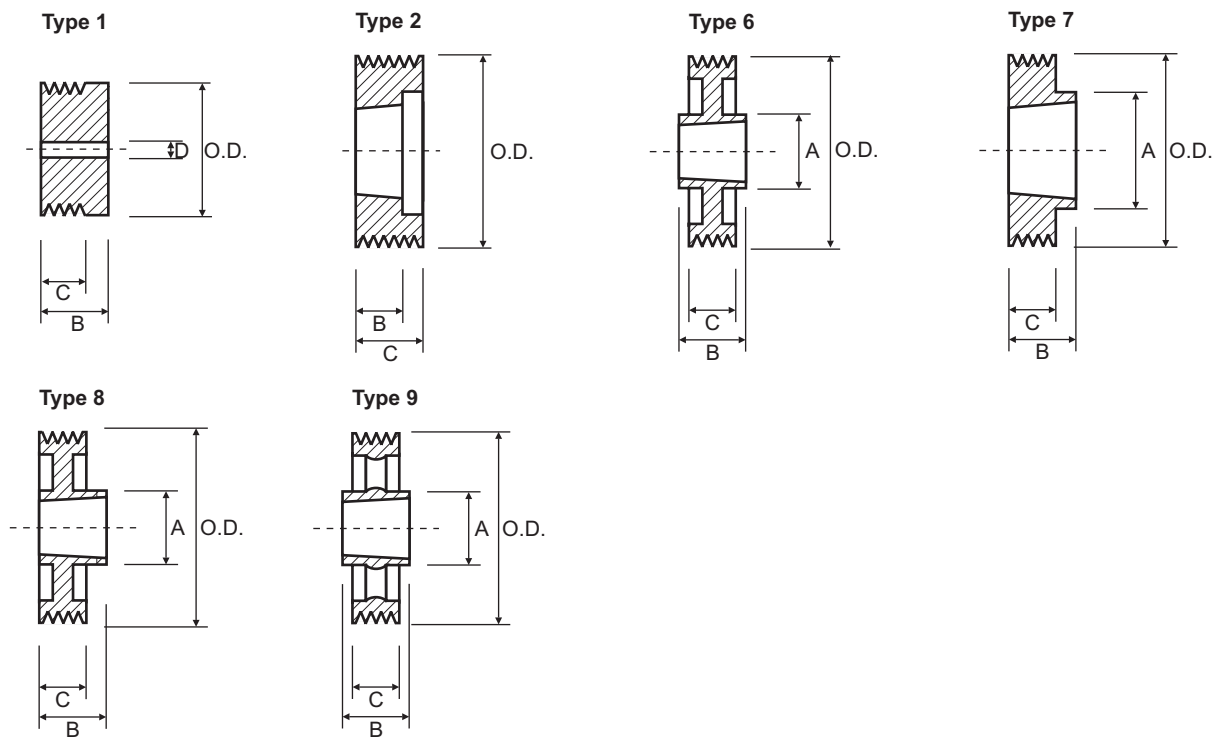
4 Groove							4 Groove						
C = 13.5							C = 13.5						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J4	20.0	1	-	-	22.5	5.0	PYB100J4	100.0	7	1610	82.0	26.0	-
PYB025J4	25.0	1	-	-	22.5	5.0	PYB106J4	106.0	7	1610	88.0	26.0	-
PYB030J4	30.0	1	-	-	22.5	9.5	PYB112J4	112.0	7	1610	90.0	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

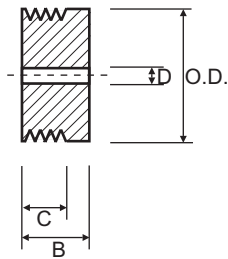


12 Groove							12 Groove						
							C = 32.5						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J12	20.0	1	-	-	41.5	5.0	PYB100J12	100.0	2	1610	-	26.0	-
PYB025J12	25.0	1	-	-	41.5	5.0	PYB106J12	106.0	2	1610	-	26.0	-
PYB030J12	30.0	1	-	-	41.5	9.5	PYB112J12	112.0	2	1610	-	26.0	-
PYB035J12	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	160.0	8	2517	120.0	45.0	-
PYB060J12	60.0	2	1108	-	23.0	-	PYB180J12	180.0	6	2517	120.0	45.0	-
PYB063J12	63.0	2	1108	-	23.0	-	PYB200J12	200.0	6	2517	120.0	45.0	-
PYB067J12	67.0	2	1108	-	23.0	-	PYB224J12	224.0	6	2517	120.0	45.0	-
PYB071J12	71.0	2	1108	-	23.0	-	PYB250J12	250.0	6	2517	120.0	45.0	-
PYB075J12	75.0	2	1210	-	26.0	-	PYB280J12	280.0	9	2517	120.0	45.0	-
PYB080J12	80.0	2	1610	-	26.0	-	PYB315J12	315.0	9	2517	120.0	45.0	-
PYB085J12	85.0	2	1610	-	26.0	-	PYB355J12	355.0	9	2517	120.0	45.0	-
PYB090J12	90.0	2	1610	-	26.0	-	PYB400J12	400.0	9	2517	120.0	45.0	-
PYB095J12	95.0	2	1610	-	26.0	-							

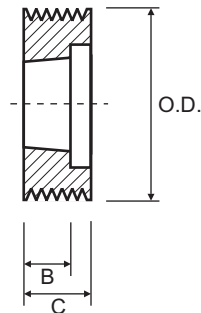


# 'J' Section Poly-V Pulleys 16 Groove

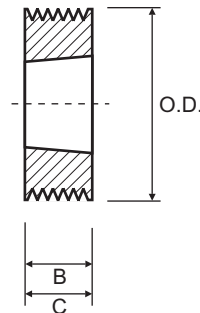
Type 1



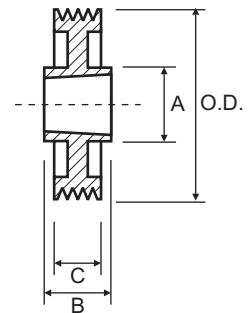
Type 2



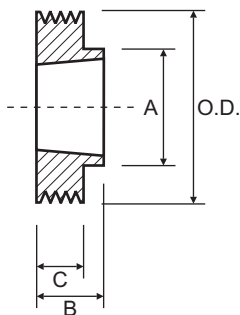
Type 3



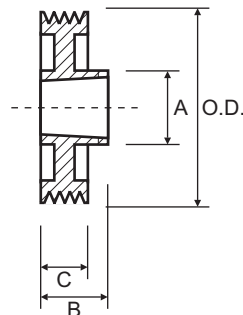
Type 6



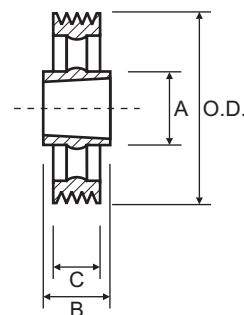
Type 7



Type 8

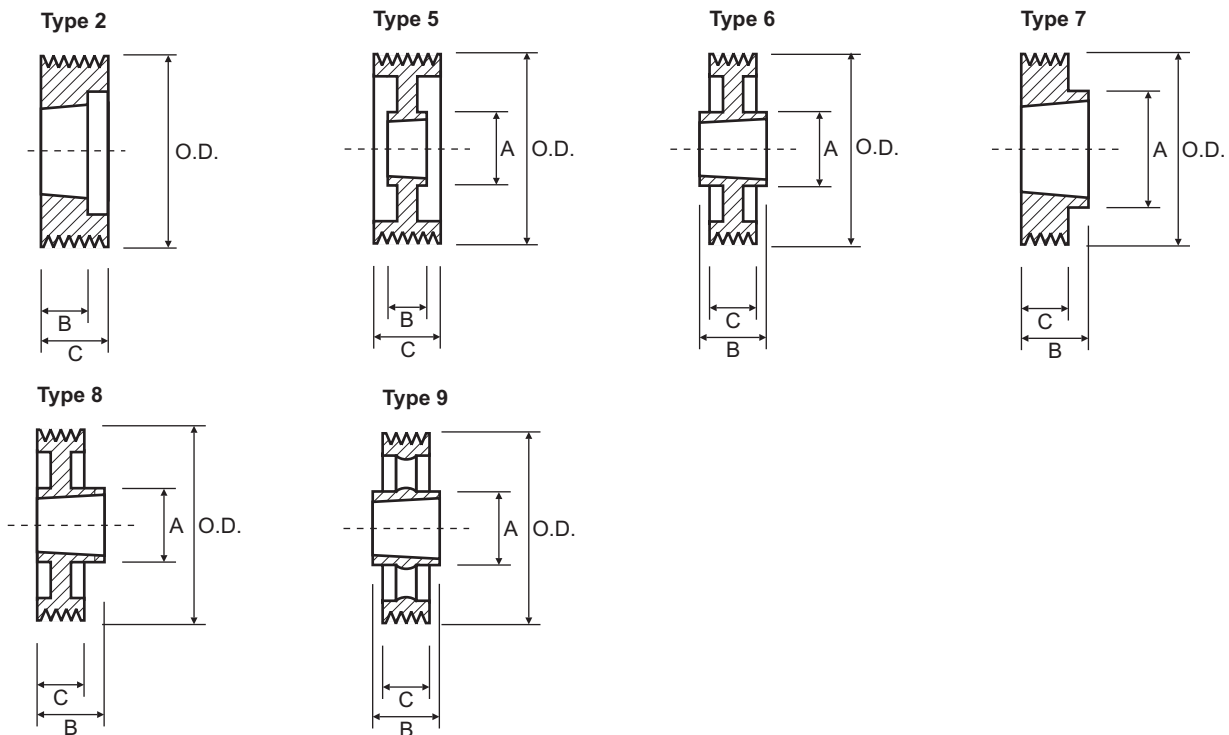


Type 9



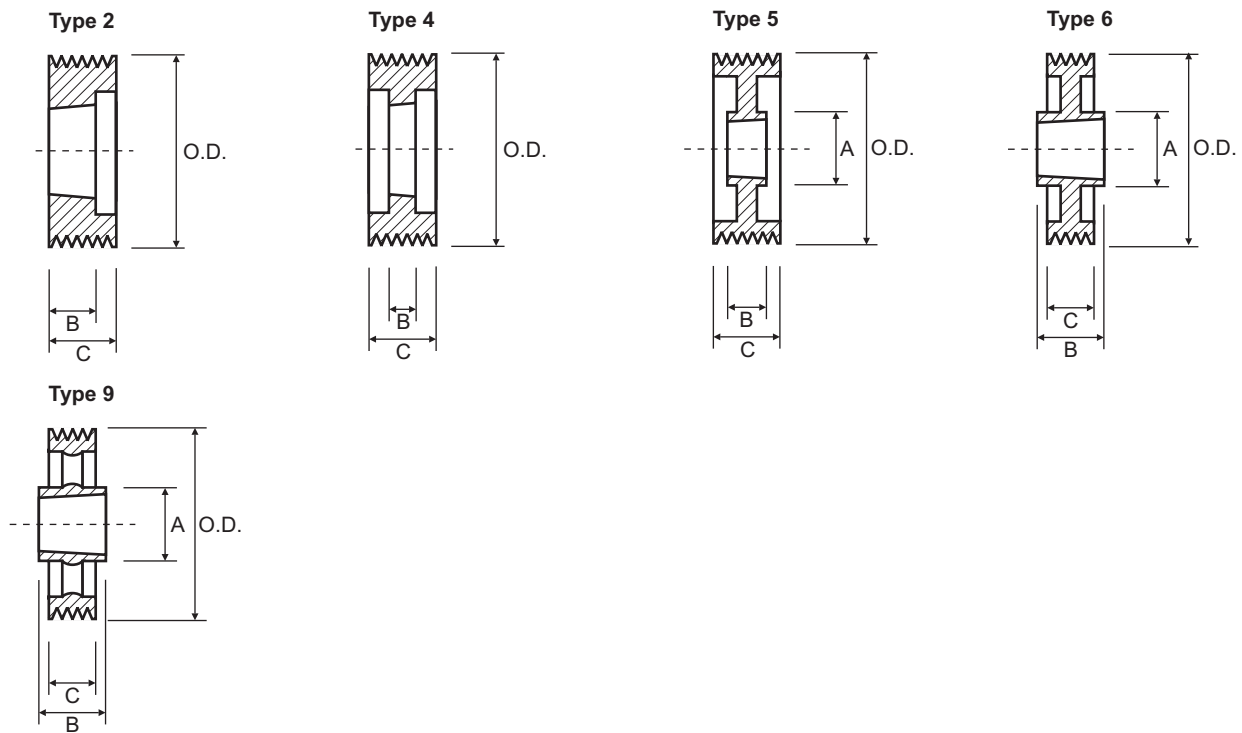
16 Groove							16 Groove						
C = 42.0							C = 42.0						
Part No.	O.D.	Type	Bush	A	B	D	Part No.	O.D.	Type	Bush	A	B	D
PYB020J16	20.0	1	-	-	51.0	5.0	PYB100J16	100.0	2	1610	-	26.0	-
PYB025J16	25.0	1	-	-	51.0	5.0	PYB106J16	106.0	2	1610	-	26.0	-
PYB030J16	30.0	1	-	-	51.0	9.5	PYB112J16	112.0	2	1610	-	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



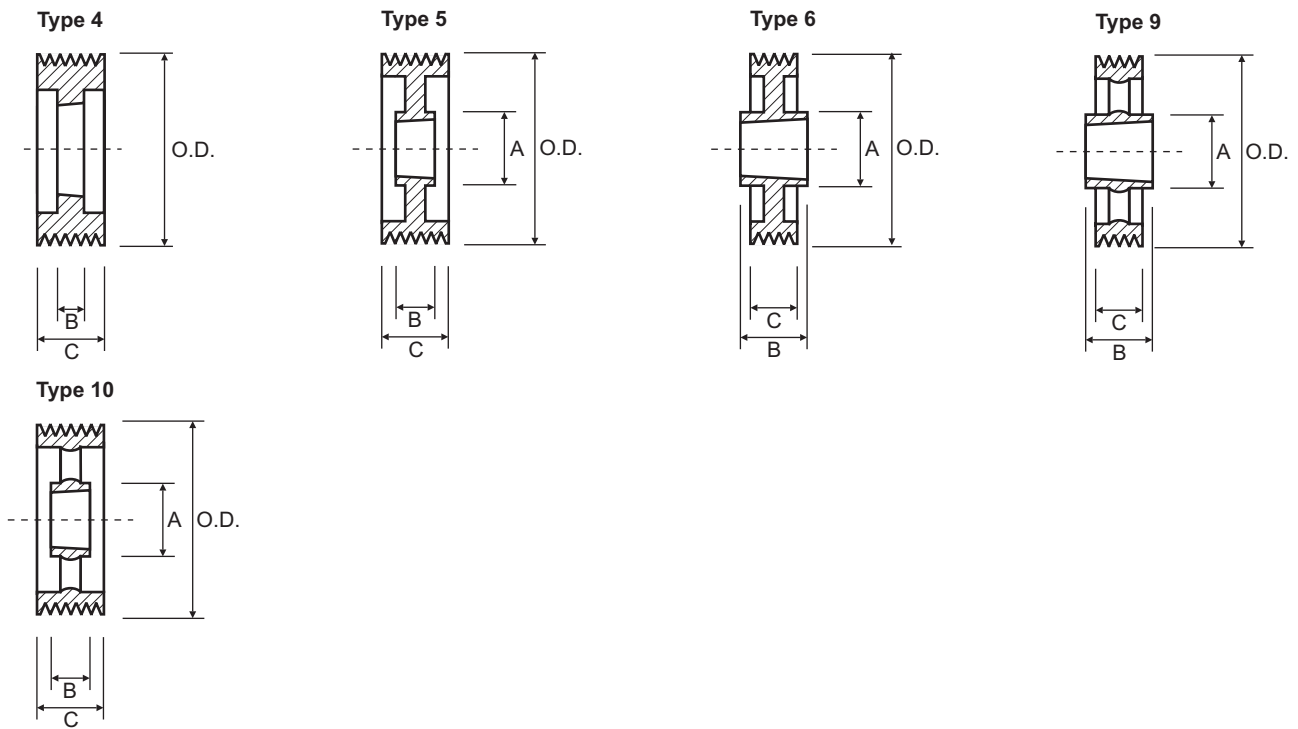
6 Groove						8 Groove					
Part No.	O.D.	Type	Bush	C = 38.5		Part No.	O.D.	Type	Bush	C = 48.0	
				A	B					A	B
PYB075L6	75.0	2	1210	-	26.0	PYB075L8	75.0	2	1210	-	26.0
PYB080L6	80.0	2	1210	-	26.0	PYB080L8	80.0	2	1210	-	26.0
PYB085L6	85.0	2	1210	-	26.0	PYB085L8	85.0	2	1210	-	26.0
PYB090L6	90.0	2	1210	-	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	5	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 = 86.0		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						

## 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	22.2
	inch	1/2", 5/8", 3/4", 7/8", 1"		
1108	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28	38.0	22.2
	inch	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, 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 1/2", 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, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50	70.0	44.4
	inch	3/4", 7/8", 1", 1 1/8", 1 3/8"		
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, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60	85.6	63.5
	inch	3/4", 7/8", 1", 1 1/8"		
3020	mm	24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	50.8
	inch	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", 2 1/4", 2 3/8", 2 1/2", 2 5/8", 2 3/4", 2 7/8", 3"		
3030	mm	32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	76.2
	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",		
	inch	2 5/8", 2 3/4", 2 2/8", 3"		
3525	mm	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90	108.0	63.5
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"		
4030	mm	40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100	146.0	76.2
4040	mm	40, 42, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 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", 2 3/4",		
	inch	3", 3 1/4", 3 1/2", 3 3/4", 4"		
4535	mm	60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110	162.0	88.9
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"		
5040	mm	70, 95, 100, 110, 115, 120, 125	177.5	101.6
5050	mm	70, 95, 100, 110, 115, 120, 125	177.5	127.0

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.

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

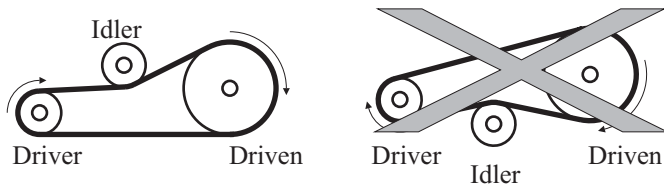
O.D. is in millimetres

## 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.

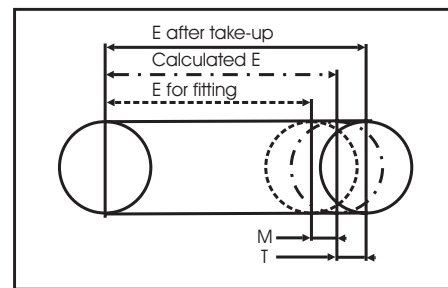
## BELT STORAGE AND HANDLING

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 (one 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



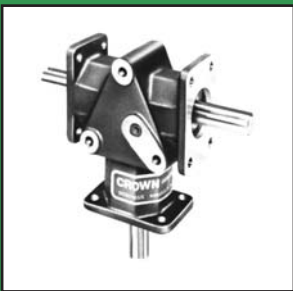
Sprocket in both B.S. A.S.A. - Plates, Simplex, Duplex & Triplex. Chain in B.S. A.S.A. Conveyor & Special chains.



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.



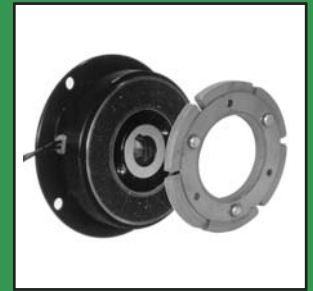
Timing pulleys Classical, HTD, Metric T & AT & G.T.R With belts to suit.



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.



*Power Transmission is all we do*

2012

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