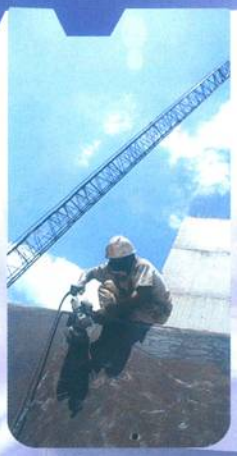
MITSUBOSHI



Characteristics:

- Smaller belt size deliver same power comparable to conventional belts
- A narrower sheave results in a more compact belt drive design
- A reduction of the drive weight due to a smaller belt and sheave contribute to a higher speed drive
- Oil and heat resistance. Static conductive

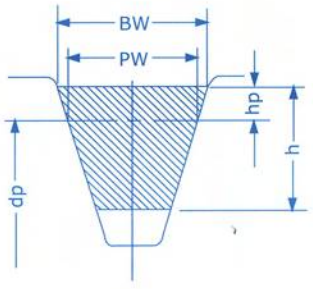
Applications:

- Large sized pumps
- Crushers
- Laundry machinery
- Machine tools
- Printing machinery

Belt Types And Cross Section Chart

	(mm)	SPZ (3V)	SPA	SPB (5V)
Belt Top Width	BW≈	9.7	12.7	16.3
Belt Pitch Width	PW	8.5	11.0	14.0
Belt Thickness	h≈	8.0	10.0	13.0
Distance to Pitch Line	hp≈	2.0	2.8	3.5
Minimum Sheave Pitch Diameter	Dp	63.0	90.0	140.0

The cross section dimensions of Mitsuboshi Narrow V-Belts comply with DIN standard 7753 and BS standard 3790

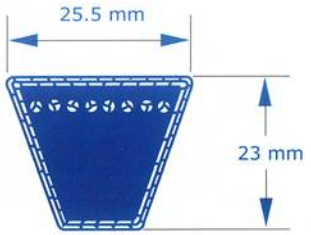


How To Read Belt Designation?

Examples

SPZ 487	SPZ – Belt type 487 – Pitch length (mm)
8V 1060	8V – Belt type 1060 – Outside length in 1/10 inches = 106 inches

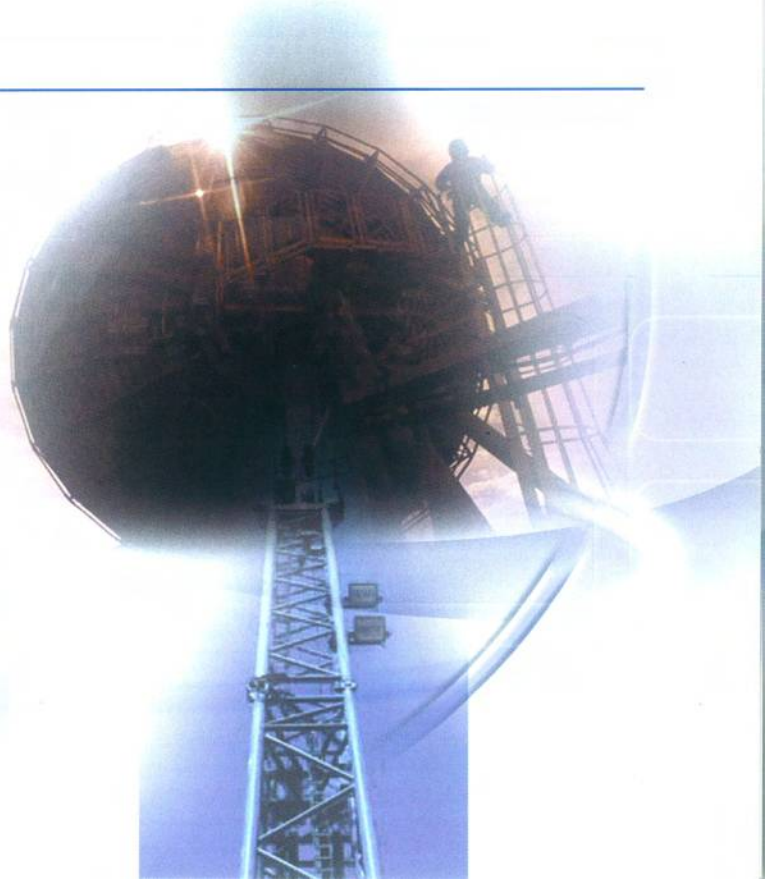
8V Cross Section

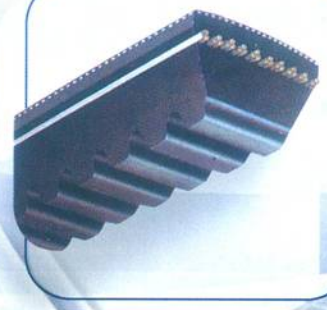


Belt Length Conversion Chart

Belt Type	Outside Length	Inside Length
SPZ	Pitch length + 13	Pitch length – 38
SPA	Pitch length + 18	Pitch length – 45
SPB	Pitch length + 22	Pitch length – 60
SPC	Pitch length + 30	Pitch length – 83
8V		Outside length– 120

All values in mm





SPZ

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPZ 487	487	500
SPZ 512	512	525
SPZ 560	560	573
SPZ 562	562	575
SPZ 587	587	600
SPZ 612	612	625
SPZ 630/3V250	630	643
SPZ 637	637	650
SPZ 650	650	663
SPZ 655	655	668
SPZ 662	662	675
SPZ 665	665	678
SPZ 670/3V265	670	683
SPZ 687	687	700
SPZ 690	690	703
SPZ 710/3V280	710	723
SPZ 722	722	735
SPZ 737	737	750
SPZ 750	750	763
SPZ 760/3V300	760	773
SPZ 762	762	775
SPZ 772	772	785
SPZ 787	787	800
SPZ 800/3V315	800	813
SPZ 812	812	825
SPZ 825	825	838
SPZ 835	835	848
SPZ 837	837	850
SPZ 850/3V335	850	863
SPZ 862	862	875
SPZ 875	875	888
SPZ 885	885	898
SPZ 887	887	900
SPZ 900/3V355	900	913
SPZ 912	912	925
SPZ 925	925	938
SPZ 937	937	950
SPZ 940	940	953
SPZ 950/3V375	950	963
SPZ 962	962	975
SPZ 987	987	1000
SPZ 1000	1000	1013
SPZ 1005	1005	1018
SPZ 1010/3V400	1010	1023
SPZ 1012	1012	1025
SPZ 1024	1024	1037
SPZ 1037	1037	1050
SPZ 1047	1047	1060
SPZ 1060	1060	1073
SPZ 1077	1077	1090
SPZ 1080/3V425	1080	1093
SPZ 1087	1087	1100
SPZ 1100	1100	1113
SPZ 1112	1112	1125
SPZ 1120	1120	1133
SPZ 1137	1137	1150

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPZ 1140/3V450	1140	1153
SPZ 1162	1162	1175
SPZ 1080	1080	1193
SPZ 1087	1087	1200
SPZ 1200/3V475	1200	1213
SPZ 1202	1202	1215
SPZ 1212	1212	1225
SPZ 1222	1222	1235
SPZ 1237	1237	1250
SPZ 1250	1250	1263
SPZ 1262	1262	1275
SPZ 1270/3V500	1270	1283
SPZ 1282	1282	1295
SPZ 1287	1287	1300
SPZ 1300	1300	1313
SPZ 1312	1312	1325
SPZ 1320	1320	1333
SPZ 1337	1337	1350
SPZ 1340/3V530	1340	1353
SPZ 1347	1347	1360
SPZ 1362	1362	1375
SPZ 1387	1387	1400
SPZ 1400	1400	1413
SPZ 1412	1412	1425
SPZ 1420/3V560	1420	1433
SPZ 1437	1437	1450
SPZ 1462	1462	1475
SPZ 1487	1487	1500
SPZ 1500	1500	1513
SPZ 1512	1512	1525
SPZ 1520/3V600	1520	1533
SPZ 1537	1537	1550
SPZ 1562	1562	1575
SPZ 1587	1587	1600
SPZ 1600/3V630	1600	1613
SPZ 1612	1612	1625
SPZ 1637	1637	1650
SPZ 1662	1662	1675
SPZ 1687	1687	1700
SPZ 1700/3V670	1700	1713
SPZ 1737	1737	1750
SPZ 1762	1762	1775
SPZ 1787	1787	1800
SPZ 1800/3V710	1800	1813
SPZ 1812	1812	1825
SPZ 1837	1837	1850
SPZ 1862	1862	1875
SPZ 1887	1887	1900
SPZ 1900/3V750	1900	1913
SPZ 1937	1937	1950
SPZ 1987	1987	2000
SPZ 2000	2000	2013
SPZ 2030/3V800	2030	2043
SPZ 2037	2037	2050
SPZ 2050	2050	2063
SPZ 2060	2060	2073

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPZ 2082	2082	2095
SPZ 2087	2087	2100
SPZ 2220	2120	2133
SPZ 2137	2137	2150
SPZ 2150	2150	2163
SPZ 2160/3V850	2160	2173
SPZ 2187	2187	2200
SPZ 2200	2200	2213
SPZ 2240	2240	2253
SPZ 2262	2262	2275
SPZ 2280/3V900	2280	2293
SPZ 2287	2287	2300
SPZ 2300	2300	2313
SPZ 2337	2337	2350
SPZ 2360	2360	2373
SPZ 2387	2387	2400
SPZ 2400	2400	2413
SPZ 2410/3V950	2410	2423
SPZ 2437	2437	2450
SPZ 2450	2450	2463
SPZ 2487	2487	2500
SPZ 2500	2500	2513
SPZ 2540/3V1000	2540	2553
SPZ 2580	2580	2593
SPZ 2600	2600	2613
SPZ 2637	2637	2650
SPZ 2650	2650	2663
SPZ 2670	2670	2683
SPZ 2687	2687	2700
SPZ 2690/3V1060	2690	2703
SPZ 2700	2700	2713
SPZ 2712	2712	2725
SPZ 2720	2720	2733
SPZ 2737	2737	2750
SPZ 2760	2760	2773
SPZ 2800	2800	2813
SPZ 2840/3V1120	2840	2853
SPZ 2900	2900	2913
SPZ 3000/3V1180	3000	3013
SPZ 3050	3050	3063
SPZ 3070	3070	3083
SPZ 3150	3150	3163
SPZ 3170/3V1250	3170	3183
SPZ 3200	3200	3213
SPZ 3250	3250	3263
SPZ 3350/3V1320	3350	3363
SPZ 3450	3450	3463
SPZ 3550/3V1400	3550	3563

SPA

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPA 732	732	750
SPA 735	735	753
SPA 742	742	760
SPA 757	757	775
SPA 760	760	778
SPA 782	782	800
SPA 800	800	818
SPA 807	807	825
SPA 832	832	850
SPA 850	850	868
SPA 857	857	875
SPA 860	860	878
SPA 882	882	900
SPA 900	900	918
SPA 907	907	925
SPA 932	932	950
SPA 950	950	968
SPA 957	957	975
SPA 967	967	985
SPA 982	982	1000
SPA 1000	1000	1018
SPA 1007	1007	1025
SPA 1032	1032	1050
SPA 1057	1057	1075
SPA 1060	1060	1078
SPA 1082	1082	1100
SPA 1090	1090	1108
SPA 1107	1107	1125
SPA 1120	1120	1138
SPA 1132	1132	1150
SPA 1157	1157	1175
SPA 1180	1180	1198
SPA 1182	1182	1200
SPA 1200	1200	1218
SPA 1207	1207	1225
SPA 1210	1210	1228
SPA 1232	1232	1250
SPA 1235	1235	1253
SPA 1250	1250	1268
SPA 1257	1257	1275
SPA 1272	1272	1290
SPA 1282	1282	1300
SPA 1295	1295	1313
SPA 1300	1300	1318
SPA 1307	1307	1325
SPA 1320	1320	1338
SPA 1332	1332	1350
SPA 1357	1357	1375
SPA 1382	1382	1400
SPA 1385	1385	1403
SPA 1400	1400	1418
SPA 1410	1410	1428
SPA 1425	1425	1443
SPA 1432	1432	1450

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPA 1457	1457	1475
SPA 1482	1482	1500
SPA 1485	1485	1503
SPA 1500	1500	1518
SPA 1507	1507	1525
SPA 1532	1532	1550
SPA 1557	1557	1575
SPA 1582	1582	1600
SPA 1600	1600	1618
SPA 1607	1607	1625
SPA 1632	1632	1650
SPA 1657	1657	1675
SPA 1682	1682	1700
SPA 1700	1700	1718
SPA 1707	1707	1725
SPA 1732	1732	1750
SPA 1757	1757	1775
SPA 1782	1782	1800
SPA 1800	1800	1818
SPA 1807	1807	1825
SPA 1832	1832	1850
SPA 1857	1857	1875
SPA 1882	1882	1900
SPA 1900	1900	1918
SPA 1907	1907	1925
SPA 1932	1932	1950
SPA 1957	1957	1975
SPA 1982	1982	2000
SPA 2000	2000	2018
SPA 2032	2032	2050
SPA 2057	2057	2075
SPA 2082	2082	2100
SPA 2100	2100	2118
SPA 2120	2120	2138
SPA 2132	2132	2150
SPA 2157	2157	2175
SPA 2182	2182	2200
SPA 2207	2207	2225
SPA 2232	2232	2250
SPA 2240	2240	2258
SPA 2260	2260	2278
SPA 2282	2282	2300
SPA 2307	2307	2325
SPA 2330	2330	2348
SPA 2332	2332	2350
SPA 2360	2360	2378
SPA 2373	2373	2391
SPA 2382	2382	2400
SPA 2407	2407	2425
SPA 2410	2410	2428
SPA 2432	2432	2450
SPA 2282	2282	2300
SPA 2500	2500	2518

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPA 2532	2532	2550
SPA 2568	2568	2586
SPA 2582	2582	2600
SPA 2607	2607	2625
SPA 2632	2632	2650
SPA 2650	2650	2668
SPA 2682	2682	2700
SPA 2732	2732	2750
SPA 2773	2773	2791
SPA 2782	2782	2800
SPA 2800	2800	2818
SPA 2847	2847	2865
SPA 2850	2850	2868
SPA 2882	2882	2900
SPA 2900	2900	2918
SPA 2932	2932	2950
SPA 2962	2962	2980
SPA 2982	2982	3000
SPA 3000	3000	3018
SPA 3020	3020	3038
SPA 3032	3032	3050
SPA 3132	3132	3150
SPA 3150	3150	3168
SPA 3182	3182	3200
SPA 3350	3350	3668
SPA 3550	3550	3568
SPA 3650	3650	3668
SPA 3750	3750	3768
SPA 3870	3870	3888
SPA 4000	4000	4018
SPA 4120	4120	4138
SPA 4250	4250	4268
SPA 4300	4300	4318
SPA 4500	4500	4518

- Smaller belt size deliver same power comparable to conventional belts
- A narrower sheave results in a more compact belt drive design
- A reduction of the drive weight due to a smaller belt and sheave contribute to a higher speed drive

SPB

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPB 1250	1250	1272
SPB 1260/ 5V500	1260	1282
SPB 1320	1320	1342
SPB 1340/ 5V530	1340	1362
SPB 1400	1400	1422
SPB 1410/ 5V560	1410	1432
SPB 1500	1500	1522
SPB 1510/ 5V600	1510	1532
SPB 1590/ 5V630	1590	1612
SPB 1600	1600	1 22
SPB 1690/ 5V670	1690	1712
SPB 1700	1700	1722
SPB 1750	1750	1772
SPB 1800/ 5V710	1800	1822
SPB 1850	1850	1872
SPB 1900/ 5V750	1900	1922
SPB 1950	1950	1972
SPB 2000	2000	2022
SPB 2020	2020	2042
SPB 2030/ 5V800	2020	2042
SPB 2060	2060	2082
SPB 2120	2120	2142
SPB 2137	2137	2159
SPB 2150/ 5V850	2150	2159
SPB 2180	2180	2202
SPB 2240	2240	2262
SPB 2264	2264	2286
SPB 2280/ 5V900	2280	2382
SPB 2300	2300	2322
SPB 2310	2310	2322
SPB 2320	2320	2342
SPB 2330	2330	2352
SPB 2360	2360	2382
SPB 2390	2390	2412
SPB 2410/ 5V950	2410	2432
SPB 2425	2425	2447
SPB 2430	2430	2452
SPB 2450	2450	2472
SPB 2473	2473	2495
SPB 2500	2500	2522

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPB 2522	2522	2544
SPB 2530/ 5V1000	2530	2552
SPB 2550	2550	2572
SPB 2575	2575	2597
SPB 2580	2580	2602
SPB 2600	2600	2622
SPB 2640	2640	2662
SPB 2650	2650	2672
SPB 2670	2670	2692
SPB 2680/ 5V1060	2680	2702
SPB 2700	2700	2722
SPB 2720	2720	2742
SPB 2750	2750	2772
SPB 2800	2800	2822
SPB 2820	2820	2842
SPB 2840/ 5V1120	2840	2862
SPB 2900	2900	2922
SPB 2990/ 5V1180	2990	3012
SPB 3000	3000	3022
SPB 3070	3070	3092
SPB 3150	3150	3172
SPB 3170/ 5V1250	3170	3192
SPB 3175	3175	3197
SPB 3200	3200	3222
SPB 3238	3238	3260
SPB 3280	3280	3302
SPB 3328	3328	3350
SPB 3340/ 5V1320	3340	3362
SPB 3350	3350	3372
SPB 3400	3400	3422
SPB 3412	3412	3434
SPB 3425	3425	3447
SPB 3450	3450	3472
SPB 3500	3500	3522
SPB 3550/ 5V1400	3550	3572
SPB 3675	3675	3697
SPB 3700	3700	3722
SPB 3750	3750	3772
SPB 3770	3770	3792
SPB 3800/ 5V1500	3800	3822

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPB 3850	3850	3872
SPB 3870	3870	3892
SPB 3875	3875	3897
SPB 4000	4000	4022
SPB 4060/ 5V1600	4060	4082
SPB 4120	4120	4142
SPB 4250	4250	4272
SPB 4310/ 5V1700	4310	4332
SPB 4500	4500	4522
SPB 4560/ 5V1800	4560	4582
SPB 4620	4620	4642
SPB 4750	4750	4772
SPB 4820/ 5V1900	4820	4842
SPB 5000	5000	5022
SPB 5070/ 5V2000	5070	5092
SPB 5300	5300	5322
SPB 5500	5500	5522
SPB 5600	5600	5622
SPB 5680/ 5V2240	5680	5702
SPB 5800	5800	5822
SPB 5990/ 5V2360	5990	6012
SPB 6000	6000	6022
SPB 6300	6300	6322
SPB 6340/ 5V2500	6340	6012
SPB 6700	6700	6722
SPB 6720/ 5V2650	6720	6012
SPB 7100/ 5V2800	7100	7122
SPB 7500	7500	7522
SPB 7610/ 5V3000	7610	7522
SPB 7990/ 5V3100	7990	8012
SPB 8000	8000	8022
SPB 8500/ 5V3350	8500	8522
SPB 9000	9000	9022
SPB 9010 5V3550	9010	9032

SPC

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPC 2000	2000	2030
SPC 2120	2120	2150
SPC 2240	2240	2270
SPC 2280	2280	2310
SPC 2360	2360	2390
SPC 2400	2400	2430
SPC 2500	2500	2530
SPC 2600	2600	2630
SPC 2650	2650	2680
SPC 2700	2700	2730
SPC 2720	2720	2750
SPC 2800	2800	2830
SPC 2840	2840	2870
SPC 2900	2900	2930
SPC 3000	3000	3030
SPC 3150	3150	3180
SPC 3200	3200	3230

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPC 3350	3350	3380
SPC 3450	3450	3480
SPC 3500	3500	3530
SPC 3550	3550	3580
SPC 3670	3670	3700
SPC 3750	3750	3780
SPC 3800	3800	3830
SPC 4000	4000	4030
SPC 4200	4200	4230
SPC 4250	4250	4280
SPC 4300	4300	4330
SPC 4400	4400	4430
SPC 4500	4500	4530
SPC 4750	4750	4780
SPC 5000	5000	5030

Belt Code	Pitch Length (mm)	Outside Length (mm)
SPC 5300	5300	5330
SPC 5600	5600	5630
SPC 6000	6000	6030
SPC 6300	6300	6330
SPC 6500	6500	6530
SPC 6700	6700	6730
SPC 7100	7100	7130
SPC 7500	7500	7530
SPC 8000	8000	8030
SPC 8500	8500	8530
SPC 9000	9000	9030
SPC 9500	9500	9530
SPC 10000	10000	10030
SPC 10600	10600	10630
SPC 11200	11200	11230
SPC 11800	11800	11830
SPC 12500	12500	12530

8V

Belt Code	Outside Length (mm)	Pitch Length (mm)
8V 1000	2540	2524
8V 1060	2692	2676
8V 1120	2845	2829
8V 1180	2997	2981
8V 1250	3175	3159
8V 1320	3353	3337
8V 1400	3556	3540
8V 1500	3810	3794
8V 1600	4064	4048
8V 1700	4318	4302

Belt Code	Outside Length (mm)	Pitch Length (mm)
8V 1800	4572	4556
8V 1900	4826	4810
8V 2000	5080	5064
8V 2120	5385	5369
8V 2240	5690	5674
8V 2360	5994	5978
8V 2500	6350	6334
8V 2650	6731	6715
8V 2800	7112	7096
8V 3000	7620	7604

Belt Code	Outside Length (mm)	Pitch Length (mm)
8V 3150	8001	7985
8V 3350	8509	8493
8V 3550	9017	9001
8V 3750	9525	9509
8V 4000	10160	10144
8V 4250	10795	10779
8V 4500	11430	11414
8V 4750	12065	12049
8V 5000	12700	12684

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