MECALINE

# Mecaline Vee Belt Catalogue

**EPDM Compound CRE Belts**


Exclusively distributed by Rubix - www.rubix.com

RUBIX

# Contents



# Mecaline Belts

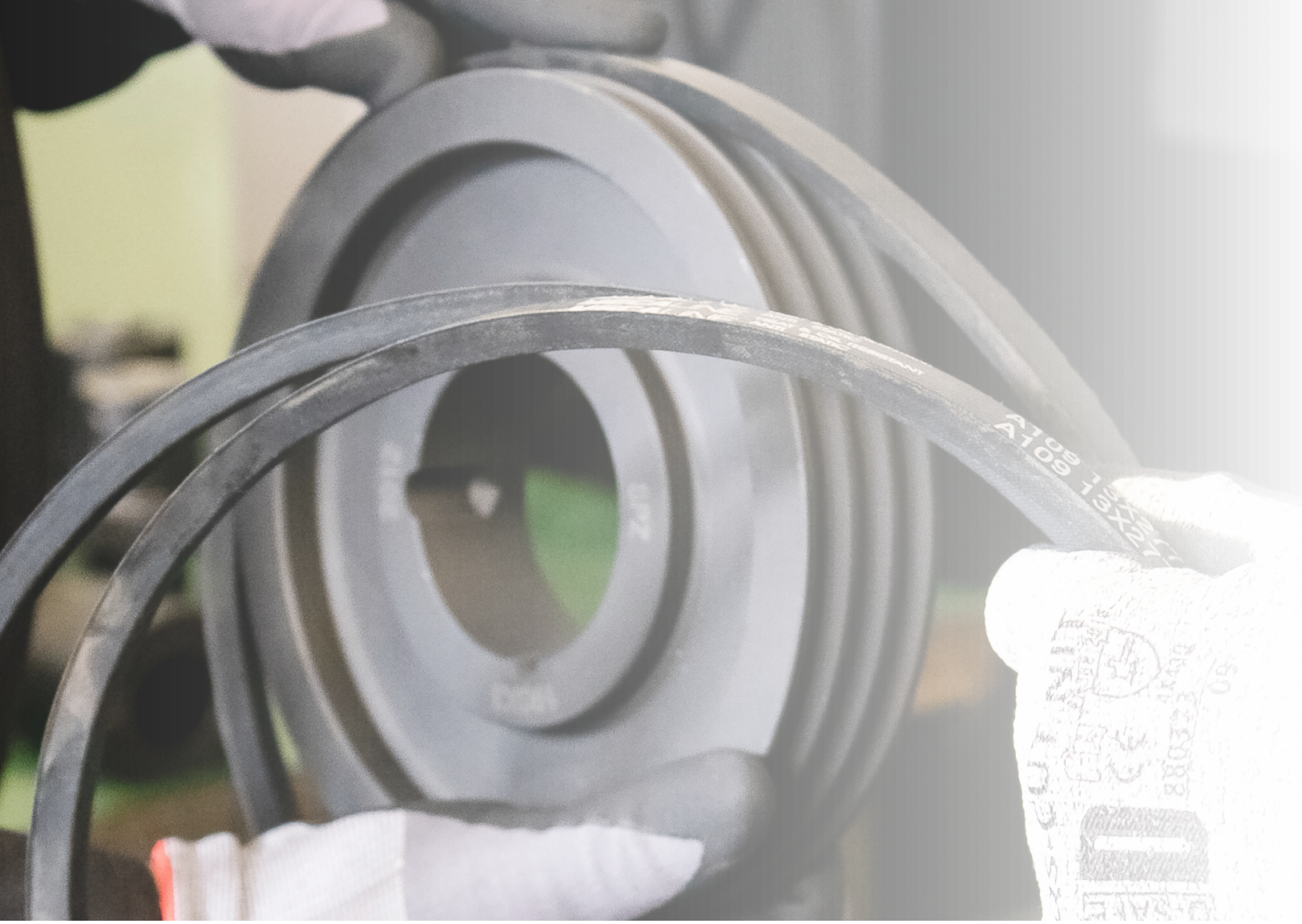

Mecaline belts range includes classical V belt, wrapped wedge belt and or cogged (moulded notched) belts.

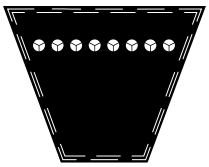
All Mecaline belts are manufactured to the highest standards of industry and confirm to ISO, DIN and BS specification and anti-static to ISO 1813.

- Classical V belts are offered on Z, A, B, C and D profiles.
- Wrapped wedge belts in SPZ, SPA, SPB and SPC profile.
- Cogged (moulded notched) belts in XPZ, XPA, XPB and XPC profiles.

All of the above can be run on Mecaline dual duty V pulleys - taper bush type for ease of mounting and flexible in shaft size offering.

**All Mecaline CRE belts are constructed using high performance EPDM compound for enhanced operating temperatures.**





# Quick overview of nominal dimension for V and wedge belts

| Classical V belt section | Z | A | B | C | D |
|---|---|---|---|---|---|
| Top width (mm) | 10 | 13 | 17 | 22 | 32 |
| Height (mm) | 6 | 8 | 11 | 14 | 20 |

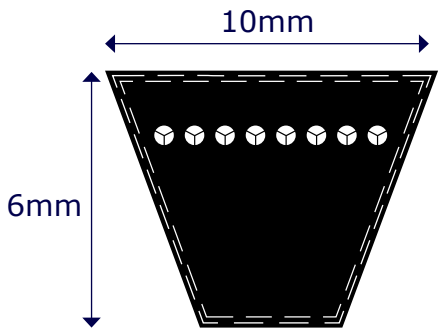
Common coding found on classical V belts:

Li = Inside Length measurement
Lp = Pitch Length

| Wedge belts/ CRE belts | SPZ/XPZ | SPA/XPA | SPB/XPB | SPC/XPC |
|---|---|---|---|---|
| Top width (mm) | 10 | 13 | 16 | 22 |
| Height (mm) | 8 | 10 | 13 | 18 |

# V belts

# Z section V belts




- **Belt designation - Z35/Z910**
  Z35 - Inside length in imperial inches
  Z910 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** Z = 0.06

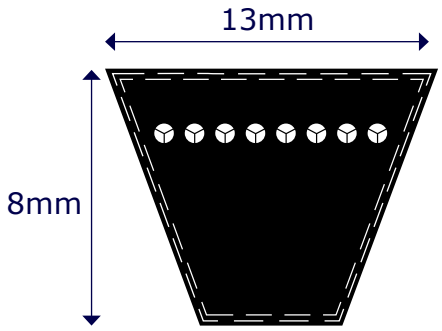
| Rubix engineering code | Generic code |
|---|---|
| 887644 | Z15 |
| 890329 | Z16/Z420 |
| 890086 | Z17/Z445 |
| 890330 | Z18/Z470 |
| 890331 | Z19/Z495 |
| 889975 | Z20/Z530 |
| 889976 | Z20.1/2/Z543 |
| 889977 | Z21/Z560 |
| 889979 | Z21.1/4/Z562 |
| 889978 | Z21.1/2/Z569 |
| 889980 | Z22/Z580 |
| 889982 | Z22.1/4/Z588 |
| 889981 | Z22.1/2/Z594 |
| 889983 | Z23/Z610 |
| 889984 | Z23.1/2/Z619 |
| 889985 | Z23.3/4/Z626 |
| 889986 | Z24/Z630 |
| 889987 | Z25/Z660 |
| 889988 | Z25.1/2/Z670 |
| 889989 | Z26/Z680 |
| 889990 | Z26.1/2/Z690 |
| 889991 | Z27/Z708 |
| 889992 | Z27.1/2/Z721 |
| 889993 | Z28/Z730 |
| 889994 | Z28.1/2/Z740 |
| 889995 | Z29/Z750 |
| 889996 | Z29.1/2/Z770 |

| Rubix engineering code | Generic code |
|---|---|
| 889997 | Z30/Z780 |
| 889998 | Z30.1/2/Z797 |
| 889999 | Z30.3/4/Z804 |
| 890000 | Z31/Z810 |
| 890001 | Z31.1/2/Z823 |
| 890002 | Z32/Z835 |
| 890003 | Z32.1/2/Z845 |
| 890004 | Z33/Z860 |
| 890005 | Z33.1/2/Z873 |
| 890006 | Z34/Z890 |
| 890008 | Z34.1/4/Z895 |
| 890007 | Z34.1/2/Z900 |
| 890009 | Z35/Z910 |
| 890010 | Z35.1/2/Z920 |
| 890011 | Z36/Z940 |
| 890012 | Z36.1/2/Z950 |
| 890013 | Z36.3/4/Z956 |
| 890014 | Z37/Z960 |
| 890015 | Z37.1/2/Z975 |
| 890016 | Z38/Z990 |
| 890018 | Z38.1/4/Z995 |
| 890017 | Z38.1/2/Z1000 |
| 890019 | Z39/Z1015 |
| 890020 | Z40/Z1040 |
| 890021 | Z40.1/2/Z1051 |
| 890022 | Z41/Z1067 |
| 890023 | Z41.1/2/Z1077 |

| Rubix engineering code | Generic code |
|---|---|
| 890024 | Z42/Z1080 |
| 890025 | Z42.1/2/Z1100 |
| 890026 | Z43/Z1118 |
| 890027 | Z43.1/4/Z1121 |
| 890028 | Z44/Z1140 |
| 890029 | Z45/Z1165 |
| 890030 | Z46/Z1190 |
| 890087 | Z46.1/2/Z1200 |
| 890031 | Z47/Z1220 |
| 890032 | Z48/Z1240 |
| 890033 | Z49/Z1270 |
| 890034 | Z50/Z1290 |
| 890035 | Z50.1/2/Z1305 |
| 890036 | Z51/Z1330 |
| 890037 | Z52/Z1340 |
| 890038 | Z53/Z1370 |
| 890039 | Z54/Z1390 |
| 890040 | Z55/Z1420 |
| 890041 | Z56/Z1445 |
| 890042 | Z57/Z1470 |
| 890043 | Z58/Z1500 |
| 890044 | Z59/Z1520 |
| 890045 | Z59.1/2/Z1534 |
| 890046 | Z61/Z1570 |
| 890047 | Z62/Z1595 |
| 890048 | Z63/Z1620 |
| 890049 | Z65/Z1670 |

# A section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



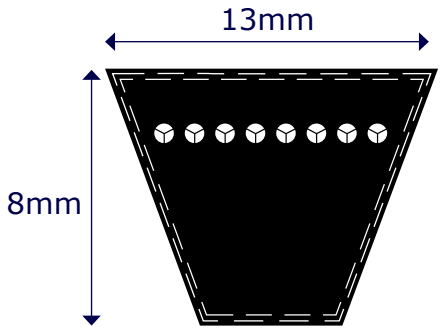

- **Belt designation - A35/A920**
  A35 - Inside length in imperial inches
  A920 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** A = 0.108

| Rubix engineering code | Generic code |
|---|---|
| 888808 | A18/A490 |
| 888809 | A19/A512 |
| 888810 | A20/A540 |
| 888811 | A21/A570 |
| 888812 | A22/A590 |
| 888813 | A23/A620 |
| 888814 | A23.1/2/A630 |
| 888815 | A24/A640 |
| 888816 | A24.1/2/A655 |
| 888817 | A24.3/4/A658 |
| 888818 | A25/A670 |
| 888819 | A25.1/2/A680 |
| 888820 | A26/A690 |
| 888821 | A26.1/2/A710 |
| 888822 | A27/A720 |
| 888823 | A27.1/2/A730 |
| 888824 | A28/A740 |
| 888825 | A28.1/2/A750 |
| 888826 | A29/A770 |
| 888827 | A29.1/2/A780 |
| 888828 | A30/A790 |
| 888829 | A30.1/2/A800 |
| 888830 | A31/A820 |
| 888831 | A31.1/2/A830 |

| Rubix engineering code | Generic code |
|---|---|
| 888832 | A32/A850 |
| 888833 | A32.1/2/A860 |
| 888834 | A33/A870 |
| 888836 | A33.1/4/A874 |
| 888835 | A33.1/2/A880 |
| 888837 | A34/A890 |
| 888838 | A34.1/2/A900 |
| 888839 | A35/A920 |
| 888840 | A35.1/2/A930 |
| 888841 | A36/A950 |
| 888842 | A36.1/2/A960 |
| 888843 | A37/A970 |
| 888845 | A37.1/4/A988 |
| 888844 | A37.1/2/A980 |
| 888846 | A38/A995 |
| 888847 | A38.1/2/A1010 |
| 888848 | A39/A1020 |
| 888849 | A39.1/2/A1035 |
| 888850 | A40/A1050 |
| 888851 | A40.1/2/A1060 |
| 888852 | A41/A1070 |
| 888853 | A41.1/2/A1085 |
| 888854 | A41.3/4/A1090 |
| 888855 | A42/A1100 |
| 888856 | A42.1/2/A1110 |

| Rubix engineering code | Generic code |
|---|---|
| 888857 | A43/A1130 |
| 888858 | A43.1/2/A1135 |
| 888859 | A43.3/4/A1140 |
| 888860 | A44/A1150 |
| 888861 | A44.1/2/A1160 |
| 888862 | A45/A1180 |
| 888863 | A45.1/2/A1190 |
| 888864 | A46/A1200 |
| 888865 | A46.1/2/A1215 |
| 888866 | A47/A1230 |
| 888867 | A48/A1250 |
| 888868 | A48.1/4/A1255 |
| 890051 | A48.1/2/A1265 |
| 888869 | A49/A1280 |
| 888870 | A50/A1300 |
| 888871 | A51/A1330 |
| 888872 | A51.1/2/A1340 |
| 888873 | A52/A1350 |
| 888874 | A52.1/2/A1365 |
| 888875 | A53/A1380 |
| 888876 | A53.1/4/A1385 |
| 888877 | A54/A1400 |
| 888878 | A55/A1430 |
| 888879 | A56/A1460 |
| 888880 | A57/A1480 |

# A section V belts




- **Belt designation - A35/A920**
  A35 - Inside length in imperial inches
  A920 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** A = 0.108

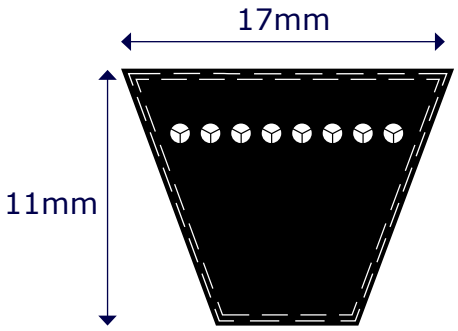
| Rubix engineering code | Generic code |
|---|---|
| 888881 | A58/A1510 |
| 888882 | A59/A1530 |
| 888883 | A60/A1550 |
| 888884 | A61/A1580 |
| 888885 | A62/A1610 |
| 888886 | A63/A1640 |
| 888887 | A64/A1660 |
| 888888 | A65/A1690 |
| 888889 | A66/A1710 |
| 888890 | A67/A1740 |
| 888891 | A68/A1760 |
| 888892 | A69/A1790 |
| 888893 | A70/A1810 |
| 888894 | A71/A1840 |
| 888895 | A72/A1860 |
| 888896 | A73/A1890 |
| 888897 | A74/A1920 |
| 888898 | A75/A1940 |
| 888899 | A76/A1960 |
| 888900 | A77/A1990 |
| 888901 | A78/A2020 |
| 888902 | A79/A2040 |
| 888903 | A80/A2070 |
| 888904 | A81/A2090 |
| 888905 | A82/A2120 |

| Rubix engineering code | Generic code |
|---|---|
| 888906 | A83/A2140 |
| 888907 | A83.1/2/A2150 |
| 888908 | A84/A2170 |
| 888909 | A85/A2200 |
| 888910 | A86/A2220 |
| 888911 | A87/A2240 |
| 888912 | A88/A2270 |
| 888913 | A89/A2300 |
| 888914 | A90/A2320 |
| 888915 | A91/A2350 |
| 888916 | A92/A2370 |
| 888917 | A93/A2400 |
| 888918 | A94/A2420 |
| 888919 | A95/A2450 |
| 888920 | A96/A2470 |
| 888921 | A97/A2500 |
| 888922 | A98/A2520 |
| 888778 | A100/A2570 |
| 888779 | A102/A2620 |
| 888780 | A104/A2671 |
| 888781 | A105/A2700 |
| 888782 | A106/A2725 |
| 888783 | A107/A2750 |
| 888784 | A108/A2780 |
| 888785 | A109/A2800 |

| Rubix engineering code | Generic code |
|---|---|
| 888786 | A110/A2830 |
| 888787 | A112/A2880 |
| 888788 | A113/A2900 |
| 888789 | A114/A2925 |
| 888790 | A116/A2980 |
| 888791 | A118/A3030 |
| 888792 | A120/A3080 |
| 887645 | A122 |
| 888793 | A124/A3180 |
| 888794 | A128/A3290 |
| 888795 | A130/A3332 |
| 888796 | A132/A3382 |
| 888797 | A134/A3440 |
| 888798 | A136/A3490 |
| 888799 | A140/A3590 |
| 888800 | A144/A3690 |
| 888801 | A147/A3770 |
| 888802 | A148/A3790 |
| 888803 | A155/A3970 |
| 888804 | A158/A4040 |
| 888805 | A162/A4144 |
| 888806 | A167/A4270 |
| 888807 | A173/A4430 |
| 890050 | A197/A5040 |

# B section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



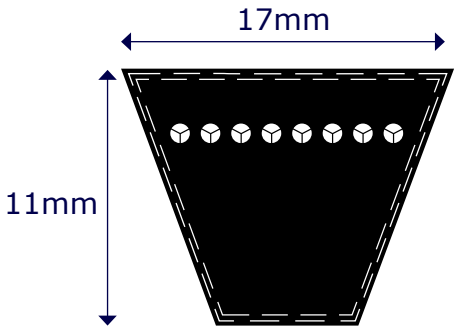

- **Belt designation - B52/B1360**
  B52 - Inside length in imperial inches
  B1360 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** B = 0.182

| Rubix engineering code | Generic code |
|---|---|
| 888989 | B22.1/2/B610 |
| 888997 | B23/B624 |
| 889000 | B24/B650 |
| 889004 | B25/B675 |
| 889009 | B26/B700 |
| 889013 | B27/B725 |
| 889016 | B28/B750 |
| 889017 | B28.1/2/B760 |
| 889020 | B29/B780 |
| 889021 | B29.1/2/A790 |
| 889022 | B30/B800 |
| 889024 | B31/B830 |
| 889025 | B31.1/2/B845 |
| 889027 | B32/B860 |
| 889029 | B32.1/4/B859 |
| 889028 | B32.1/2/B865 |
| 889030 | B33/B880 |
| 889031 | B33.1/2/B890 |
| 889033 | B34/B910 |
| 889034 | B34.1/2/B920 |
| 889036 | B35/B930 |
| 889037 | B35.1/2/B940 |
| 889038 | B35.3/4/A950 |
| 889039 | B36/B960 |
| 889040 | B36.1/2/B970 |
| 889041 | B36.3/4/B975 |
| 889046 | B37/B980 |
| 889047 | B37.1/2/B990 |
| 889048 | B38/B1000 |
| 889049 | B38.1/2/B1020 |
| 889050 | B39/B1030 |
| 889051 | B39.1/2/B1045 |
| 889053 | B40/B1060 |
| 889054 | B40.1/2/B1070 |
| 889055 | B41/B1080 |
| 889056 | B41.1/2/B1090 |
| 889057 | B41.3/4/B1100 |

| Rubix engineering code | Generic code |
|---|---|
| 889058 | B42/B1110 |
| 889059 | B42.1/2/B1120 |
| 889060 | B43/B1130 |
| 889062 | B43.1/4/B1140 |
| 889061 | B43.1/2/B1145 |
| 889064 | B44/B1160 |
| 8890645 | B44.1/4/B1165 |
| 889066 | B45/B1180 |
| 889067 | B45.1/2/B1195 |
| 889068 | B46/B1210 |
| 889069 | B46.1/2/B1220 |
| 889070 | B46.3/4/B1227 |
| 889071 | B47/B1240 |
| 889073 | B47.1/4/B1240 |
| 889072 | B47.1/2/B1250 |
| 889075 | B48/B1260 |
| 889076 | B48.1/2/B1270 |
| 889077 | B49/B1290 |
| 889078 | B50/B1310 |
| 889079 | B51/B1340 |
| 889081 | B52/B1360 |
| 889082 | B53/B1390 |
| 889083 | B53.1/2/B1398 |
| 889084 | B54/B1410 |
| 889085 | B55/B1440 |
| 889086 | B55.1/2/B1450 |
| 889087 | B56/B1460 |
| 889088 | B57/B1490 |
| 889089 | B58/B1510 |
| 889090 | B58.3/4/B1516 |
| 889091 | B59/B1540 |
| 887647 | B59.1/2 |
| 889092 | B60/B1560 |
| 889093 | B61/B1590 |
| 889094 | B62/B1620 |
| 889095 | B63/B1640 |
| 889096 | B64/B1670 |

| Rubix engineering code | Generic code |
|---|---|
| 889097 | B64.1/2/B1678 |
| 889098 | B65/B1690 |
| 889099 | B66/B1720 |
| 889101 | B66.1/4/B1722 |
| 889100 | B66.1/2/B1729 |
| 889102 | B67/B1740 |
| 889103 | B67.1/4/B1748 |
| 889104 | B68/B1760 |
| 889105 | B69/B1800 |
| 889106 | B69.1/2/B1810 |
| 889107 | B70/B1820 |
| 889108 | B71/B1850 |
| 889109 | B72/B1870 |
| 889110 | B73/B1900 |
| 889111 | B74/B1920 |
| 889112 | B75/B1950 |
| 889113 | B76/B1970 |
| 889114 | B77/B2000 |
| 889115 | B78/B2020 |
| 889116 | B79/B2050 |
| 889117 | B80/B2070 |
| 889118 | B80.3/4/B2091 |
| 889119 | B81/B2100 |
| 889120 | B82/B2130 |
| 889121 | B83/B2150 |
| 889122 | B83.1/2/B2160 |
| 889123 | B84/B2180 |
| 889124 | B85/B2200 |
| 889125 | B86/B2230 |
| 889126 | B86.1/2/B2237 |
| 889127 | B87/B2250 |
| 889128 | B88/B2280 |
| 889129 | B89/B2300 |
| 889130 | B90/B2330 |
| 889131 | B91/B2350 |
| 889132 | B92/B2380 |
| 889133 | B93/B2400 |

# B section V belts




- **Belt designation - B52/B1360**
  B52 - Inside length in imperial inches
  B1360 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** B = 0.182

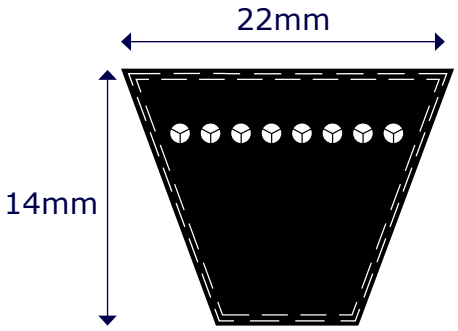
| Rubix engineering code | Generic code |
|---|---|
| 889134 | B94/B2430 |
| 889135 | B94.1/2/B2440 |
| 889136 | B95/B2450 |
| 889137 | B96/B2480 |
| 889138 | B96.1/2/B2490 |
| 889139 | B97/B2500 |
| 889140 | B98/B2530 |
| 889141 | B99/B2560 |
| 888923 | B100/B2580 |
| 888924 | B101/B2610 |
| 888925 | B102/B2630 |
| 888926 | B103/B2660 |
| 888927 | B104/B2680 |
| 888928 | B105/B2710 |
| 888929 | B106/B2740 |
| 888930 | B107/B2760 |
| 888931 | B108/B2790 |
| 888932 | B109/B2810 |
| 888933 | B110/B2840 |
| 888934 | B112/B2890 |
| 888935 | B112.1/2/B2897 |
| 888936 | B114/B2940 |
| 888937 | B115/B2960 |
| 888938 | B116/B2990 |
| 888939 | B118/B3040 |
| 888940 | B120/B3090 |
| 888941 | B122/B3140 |
| 888942 | B124/B3200 |
| 888943 | B126/B3240 |
| 888944 | B127/B3270 |
| 888945 | B128/B3290 |
| 888946 | B130/B3350 |
| 888947 | B131/B3380 |
| 888948 | B132/B3400 |
| 888949 | B133/B3430 |
| 888950 | B134/B3450 |

| Rubix engineering code | Generic code |
|---|---|
| 888951 | B135/B3470 |
| 888952 | B136/B3500 |
| 888953 | B138/B3550 |
| 888954 | B140/B3600 |
| 888955 | B142/B3650 |
| 888956 | B144/B3700 |
| 888957 | B146/B3750 |
| 888958 | B147/B3780 |
| 888959 | B148/B3800 |
| 888960 | B150/B3850 |
| 888961 | B151/B3875 |
| 888962 | B152/B3900 |
| 888963 | B154/B3950 |
| 888964 | B155/B3980 |
| 888965 | B156/B4010 |
| 888966 | B157/B4050 |
| 888967 | B158/B4060 |
| 888968 | B160/B4110 |
| 888969 | B161/B4130 |
| 888970 | B162/B4160 |
| 888971 | B163/B4180 |
| 888972 | B165/B4230 |
| 888973 | B167/B4280 |
| 888974 | B168/B4310 |
| 888975 | B173/B4430 |
| 888976 | B175/B4490 |
| 888977 | B177/B4540 |
| 888978 | B180/B4610 |
| 888979 | B186/B4760 |
| 888980 | B187/A4790 |
| 888981 | B188/B4820 |
| 888982 | B192/B4920 |
| 888983 | B195/B5000 |
| 888984 | B197/B5043 |
| 888985 | B204/B5220 |
| 888986 | B208/B5330 |

| Rubix engineering code | Generic code |
|---|---|
| 888987 | B210/B5370 |
| 888988 | B217/B5550 |
| 888990 | B220/B5630 |
| 888991 | B221/B5660 |
| 888992 | B223/B5700 |
| 888993 | B224/B5730 |
| 888994 | B225/B5760 |
| 888995 | B228/B5830 |
| 888996 | B229/B5860 |
| 888998 | B236/B6040 |
| 888999 | B237/B6060 |
| 889001 | B240/B6140 |
| 889002 | B248/B6340 |
| 889003 | B249/B6365 |
| 889005 | B253/B6470 |
| 889006 | B255/B6520 |
| 889007 | B256/B6545 |
| 889008 | B259/B6620 |
| 889010 | B264/B6750 |
| 889011 | B265/B6770 |
| 889012 | B269/B6880 |
| 889014 | B270/B6900 |
| 889015 | B276/B7050 |
| 889018 | B280/B7150 |
| 889019 | B285/B7280 |
| 889023 | B300/B7660 |
| 889026 | B315/B8040 |
| 889032 | B330/B8422 |
| 889035 | B345/B8800 |
| 889042 | B360/B9184 |
| 889043 | B361/B9209 |
| 889044 | B364/B9285 |
| 889045 | B366/B9336 |
| 889052 | B394/B10047 |
| 889063 | B433/B11038 |
| 889074 | B472/B1202 |
| 889080 | B512/B13044 |

# C section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



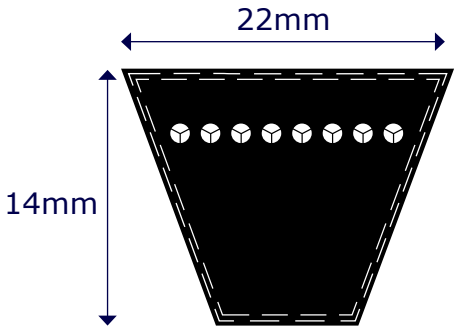

- **Belt designation - C48/C1280**
  C48 - Inside length in imperial inches
  C1280 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** C = 0.299

| Rubix engineering code | Generic code |
|---|---|
| 889219 | C33.3/4/C915 |
| 887648 | C37 |
| 889224 | C37.1/2/C1010 |
| 889225 | C39.3/4/C1067 |
| 889229 | C43/C1150 |
| 887649 | C44 |
| 889230 | C45/C1200 |
| 889231 | C46/C1230 |
| 889232 | C47/C1250 |
| 889233 | C48/C1280 |
| 889234 | C49/C1300 |
| 889235 | C51/C1350 |
| 889236 | C52/C1380 |
| 889237 | C53/C1400 |
| 889238 | C54/C1430 |
| 889239 | C55/C1450 |
| 889240 | C55.1/4/C1460 |
| 889241 | C56/C1480 |
| 889242 | C57/C1500 |
| 889243 | C58/C1530 |
| 889244 | C59/C1560 |
| 889245 | C60/C1580 |
| 889246 | C61/C1610 |
| 889247 | C62/C1630 |
| 889248 | C62.1/4/C1639 |
| 889249 | C63/C1650 |

| Rubix engineering code | Generic code |
|---|---|
| 889250 | C65/C1700 |
| 889251 | C66/C1730 |
| 889252 | C66.1/2/C1740 |
| 889253 | C67/C1760 |
| 889254 | C68/C1780 |
| 889255 | C69/C1810 |
| 889256 | C70/C1830 |
| 889257 | C71/C1860 |
| 889258 | C72/C1880 |
| 889259 | C73/C1910 |
| 889260 | C74/C1940 |
| 889261 | C75/C1960 |
| 889262 | C76/C1990 |
| 889263 | C77/C2010 |
| 889264 | C78/C2040 |
| 889265 | C79/C2060 |
| 889266 | C80/C2090 |
| 889267 | C81/C2110 |
| 889268 | C82/C2140 |
| 889269 | C83/C2160 |
| 889270 | C83.1/2/C2175 |
| 889271 | C84/C2190 |
| 889272 | C85/C2220 |
| 889273 | C86/C2240 |
| 889274 | C87/C2270 |
| 889275 | C88/C2290 |

| Rubix engineering code | Generic code |
|---|---|
| 889276 | C89/C2320 |
| 889277 | C90/C2340 |
| 889278 | C92/C2390 |
| 889279 | C93/C2420 |
| 889280 | C94/C2440 |
| 889281 | C95/C2470 |
| 889282 | C96/C2490 |
| 889283 | C96.1/2/C2510 |
| 889284 | C97/C2520 |
| 889285 | C98/C2550 |
| 889286 | C99/C2570 |
| 889142 | C100/C2600 |
| 889143 | C101/C2620 |
| 889144 | C102/C2650 |
| 889145 | C104/C2700 |
| 889146 | C105/C2720 |
| 889147 | C106/C2750 |
| 887650 | C107 |
| 889148 | C108/C2800 |
| 889149 | C110/C2850 |
| 889150 | C111/C2880 |
| 889151 | C112/C2900 |
| 889152 | C112.1/2/C2915 |
| 889153 | C114/C2950 |
| 889154 | C115/C2980 |
| 889155 | C116/C3000 |

# C section V belts




- **Belt designation - C48/C1280**
  C48 - Inside length in imperial inches
  C1280 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** C = 0.299

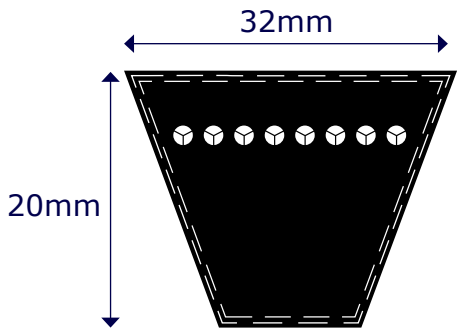
| Rubix engineering code | Generic code |
|---|---|
| 889156 | C117/C3030 |
| 889157 | C118/C3050 |
| 889158 | C120/C3100 |
| 889159 | C122/C3160 |
| 889160 | C124/C3210 |
| 889161 | C126/C3260 |
| 889162 | C128/C3310 |
| 889163 | C130/C3360 |
| 889164 | C132/C3410 |
| 889165 | C134/C3460 |
| 889166 | C136/C3510 |
| 889167 | C138/C3560 |
| 889168 | C140/C3610 |
| 889169 | C142/C3660 |
| 889170 | C144/C3710 |
| 890052 | C146/C3760 |
| 889171 | C147/C3790 |
| 889172 | C148/C3820 |
| 889173 | C150/C3870 |
| 889174 | C153/C3950 |
| 887651 | C154 |
| 889175 | C157/C4045 |
| 889176 | C158/C4070 |
| 889177 | C160/C4120 |
| 889178 | C161.1/2/C4160 |
| 889179 | C162/C4170 |

| Rubix engineering code | Generic code |
|---|---|
| 889180 | C165/C4250 |
| 889181 | C166/C4280 |
| 889182 | C167/C4300 |
| 889183 | C168/C4320 |
| 889184 | C170/C4375 |
| 889185 | C173/C4450 |
| 889186 | C175/C4500 |
| 889187 | C177/C4550 |
| 889188 | C180/C4630 |
| 889189 | C187/C4810 |
| 889190 | C190/C4880 |
| 887652 | C193 |
| 889191 | C195/C5010 |
| 889192 | C197/C5060 |
| 889193 | C204/C5240 |
| 887653 | C205 |
| 889194 | C208/C5340 |
| 889195 | C210/C5390 |
| 889196 | C216/C5540 |
| 889197 | C220/C5640 |
| 889198 | C222/C5700 |
| 889199 | C225/C5770 |
| 889200 | C228/C5850 |
| 889201 | C236/C6050 |

| Rubix engineering code | Generic code |
|---|---|
| 889202 | C238/C6100 |
| 889203 | C240/C6150 |
| 889204 | C248/C6360 |
| 889205 | C250/C6410 |
| 889206 | C255/C6535 |
| 889207 | C265/C6789 |
| 889208 | C270/C6910 |
| 889209 | C276/C7070 |
| 889210 | C280/C7170 |
| 889211 | C285/C7300 |
| 889212 | C295/C7550 |
| 889213 | C297/C7600 |
| 889214 | C300/C7680 |
| 889215 | C303/C7754 |
| 889216 | C314/C8030 |
| 889217 | C316/C8080 |
| 889218 | C320/C8190 |
| 889220 | C330/C8440 |
| 889221 | C336/C8590 |
| 889222 | C345/C8820 |
| 889223 | C360/C9202 |
| 889226 | C394/C10065 |
| 889227 | C420/C10725 |
| 889228 | C424/C10830 |

# D section V belts

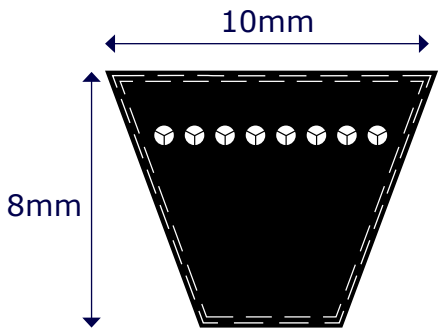
Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.




- **Belt designation - D173/D4470**
  D173 - Inside length in imperial inches
  D4470 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** D = 0.608

| Rubix engineering code | Generic code |
|---|---|
| 890073 | D98/D2560 |
| 887655 | D142.1/2 |
| 890053 | D144/D3730 |
| 887656 | D152 |
| 890054 | D173/D4470 |
| 890055 | D177/D4580 |
| 890056 | D180/D4650 |
| 887657 | D187 |
| 887658 | D194 |
| 890057 | D195/D5030 |
| 890058 | D197/D5080 |
| 890059 | D210/D5400 |
| 890060 | D220/D5670 |
| 890061 | D225/D5800 |
| 887659 | D236 |
| 890062 | D240/D6170 |
| 890063 | D248/D6380 |
| 890064 | D250/D6425 |
| 890065 | D270/D6940 |
| 890066 | D300/D7700 |
| 890067 | D315/D8080 |
| 890068 | D330/D8460 |
| 890069 | D354/D9070 |
| 890070 | D394/D10080 |
| 890071 | D441/D11280 |
| 890072 | D480/D12270 |

# SPZ wedge belts




- **Belt designation**
  SPZ1200E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPZ = 0.079

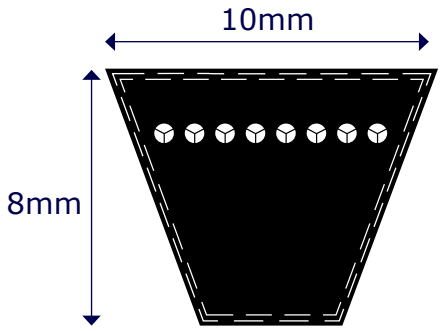
| Rubix engineering code | Generic code |
|---|---|
| 889642 | SPZ487E |
| 889643 | SPZ512E |
| 889644 | SPZ562E |
| 889645 | SPZ587E |
| 889646 | SPZ607E |
| 889647 | SPZ612E |
| 889648 | SPZ630E |
| 889649 | SPZ637E |
| 889650 | SPZ662E |
| 889651 | SPZ670E |
| 889652 | SPZ687E |
| 890470 | SPZ700E |
| 889653 | SPZ710E |
| 890471 | SPZ712E |
| 890472 | SPZ721E |
| 889654 | SPZ722E |
| 889655 | SPZ737E |
| 889656 | SPZ750E |
| 889657 | SPZ762E |
| 889658 | SPZ772E |
| 889659 | SPZ787E |
| 889660 | SPZ800E |
| 890473 | SPZ803E |
| 889661 | SPZ812E |
| 889662 | SPZ825E |

| Rubix engineering code | Generic code |
|---|---|
| 889663 | SPZ837E |
| 889664 | SPZ850E |
| 889665 | SPZ862E |
| 889666 | SPZ875E |
| 889667 | SPZ887E |
| 889668 | SPZ900E |
| 889669 | SPZ912E |
| 889670 | SPZ922E |
| 889671 | SPZ925E |
| 889672 | SPZ937E |
| 889673 | SPZ950E |
| 889674 | SPZ962E |
| 889675 | SPZ975E |
| 889676 | SPZ987E |
| 889539 | SPZ1000E |
| 889540 | SPZ1010E |
| 889541 | SPZ1012E |
| 889542 | SPZ1024E |
| 889543 | SPZ1030E |
| 889544 | SPZ1037E |
| 889545 | SPZ1047E |
| 889546 | SPZ1060E |
| 889547 | SPZ1077E |
| 889548 | SPZ1087E |
| 889549 | SPZ1112E |

| Rubix engineering code | Generic code |
|---|---|
| 889550 | SPZ1120E |
| 889551 | SPZ1137E |
| 889552 | SPZ1140E |
| 889553 | SPZ1147E |
| 889554 | SPZ1150E |
| 889555 | SPZ1162E |
| 889556 | SPZ1180E |
| 889557 | SPZ1187E |
| 889558 | SPZ1200E |
| 889559 | SPZ1202E |
| 889560 | SPZ1212E |
| 889561 | SPZ1220E |
| 889562 | SPZ1237E |
| 889563 | SPZ1250E |
| 889564 | SPZ1262E |
| 889565 | SPZ1270E |
| 889566 | SPZ1287E |
| 889567 | SPZ1300E |
| 889568 | SPZ1312E |
| 889569 | SPZ1320E |
| 889570 | SPZ1337E |
| 889571 | SPZ1340E |
| 889572 | SPZ1347E |
| 890469 | SPZ1348E |
| 889573 | SPZ1360E |

# SPZ wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



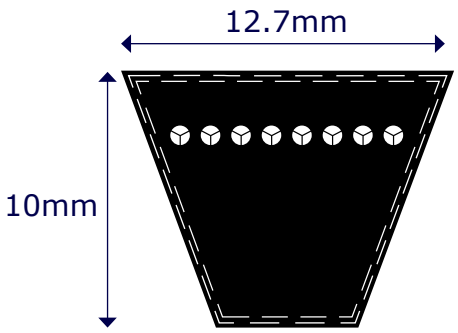

- **Belt designation**
  SPZ1200E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPZ = 0.079

| Rubix engineering code | Generic code |
|---|---|
| 889574 | SPZ1362E |
| 889575 | SPZ1387E |
| 889576 | SPZ1400E |
| 889577 | SPZ1412E |
| 889578 | SPZ1420E |
| 889579 | SPZ1437E |
| 889580 | SPZ1450E |
| 889581 | SPZ1462E |
| 889582 | SPZ1470E |
| 889583 | SPZ1487E |
| 889584 | SPZ1500E |
| 889585 | SPZ1512E |
| 889586 | SPZ1520E |
| 889587 | SPZ1537E |
| 889588 | SPZ1550E |
| 889589 | SPZ1562E |
| 889590 | SPZ1587E |
| 889591 | SPZ1600E |
| 889592 | SPZ1612E |
| 889593 | SPZ1637E |
| 889594 | SPZ1650E |
| 889595 | SPZ1662E |
| 889596 | SPZ1687E |
| 889597 | SPZ1700E |
| 889598 | SPZ1737E |

| Rubix engineering code | Generic code |
|---|---|
| 889599 | SPZ1750E |
| 889600 | SPZ1762E |
| 889601 | SPZ1787E |
| 889602 | SPZ1800E |
| 889603 | SPZ1812E |
| 889604 | SPZ1837E |
| 889605 | SPZ1850E |
| 889606 | SPZ1862E |
| 889607 | SPZ1887E |
| 889608 | SPZ1900E |
| 889609 | SPZ1937E |
| 889610 | SPZ1962E |
| 889611 | SPZ1987E |
| 889612 | SPZ2000E |
| 889613 | SPZ2019E |
| 889614 | SPZ2030E |
| 889615 | SPZ2037E |
| 889616 | SPZ2060E |
| 889617 | SPZ2062E |
| 889618 | SPZ2087E |
| 889619 | SPZ2120E |
| 889620 | SPZ2137E |

| Rubix engineering code | Generic code |
|---|---|
| 889621 | SPZ2150E |
| 889622 | SPZ2160E |
| 889623 | SPZ2180E |
| 889624 | SPZ2187E |
| 889625 | SPZ2240E |
| 889626 | SPZ2262E |
| 889627 | SPZ2287E |
| 889628 | SPZ2360E |
| 889629 | SPZ2410E |
| 889630 | SPZ2437E |
| 889631 | SPZ2487E |
| 889632 | SPZ2500E |
| 889633 | SPZ2540E |
| 889634 | SPZ2650E |
| 889635 | SPZ2690E |
| 889636 | SPZ2800E |
| 889637 | SPZ2840E |
| 889638 | SPZ3000E |
| 889639 | SPZ3150E |
| 889640 | SPZ3350E |
| 889641 | SPZ3550E |

# SPA wedge belts




- **Belt designation**
  SPA2500E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPA = 0.125

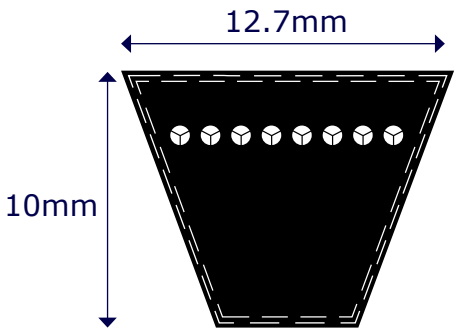
| Rubix engineering code | Generic code |
|---|---|
| 889404 | SPA707E |
| 889405 | SPA732E |
| 889406 | SPA757E |
| 889407 | SPA782E |
| 889408 | SPA800E |
| 889409 | SPA807E |
| 889410 | SPA825E |
| 889411 | SPA832E |
| 889412 | SPA850E |
| 889413 | SPA857E |
| 889414 | SPA875E |
| 889415 | SPA882E |
| 889416 | SPA900E |
| 889417 | SPA907E |
| 889418 | SPA925E |
| 889419 | SPA932E |
| 889420 | SPA950E |
| 889421 | SPA957E |
| 889422 | SPA967E |
| 889423 | SPA975E |
| 889424 | SPA982E |
| 889287 | SPA1000E |
| 889288 | SPA1007E |
| 889289 | SPA1032E |
| 890466 | SPA1057E |

| Rubix engineering code | Generic code |
|---|---|
| 889290 | SPA1060E |
| 889291 | SPA1082E |
| 889292 | SPA1107E |
| 889293 | SPA1120E |
| 889294 | SPA1132E |
| 889295 | SPA1150E |
| 889296 | SPA1157E |
| 889297 | SPA1180E |
| 889298 | SPA1207E |
| 889299 | SPA1220E |
| 889300 | SPA1232E |
| 889301 | SPA1250E |
| 889302 | SPA1257E |
| 889303 | SPA1272E |
| 889304 | SPA1282E |
| 889305 | SPA1307E |
| 889306 | SPA1320E |
| 889307 | SPA1332E |
| 889308 | SPA1357E |
| 889309 | SPA1360E |
| 889310 | SPA1382E |
| 889311 | SPA1400E |
| 889312 | SPA1407E |
| 889313 | SPA1425E |
| 889314 | SPA1432E |

| Rubix engineering code | Generic code |
|---|---|
| 889315 | SPA1450E |
| 889316 | SPA1457E |
| 889317 | SPA1482E |
| 889318 | SPA1500E |
| 889319 | SPA1507E |
| 889320 | SPA1532E |
| 889321 | SPA1550E |
| 889322 | SPA1557E |
| 889323 | SPA1582E |
| 889324 | SPA1600E |
| 889325 | SPA1607E |
| 889326 | SPA1632E |
| 889327 | SPA1650E |
| 889328 | SPA1657E |
| 889329 | SPA1682E |
| 889330 | SPA1700E |
| 889331 | SPA1707E |
| 889332 | SPA1732E |
| 889333 | SPA1750E |
| 889334 | SPA1757E |
| 889335 | SPA1782E |
| 889336 | SPA1800E |
| 889337 | SPA1807E |
| 889338 | SPA1832E |
| 889339 | SPA1850E |

# SPA wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



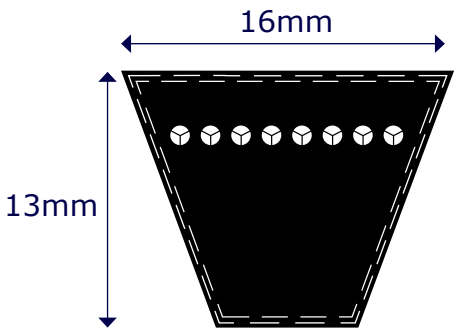

- **Belt designation**
  SPA2500E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPA = 0.125

| Rubix engineering code | Generic code |
|---|---|
| 889340 | SPA1857E |
| 889341 | SPA1882E |
| 889342 | SPA1900E |
| 889343 | SPA1907E |
| 889344 | SPA1925E |
| 889345 | SPA1932E |
| 889346 | SPA1950E |
| 889347 | SPA1957E |
| 889348 | SPA1982E |
| 889349 | SPA2000E |
| 889350 | SPA2032E |
| 889351 | SPA2057E |
| 889352 | SPA2060E |
| 889353 | SPA2082E |
| 889354 | SPA2120E |
| 889355 | SPA2132E |
| 889356 | SPA2180E |
| 889357 | SPA2182E |
| 889358 | SPA2207E |
| 889359 | SPA2232E |
| 889360 | SPA2240E |
| 889361 | SPA2282E |
| 889362 | SPA2300E |

| Rubix engineering code | Generic code |
|---|---|
| 889363 | SPA2307E |
| 889364 | SPA2332E |
| 889365 | SPA2360E |
| 889366 | SPA2382E |
| 889367 | SPA2430E |
| 889368 | SPA2432E |
| 889369 | SPA2482E |
| 889370 | SPA2500E |
| 889371 | SPA2532E |
| 889372 | SPA2580E |
| 889373 | SPA2582E |
| 889374 | SPA2607E |
| 889375 | SPA2632E |
| 889376 | SPA2650E |
| 889377 | SPA2682E |
| 889378 | SPA2720E |
| 889379 | SPA2732E |
| 889380 | SPA2782E |
| 889381 | SPA2800E |
| 889382 | SPA2832E |
| 889383 | SPA2847E |
| 889384 | SPA2882E |
| 889385 | SPA2900E |

| Rubix engineering code | Generic code |
|---|---|
| 889386 | SPA2932E |
| 889387 | SPA2982E |
| 889388 | SPA3000E |
| 889389 | SPA3032E |
| 889390 | SPA3082E |
| 889391 | SPA3150E |
| 889392 | SPA3182E |
| 890467 | SPA3185E |
| 889393 | SPA3250E |
| 889394 | SPA3282E |
| 889395 | SPA3350E |
| 889396 | SPA3382E |
| 890074 | SPA3450E |
| 889397 | SPA3550E |
| 889398 | SPA3650E |
| 889399 | SPA3750E |
| 889400 | SPA4000E |
| 889401 | SPA4250E |
| 889402 | SPA4500E |
| 889403 | SPA4750E |

# SPB wedge belts




- **Belt designation**
  SPB8000E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPB = 0.182

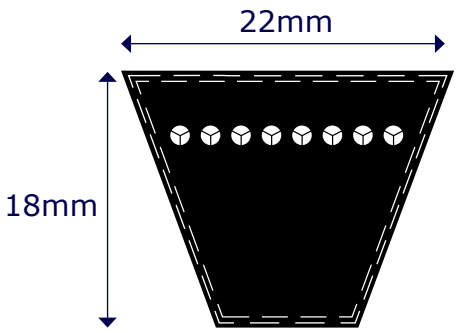
| Rubix engineering code | Generic code |
|---|---|
| 889425 | SPB1250E |
| 889426 | SPB1280E |
| 889427 | SPB1320E |
| 889428 | SPB1360E |
| 889429 | SPB1400E |
| 889430 | SPB1410E |
| 889431 | SPB1450E |
| 889432 | SPB1500E |
| 889433 | SPB1550E |
| 889434 | SPB1600E |
| 889435 | SPB1650E |
| 889436 | SPB1700E |
| 890468 | SPB1720E |
| 889437 | SPB1750E |
| 889438 | SPB1800E |
| 889439 | SPB1850E |
| 889440 | SPB1860E |
| 889441 | SPB1900E |
| 889442 | SPB1950E |
| 889443 | SPB2000E |
| 889444 | SPB2020E |
| 889445 | SPB2060E |
| 889446 | SPB2098E |
| 889447 | SPB2120E |
| 889448 | SPB2150E |
| 889449 | SPB2180E |
| 889450 | SPB2240E |
| 889451 | SPB2264E |
| 889452 | SPB2280E |

| Rubix engineering code | Generic code |
|---|---|
| 889453 | SPB2300E |
| 889454 | SPB2360E |
| 889455 | SPB2391E |
| 889456 | SPB2400E |
| 889457 | SPB2410E |
| 889458 | SPB2430E |
| 889459 | SPB2450E |
| 889460 | SPB2500E |
| 889461 | SPB2530E |
| 889462 | SPB2580E |
| 889463 | SPB2600E |
| 889464 | SPB2650E |
| 889465 | SPB2680E |
| 889466 | SPB2720E |
| 889467 | SPB2800E |
| 889468 | SPB2840E |
| 889469 | SPB2850E |
| 889470 | SPB2900E |
| 889471 | SPB2950E |
| 889472 | SPB3000E |
| 889473 | SPB3070E |
| 889474 | SPB3150E |
| 889475 | SPB3170E |
| 890075 | SPB3200E |
| 889476 | SPB3250E |
| 889477 | SPB3320E |
| 889478 | SPB3350E |
| 889479 | SPB3450E |
| 889480 | SPB3550E |

| Rubix engineering code | Generic code |
|---|---|
| 889481 | SPB3650E |
| 889482 | SPB3750E |
| 889483 | SPB3800E |
| 889484 | SPB3870E |
| 889485 | SPB4000E |
| 889486 | SPB4050E |
| 890076 | SPB4060E |
| 889487 | SPB4120E |
| 889488 | SPB4250E |
| 889489 | SPB4300E |
| 889490 | SPB4370E |
| 889491 | SPB4500E |
| 889492 | SPB4560E |
| 889493 | SPB4620E |
| 889494 | SPB4750E |
| 889495 | SPB4820E |
| 889496 | SPB4870E |
| 889497 | SPB5000E |
| 889498 | SPB5070E |
| 889499 | SPB5300E |
| 889500 | SPB5600E |
| 890077 | SPB5680E |
| 889501 | SPB6000E |
| 889502 | SPB6300E |
| 889503 | SPB6700E |
| 889504 | SPB7100E |
| 889505 | SPB7500E |
| 889506 | SPB8000E |

# SPC wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.

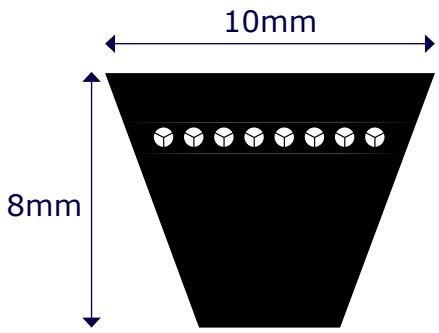



- **Belt designation**
  SPC4250E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPC = 0.348

| Rubix engineering code | Generic code |
|---|---|
| 890078 | SPC1060E |
| 889510 | SPC2000E |
| 889511 | SPC2120E |
| 889512 | SPC2240E |
| 889513 | SPC2360E |
| 889514 | SPC2500E |
| 889515 | SPC2650E |
| 889516 | SPC2800E |
| 890081 | SPC2900E |
| 889517 | SPC3000E |
| 889518 | SPC3150E |
| 889519 | SPC3350E |
| 889520 | SPC3500E |
| 889521 | SPC3550E |
| 889522 | SPC3750E |
| 889523 | SPC4000E |
| 890082 | SPC4100E |
| 889524 | SPC4250E |
| 890083 | SPC4400E |

| Rubix engineering code | Generic code |
|---|---|
| 889525 | SPC4500E |
| 889526 | SPC4750E |
| 889527 | SPC5000E |
| 889528 | SPC5300E |
| 889529 | SPC5600E |
| 889530 | SPC6000E |
| 889531 | SPC6300E |
| 889532 | SPC6700E |
| 889533 | SPC7100E |
| 889534 | SPC7500E |
| 889535 | SPC8000E |
| 889536 | SPC8500E |
| 889537 | SPC9000E |
| 889538 | SPC9500E |
| 889507 | SPC10000E |
| 889508 | SPC10600E |
| 890079 | SPC11200E |
| 889509 | SPC11800E |
| 890080 | SPC13200E |

# XPZ CRE belts




- **Belt designation**
  XPZ1320 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPZ = 0.065

| Rubix engineering code | Generic code |
|---|---|
| 889940 | XPZ512MC |
| 889941 | XPZ562MC |
| 889942 | XPZ587MC |
| 889943 | XPZ607MC |
| 889944 | XPZ612MC |
| 889945 | XPZ630MC |
| 889946 | XPZ637MC |
| 889947 | XPZ662MC |
| 889948 | XPZ670MC |
| 889949 | XPZ687MC |
| 889950 | XPZ710MC |
| 889951 | XPZ722MC |
| 889952 | XPZ730MC |
| 889953 | XPZ737MC |
| 889954 | XPZ750MC |
| 889955 | XPZ762MC |
| 889956 | XPZ772MC |
| 889957 | XPZ787MC |
| 889958 | XPZ800MC |
| 889959 | XPZ812MC |
| 889960 | XPZ837MC |
| 889961 | XPZ850MC |
| 889962 | XPZ852MC |
| 889963 | XPZ862MC |
| 889964 | XPZ875MC |

| Rubix engineering code | Generic code |
|---|---|
| 889965 | XPZ887MC |
| 889966 | XPZ900MC |
| 889967 | XPZ912MC |
| 889968 | XPZ925MC |
| 889969 | XPZ937MC |
| 889970 | XPZ940MC |
| 889971 | XPZ950MC |
| 889972 | XPZ962MC |
| 889973 | XPZ975MC |
| 889974 | XPZ987MC |
| 889860 | XPZ1000MC |
| 889861 | XPZ1012MC |
| 889862 | XPZ1024MC |
| 889863 | XPZ1030MC |
| 889864 | XPZ1037MC |
| 889865 | XPZ1047MC |
| 889866 | XPZ1060MC |
| 889867 | XPZ1062MC |
| 889868 | XPZ1077MC |
| 889869 | XPZ1080MC |
| 889870 | XPZ1087MC |
| 889871 | XPZ1112MC |
| 889872 | XPZ1120MC |
| 889873 | XPZ1137MC |
| 889874 | XPZ1162MC |

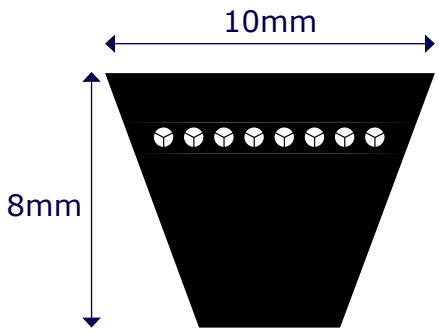
| Rubix engineering code | Generic code |
|---|---|
| 889875 | XPZ1180MC |
| 889876 | XPZ1187MC |
| 889877 | XPZ1202MC |
| 889878 | XPZ1212MC |
| 889879 | XPZ1237MC |
| 889880 | XPZ1250MC |
| 889881 | XPZ1262MC |
| 889882 | XPZ1270MC |
| 889883 | XPZ1280MC |
| 889884 | XPZ1287MC |
| 889885 | XPZ1312MC |
| 889886 | XPZ1320MC |
| 889887 | XPZ1337MC |
| 889888 | XPZ1362MC |
| 889889 | XPZ1387MC |
| 889890 | XPZ1400MC |
| 889891 | XPZ1412MC |
| 889892 | XPZ1420MC |
| 889893 | XPZ1437MC |
| 889894 | XPZ1462MC |
| 889895 | XPZ1470MC |
| 889896 | XPZ1487MC |
| 889897 | XPZ1500MC |
| 889898 | XPZ1512MC |
| 889899 | XPZ1520MC |

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

# XPZ CRE belts

Mecaline V belts conform BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.




- **Belt designation**
  XPZ1320 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPZ = 0.065

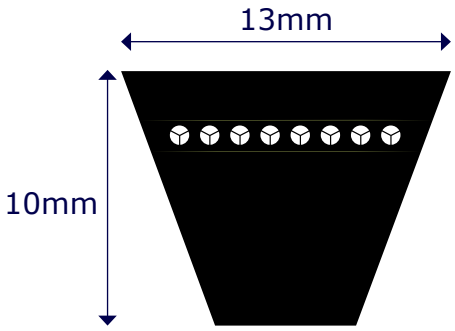
| Rubix engineering code | Generic code |
|---|---|
| 889900 | XPZ1537MC |
| 889901 | XPZ1562MC |
| 889902 | XPZ1587MC |
| 889903 | XPZ1600MC |
| 889904 | XPZ1612MC |
| 889905 | XPZ1637MC |
| 889906 | XPZ1650MC |
| 889907 | XPZ1662MC |
| 889908 | XPZ1700MC |
| 889909 | XPZ1737MC |
| 889910 | XPZ1750MC |
| 889911 | XPZ1762MC |
| 889912 | XPZ1800MC |
| 889913 | XPZ1812MC |
| 889914 | XPZ1850MC |
| 889915 | XPZ1862MC |
| 889916 | XPZ1887MC |
| 889917 | XPZ1900MC |
| 889918 | XPZ1937MC |
| 889919 | XPZ1950MC |

| Rubix engineering code | Generic code |
|---|---|
| 889920 | XPZ2000MC |
| 889921 | XPZ2030MC |
| 889922 | XPZ2037MC |
| 889923 | XPZ2120MC |
| 889924 | XPZ2160MC |
| 889925 | XPZ2240MC |
| 889926 | XPZ2280MC |
| 889927 | XPZ2360MC |
| 889928 | XPZ2410MC |
| 889929 | XPZ2500MC |
| 889930 | XPZ2540MC |
| 889931 | XPZ2650MC |
| 889932 | XPZ2690MC |
| 889933 | XPZ2800MC |
| 889934 | XPZ2840MC |
| 889935 | XPZ3000MC |
| 889936 | XPZ3150MC |
| 889937 | XPZ3170MC |
| 889938 | XPZ3350MC |
| 889939 | XPZ3550MC |

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

# XPA CRE belts




- **Belt designation**
  XPA2500 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPA = 0.115

| Rubix engineering code | Generic code |
|---|---|
| 889767 | XPA667MC |
| 889768 | XPA682MC |
| 889769 | XPA732MC |
| 889770 | XPA757MC |
| 889771 | XPA782MC |
| 889772 | XPA800MC |
| 889773 | XPA807MC |
| 889774 | XPA832MC |
| 889775 | XPA850MC |
| 889776 | XPA857MC |
| 889777 | XPA882MC |
| 889778 | XPA900MC |
| 889779 | XPA907MC |
| 889780 | XPA925MC |
| 889781 | XPA932MC |
| 889782 | XPA950MC |
| 889783 | XPA957MC |
| 889784 | XPA969MC |
| 889785 | XPA982MC |
| 889677 | XPA1000MC |
| 889678 | XPA1007MC |
| 889679 | XPA1030MC |
| 889680 | XPA1032MC |
| 889681 | XPA1057MC |
| 889682 | XPA1060MC |
| 889683 | XPA1082MC |
| 889684 | XPA1107MC |
| 889685 | XPA1120MC |
| 889686 | XPA1132MC |
| 889687 | XPA1150MC |
| 889688 | XPA1157MC |
| 889689 | XPA1162MC |
| 889690 | XPA1180MC |
| 889691 | XPA1182MC |
| 889692 | XPA1207MC |
| 889693 | XPA1232MC |

| Rubix engineering code | Generic code |
|---|---|
| 889694 | XPA1250MC |
| 889695 | XPA1257MC |
| 889696 | XPA1272MC |
| 889697 | XPA1282MC |
| 889698 | XPA1307MC |
| 889699 | XPA1320MC |
| 889700 | XPA1332MC |
| 889701 | XPA1357MC |
| 889702 | XPA1360MC |
| 889703 | XPA1382MC |
| 889704 | XPA1400MC |
| 889705 | XPA1407MC |
| 889706 | XPA1420MC |
| 889707 | XPA1432MC |
| 889708 | XPA1450MC |
| 889709 | XPA1457MC |
| 889710 | XPA1482MC |
| 889711 | XPA1500MC |
| 889712 | XPA1507MC |
| 889713 | XPA1532MC |
| 889714 | XPA1550MC |
| 889715 | XPA1557MC |
| 889716 | XPA1582MC |
| 889717 | XPA1600MC |
| 889718 | XPA1607MC |
| 889719 | XPA1632MC |
| 889720 | XPA1650MC |
| 889721 | XPA1682MC |
| 889722 | XPA1700MC |
| 889723 | XPA1732MC |
| 889724 | XPA1750MC |
| 889725 | XPA1757MC |
| 889726 | XPA1782MC |
| 889727 | XPA1800MC |
| 889728 | XPA1832MC |
| 889729 | XPA1850MC |
| 889730 | XPA1882MC |

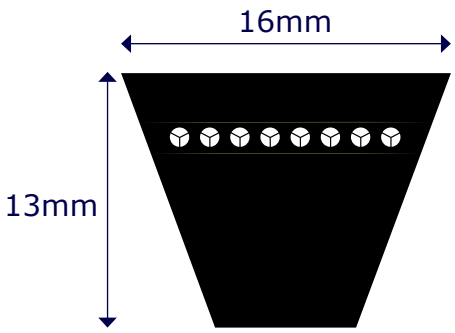
| Rubix engineering code | Generic code |
|---|---|
| 889731 | XPA1900MC |
| 889732 | XPA1932MC |
| 889733 | XPA1950MC |
| 889734 | XPA1957MC |
| 889735 | XPA1982MC |
| 889736 | XPA2000MC |
| 889737 | XPA2032MC |
| 889738 | XPA2057MC |
| 889739 | XPA2082MC |
| 889740 | XPA2120MC |
| 889741 | XPA2160MC |
| 889742 | XPA2182MC |
| 889743 | XPA2240MC |
| 889744 | XPA2282MC |
| 889745 | XPA2300MC |
| 889746 | XPA2360MC |
| 889747 | XPA2432MC |
| 889748 | XPA2482MC |
| 889749 | XPA2500MC |
| 889750 | XPA2532MC |
| 889751 | XPA2582MC |
| 889752 | XPA2607MC |
| 889753 | XPA2632MC |
| 889754 | XPA2650MC |
| 889755 | XPA2682MC |
| 889756 | XPA2732MC |
| 889757 | XPA2782MC |
| 889758 | XPA2800MC |
| 889759 | XPA3000MC |
| 889760 | XPA3150MC |
| 889761 | XPA3350MC |
| 889762 | XPA3550MC |
| 889763 | XPA3750MC |
| 889764 | XPA4000MC |
| 889765 | XPA4250MC |
| 889766 | XPA4500MC |

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

# XPB CRE belts

Mecaline V belts conform BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.




- **Belt designation**
  XPB4500 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPB = 0.170

| Rubix engineering code | Generic code |
|---|---|
| 889786 | XPB1250MC |
| 889787 | XPB1260MC |
| 889788 | XPB1320MC |
| 889789 | XPB1340MC |
| 889790 | XPB1400MC |
| 889791 | XPB1410MC |
| 889792 | XPB1450MC |
| 889793 | XPB1500MC |
| 889794 | XPB1510MC |
| 890084 | XPB1550MC |
| 889795 | XPB1590MC |
| 889796 | XPB1600MC |
| 889797 | XPB1650MC |
| 889798 | XPB1690MC |
| 889799 | XPB1700MC |
| 889800 | XPB1750MC |
| 889801 | XPB1800MC |
| 889802 | XPB1850MC |
| 889803 | XPB1900MC |
| 889804 | XPB1950MC |

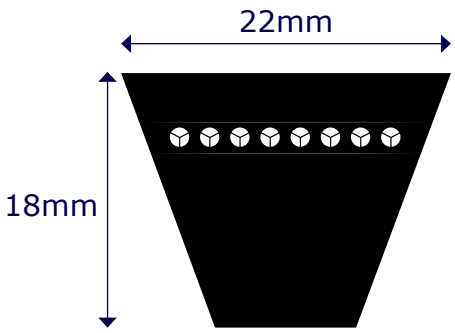
| Rubix engineering code | Generic code |
|---|---|
| 889805 | XPB1970MC |
| 889806 | XPB2000MC |
| 889807 | XPB2020MC |
| 889808 | XPB2060MC |
| 889809 | XPB2120MC |
| 889810 | XPB2150MC |
| 889811 | XPB2180MC |
| 889812 | XPB2240MC |
| 889813 | XPB2280MC |
| 889814 | XPB2300MC |
| 889815 | XPB2360MC |
| 890085 | XPB2400MC |
| 889816 | XPB2410MC |
| 889817 | XPB2430MC |
| 889818 | XPB2500MC |
| 889819 | XPB2530MC |
| 889820 | XPB2580MC |
| 889821 | XPB2650MC |
| 889822 | XPB2680MC |
| 889823 | XPB2800MC |

| Rubix engineering code | Generic code |
|---|---|
| 889824 | XPB2840MC |
| 889825 | XPB2900MC |
| 889826 | XPB2990MC |
| 889827 | XPB3000MC |
| 889828 | XPB3070MC |
| 889829 | XPB3150MC |
| 889830 | XPB3170MC |
| 889831 | XPB3340MC |
| 889832 | XPB3350MC |
| 889833 | XPB3550MC |
| 889834 | XPB3750MC |
| 889835 | XPB3800MC |
| 889836 | XPB4000MC |
| 889837 | XPB4060MC |
| 889838 | XPB4250MC |
| 889839 | XPB4500MC |
| 889840 | XPB4560MC |
| 889841 | XPB4750MC |
| 889842 | XPB5000MC |

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

# XPC CRE belts




- **Belt designation**
  XPC3350 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPC = 0.335

| Rubix engineering code | Generic code |
|---|---|
| 889843 | XPC2000MC |
| 889844 | XPC2120MC |
| 889845 | XPC2240MC |
| 889846 | XPC2360MC |
| 889847 | XPC2500MC |
| 889848 | XPC2650MC |
| 889849 | XPC2800MC |
| 889850 | XPC3000MC |
| 889851 | XPC3150MC |
| 889852 | XPC3350MC |
| 889853 | XPC3550MC |
| 889854 | XPC3750MC |
| 889855 | XPC4000MC |
| 889856 | XPC4250MC |
| 889857 | XPC4500MC |
| 889858 | XPC4750MC |
| 889859 | XPC5000MC |

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

# Drive Design Guide

## Technical information

## Belt selection

**a) Speed ratio:**

Calculate the speed ratio by dividing the rev/min of the faster shaft by the rev/min of the slower shaft.

**b) Service factor:**

From the Table 2 on page 26, select the service factor which is appropriate for the drive.

**c) Design power:**

Multiply the normal running power in kW (absorbed if known) by the service factor.

**d) Belt selection:**

Using Table 1 on the opposite page, align the rev/min of faster shaft along the horizontal axis, at this point trace upwards along the vertical axis. Choose the belt section at point of intersection.

**e) Min pulley diameter:**

From Table 3 on page 26, make a note of the min pulley diameter based on design motor power worked out in *c)*.

**f) Pulley selection:**

Using Table 4 on page 26, select pulley/belt profile and choose suitable combination of drive and driven pulleys to achieve desired or closest ratio.

Avoid using non standard or made to order pulleys. Always check and note appropriate bush sizes on selected pulleys and make sure that they will accommodate shaft sizes on drive.

**g) Belt length:**

To determine the belt length required, refer to the belt length and centre distance formula (page 44). Check on pages 13-23 to determine whether the length of the belt is available. If not choose the nearest available belt length and calculate the exact centre distance from formula given.

**h) Arc and belt length correction factor:**

Whilst choosing desired belt, make a note of the combined arc and belt length correction factor at the top of the vertical axis. The correction factor is obtained by multiplying the belt length factor (found on Table 6 by the arc of contact factor found on page 38.

It is advisable at this point to carry out a belt speed check (formula on page 44). Belt speeds over 30m/s will require different grade of pulley material. Please consult a Mecaline engineer.

### i) Basic power per belt:

Referring to power rating tables on pages 27-34, select the faster shaft speed (speed of small pulley). On this line read across to the column headed by the pitch diameter of the small pulley and note rated power. This is basic rated power per belt.

### j) Additional power rating:

Referring to additional power rating tables on pages 35-36, select the faster shaft speed (speed of small pulley). On this line read across to the column headed by the pitch diameter of the small pulley and note value.

### k) Corrected power belt:

Add the basic power per belt from *i)* to additional power rating found in *k)* and then multiply by the value found in *h)* arc and belt length correction factor.

### l) Number of belts:

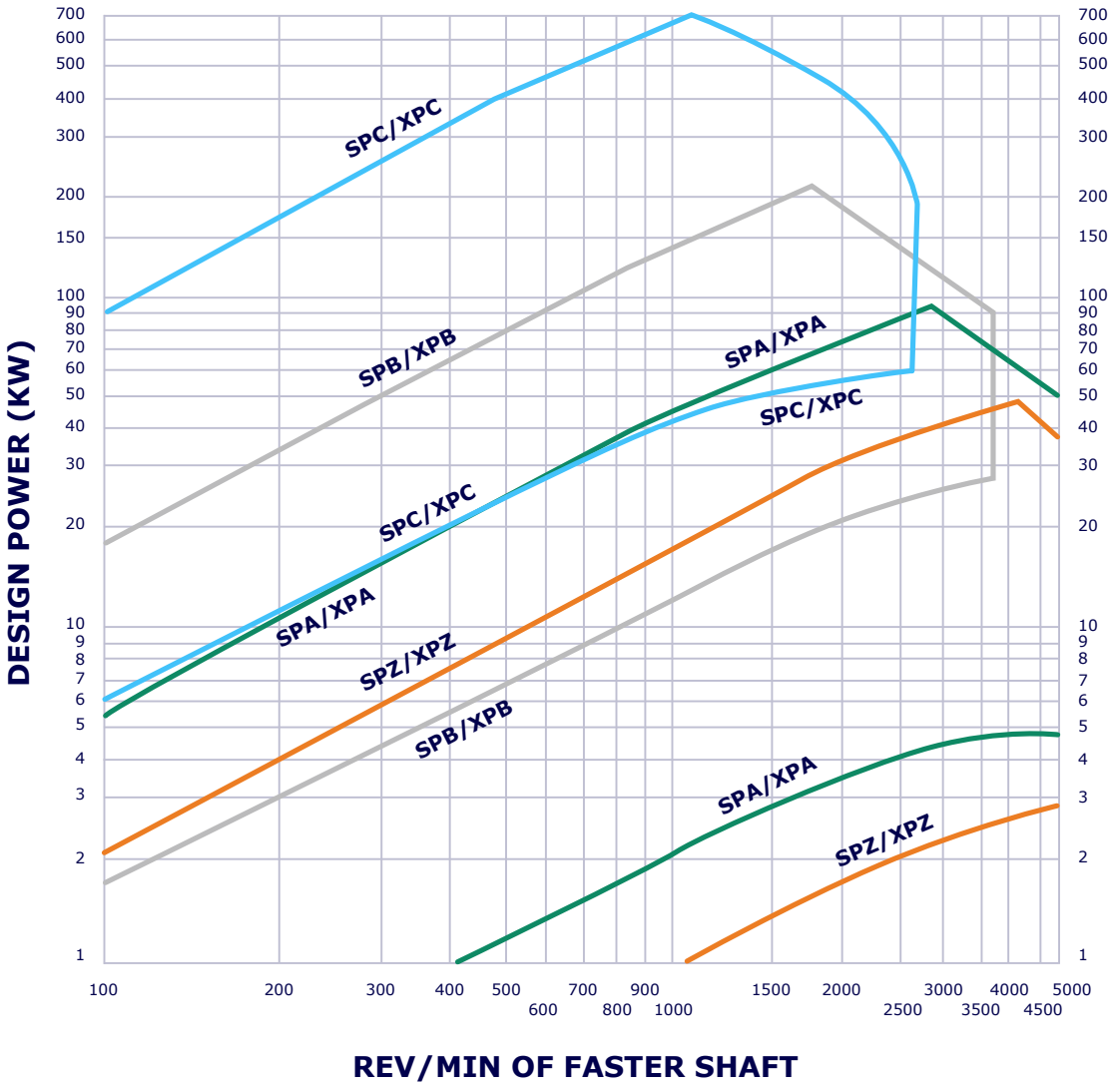
Divide the design power by the value found in *k)*. This will give you the number of belts required for the drive. Always round up to whole number.

### m) Full drive details:

Make a note of the pulley and bush sizes found in *f)* along with the shaft sizes.

- Belt length from finding in *g)*
- Number of belts from calculation in *l)*

Table 1



# Service factor table

## Table 2

| Type of driven machine | | Soft starts | | | 'Heavy' starts | | |
|---|---|---|---|---|---|---|---|
| | | 10 and under | Over 10 to 16 | Over 16 | 10 and under | Over 10 to 16 | Over 16 |
| Class 1 light duty | Agitators (uniform density), blowers, exhausters and fans (up to 7.5kW), centrifugal compressors and pumps belt conveyors (uniformly loaded) | 1.0 | 1.1 | 1.2 | 1.1 | 1.2 | 1.3 |
| Class 2 medium duty | Agitators and mixers (variable density), blowers, exhausters and fans (over 7.5kW), rotary compressors and pumps (other than centrifugal), belt conveyors (not uniformly loaded), generators and exciters, laundry machinery,line shafts, machine tools, printing machinery, bakery machinery, machine tools, lathes, printing machines, screens (rotary) | 1.1 | 1.2 | 1.3 | 1.2 | 1.3 | 1.4 |
| Class 3 heavy duty | Brick machinery, bucket elevators, compressors and pumps (reciprocating), conveyors (heavy duty), hoists mills (hammer), pulverisers punches, presses, shears, quarry plant, rubber machinery, screens (vibrating), textile machinery | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | 1.6 |
| Class 4 extra heavy duty | Calenders, heavy wood working machinery | 1.3 | 1.4 | 1.5 | 1.5 | 1.6 | 1.8 |

### Speed increasing drives

For speed increasing drives of:

Speed ratio 1.00 - 1.24 no additional factor required
Speed ratio 1.25 - 1.74 multiply service factor by 1.05
Speed ratio 1.75 - 2.49 multiply service factor by 1.11
Speed ratio 2.50 - 3.49 multiply service factor by 1.18
Speed ratio 3.50 and over multiply service factor by 1.25

# Pulley dimensions

## Table 3: min pulley diameter selection

| Nominal motor speed rev/min | Motor power (KW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | <3.0 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 75 | 110 |
| 2880 | 67 | 67 | 67 | 67 | 71 | 80 | 95 | 95 | 112 | 125 | 125 | 140 | 170 | 212 |
| 1440 | 67 | 75 | 80 | 80 | 95 | 100 | 112 | 125 | 125 | 140 | 160 | 180 | 212 | 236 |
| 960 | 67 | 75 | 85 | 90 | 106 | 118 | 118 | 125 | 160 | 170 | 180 | 212 | 250 | 280 |
| 720 | 67 | 75 | 90 | 95 | 118 | 125 | 125 | 140 | 160 | 180 | 200 | 250 | 265 | 300 |

## Table 4: standard pulley sizes

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPZ | 56 | 60 | 63 | 71 | 75 | 80 | 85 | 90 | 95 | 100 | 106 | 112 | 118 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | - | - | - |
| SPA | 80 | 85 | 90 | 95 | 100 | 106 | 112 | 118 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | 250 | 315 | 400 | 500 | 630 | - | - | - |
| SPB | 125 | 132 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 212 | 224 | 236 | 250 | 280 | 315 | 355 | 400 | 500 | 630 | 800 | 1000 | - | - |
| SPC | 200 | 212 | 224 | 236 | 250 | 265 | 280 | 300 | 315 | 335 | 355 | 375 | 400 | 425 | 450 | 475 | 500 | 530 | 560 | 630 | 800 | 1000 | 1250 |

# Basic power ratings

## Wedge belts: SPZ

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 71 | 80 | 85 | 90 | 95 | 100 | 112 | 125 | 132 | 140 | 150 | 160 | 180 | 200 |
| 700 | 0.51 | 0.69 | 0.9 | 1.02 | 1.13 | 1.25 | 1.36 | 1.64 | 1.93 | 2.08 | 2.26 | 2.48 | 2.7 | 3.13 | 3.56 |
| 950 | 0.64 | 0.89 | 1.16 | 1.32 | 1.47 | 1.63 | 1.78 | 2.13 | 2.52 | 2.73 | 2.97 | 3.26 | 3.54 | 4.11 | 4.67 |
| 1450 | 0.89 | 1.26 | 1.66 | 1.89 | 2.11 | 2.33 | 2.55 | 3.08 | 3.64 | 3.93 | 4.27 | 4.69 | 5.1 | 5.91 | 6.7 |
| 2850 | 1.41 | 2.08 | 2.81 | 3.21 | 3.62 | 4.01 | 4.39 | 5.29 | 6.24 | 6.74 | 7.28 | 7.94 | 8.58 | 9.78 | 10.86 |
| 100 | 0.09 | 0.12 | 0.15 | 0.18 | 0.2 | 0.22 | 0.24 | 0.28 | 0.33 | 0.35 | 0.38 | 0.42 | 0.45 | 0.53 | 0.6 |
| 200 | 0.18 | 0.24 | 0.3 | 0.34 | 0.37 | 0.41 | 0.44 | 0.53 | 0.62 | 0.67 | 0.72 | 0.79 | 0.87 | 1 | 1.14 |
| 300 | 0.25 | 0.33 | 0.43 | 0.48 | 0.54 | 0.59 | 0.64 | 0.76 | 0.9 | 0.97 | 1.05 | 1.15 | 1.26 | 1.45 | 1.66 |
| 400 | 0.32 | 0.43 | 0.56 | 0.63 | 0.69 | 0.76 | 0.82 | 0.99 | 1.16 | 1.26 | 1.37 | 1.5 | 1.63 | 1.9 | 2.15 |
| 500 | 0.38 | 0.52 | 0.67 | 0.76 | 0.84 | 0.93 | 1.01 | 1.22 | 1.42 | 1.55 | 1.67 | 1.83 | 2 | 2.32 | 2.64 |
| 600 | 0.44 | 0.61 | 0.79 | 0.89 | 0.99 | 1.09 | 1.18 | 1.42 | 1.68 | 1.81 | 1.97 | 2.16 | 2.35 | 2.73 | 3.1 |
| 700 | 0.51 | 0.69 | 0.9 | 1.02 | 1.13 | 1.25 | 1.36 | 1.64 | 1.93 | 2.08 | 2.26 | 2.48 | 2.7 | 3.13 | 3.56 |
| 800 | 0.56 | 0.77 | 1.01 | 1.14 | 1.27 | 1.4 | 1.54 | 1.83 | 2.17 | 2.35 | 2.54 | 2.79 | 3.04 | 3.53 | 4.02 |
| 900 | 0.62 | 0.86 | 1.11 | 1.27 | 1.41 | 1.56 | 1.7 | 2.04 | 2.41 | 2.61 | 2.82 | 3.1 | 3.38 | 3.91 | 4.45 |
| 1000 | 0.67 | 0.93 | 1.22 | 1.38 | 1.55 | 1.7 | 1.85 | 2.24 | 2.64 | 2.85 | 3.1 | 3.4 | 3.71 | 4.3 | 4.88 |
| 1100 | 0.72 | 1 | 1.32 | 1.49 | 1.67 | 1.84 | 2.02 | 2.43 | 2.86 | 3.1 | 3.37 | 3.7 | 4.03 | 4.67 | 5.3 |
| 1200 | 0.77 | 1.08 | 1.42 | 1.61 | 1.8 | 1.99 | 2.17 | 2.62 | 3.09 | 3.35 | 3.64 | 3.99 | 4.34 | 5.04 | 5.72 |
| 1300 | 0.81 | 1.14 | 1.51 | 1.72 | 1.93 | 2.12 | 2.33 | 2.8 | 3.32 | 3.58 | 3.89 | 4.27 | 4.65 | 5.39 | 6.12 |
| 1400 | 0.87 | 1.22 | 1.62 | 1.83 | 2.05 | 2.27 | 2.48 | 2.99 | 3.53 | 3.82 | 4.15 | 4.55 | 4.95 | 5.74 | 6.5 |
| 1500 | 0.91 | 1.29 | 1.71 | 1.94 | 2.17 | 2.4 | 2.63 | 3.16 | 3.74 | 4.05 | 4.4 | 4.82 | 5.25 | 6.08 | 6.88 |
| 1600 | 0.95 | 1.35 | 1.8 | 2.05 | 2.29 | 2.53 | 2.77 | 3.35 | 3.96 | 4.27 | 4.65 | 5.09 | 5.54 | 6.41 | 7.25 |
| 1700 | 1 | 1.42 | 1.9 | 2.15 | 2.41 | 2.66 | 2.92 | 3.51 | 4.16 | 4.5 | 4.88 | 5.36 | 5.82 | 6.74 | 7.61 |
| 1800 | 1.04 | 1.48 | 1.98 | 2.26 | 2.52 | 2.79 | 3.06 | 3.69 | 4.36 | 4.72 | 5.12 | 5.61 | 6.1 | 7.05 | 7.96 |
| 1900 | 1.08 | 1.55 | 2.07 | 2.35 | 2.64 | 2.92 | 3.19 | 3.85 | 4.55 | 4.93 | 5.35 | 5.86 | 6.37 | 7.35 | 8.3 |
| 2000 | 1.12 | 1.61 | 2.15 | 2.45 | 2.75 | 3.04 | 3.33 | 4.02 | 4.75 | 5.14 | 5.57 | 6.11 | 6.63 | 7.65 | 8.62 |
| 2100 | 1.15 | 1.67 | 2.24 | 2.54 | 2.85 | 3.16 | 3.46 | 4.18 | 4.94 | 5.35 | 5.8 | 6.35 | 6.89 | 7.94 | 8.93 |
| 2200 | 1.2 | 1.73 | 2.32 | 2.65 | 2.97 | 3.29 | 3.6 | 4.34 | 5.13 | 5.54 | 6.01 | 6.58 | 7.14 | 8.22 | 9.24 |
| 2300 | 1.23 | 1.78 | 2.4 | 2.74 | 3.07 | 3.4 | 3.73 | 4.5 | 5.32 | 5.74 | 6.22 | 6.81 | 7.39 | 8.49 | 9.53 |
| 2400 | 1.27 | 1.84 | 2.48 | 2.82 | 3.17 | 3.51 | 3.85 | 4.65 | 5.49 | 5.93 | 6.43 | 7.04 | 7.62 | 8.75 | 9.8 |
| 2500 | 1.3 | 1.9 | 2.55 | 2.92 | 3.28 | 3.63 | 3.98 | 4.8 | 5.67 | 6.12 | 6.62 | 7.24 | 7.85 | 8.99 | 10.05 |
| 2600 | 1.34 | 1.95 | 2.64 | 3.01 | 3.37 | 3.74 | 4.1 | 4.94 | 5.83 | 6.29 | 6.82 | 7.46 | 8.07 | 9.23 | 10.3 |
| 2700 | 1.37 | 2.01 | 2.71 | 3.09 | 3.47 | 3.84 | 4.21 | 5.09 | 5.99 | 6.48 | 7 | 7.65 | 8.28 | 9.46 | 10.54 |
| 2800 | 1.4 | 2.06 | 2.78 | 3.17 | 3.56 | 3.96 | 4.34 | 5.22 | 6.16 | 6.64 | 7.19 | 7.85 | 8.49 | 9.67 | 10.75 |
| 2900 | 1.43 | 2.1 | 2.85 | 3.26 | 3.66 | 4.06 | 4.45 | 5.37 | 6.31 | 6.82 | 7.36 | 8.03 | 8.68 | 9.88 | 10.95 |
| 3000 | 1.46 | 2.15 | 2.93 | 3.34 | 3.75 | 4.16 | 4.55 | 5.49 | 6.47 | 6.97 | 7.54 | 8.22 | 8.87 | 10.07 | 11.13 |
| 3100 | 1.48 | 2.2 | 2.99 | 3.42 | 3.84 | 4.25 | 4.67 | 5.62 | 6.61 | 7.13 | 7.7 | 8.39 | 9.04 | 10.25 | 11.31 |
| 3200 | 1.51 | 2.25 | 3.06 | 3.49 | 3.92 | 4.36 | 4.77 | 5.75 | 6.76 | 7.28 | 7.86 | 8.56 | 9.21 | 10.41 | 11.46 |
| 3300 | 1.55 | 2.3 | 3.12 | 3.57 | 4.02 | 4.45 | 4.87 | 5.87 | 6.9 | 7.43 | 8.01 | 8.71 | 9.37 | 10.58 | 11.6 |
| 3400 | 1.57 | 2.34 | 3.18 | 3.65 | 4.1 | 4.54 | 4.98 | 5.99 | 7.04 | 7.57 | 8.16 | 8.86 | 9.53 | 10.71 | 11.72 |
| 3500 | 1.6 | 2.38 | 3.24 | 3.72 | 4.17 | 4.63 | 5.08 | 6.11 | 7.16 | 7.7 | 8.3 | 9 | 9.66 | 10.85 | 11.81 |
| 3600 | 1.62 | 2.42 | 3.31 | 3.78 | 4.25 | 4.72 | 5.17 | 6.21 | 7.28 | 7.83 | 8.44 | 9.14 | 9.8 | 10.96 | 11.9 |
| 3700 | 1.64 | 2.46 | 3.37 | 3.85 | 4.34 | 4.8 | 5.26 | 6.32 | 7.41 | 7.95 | 8.56 | 9.26 | 9.92 | 11.06 | 11.96 |
| 3800 | 1.66 | 2.5 | 3.42 | 3.91 | 4.41 | 4.88 | 5.35 | 6.43 | 7.52 | 8.08 | 8.67 | 9.38 | 10.03 | 11.14 | 12.01 |
| 3900 | 1.68 | 2.54 | 3.48 | 3.99 | 4.48 | 4.96 | 5.44 | 6.53 | 7.62 | 8.18 | 8.79 | 9.49 | 10.14 | 11.22 | 12.03 |
| 4000 | 1.7 | 2.58 | 3.53 | 4.05 | 4.55 | 5.04 | 5.52 | 6.62 | 7.73 | 8.29 | 8.89 | 9.59 | 10.22 | 11.28 | 12.04 |
| 4100 | 1.72 | 2.62 | 3.58 | 4.11 | 4.61 | 5.11 | 5.6 | 6.72 | 7.83 | 8.38 | 8.98 | 9.68 | 10.3 | 11.32 | 12.02 |
| 4200 | 1.74 | 2.65 | 3.64 | 4.16 | 4.68 | 5.18 | 5.68 | 6.8 | 7.92 | 8.48 | 9.07 | 9.75 | 10.37 | 11.35 | 11.98 |
| 4300 | 1.76 | 2.68 | 3.68 | 4.22 | 4.75 | 5.25 | 5.75 | 6.88 | 8 | 8.56 | 9.16 | 9.83 | 10.42 | 11.36 | 11.93 |
| 4400 | 1.77 | 2.71 | 3.73 | 4.27 | 4.8 | 5.33 | 5.82 | 6.96 | 8.09 | 8.64 | 9.23 | 9.89 | 10.47 | 11.35 | 11.85 |
| 4500 | 1.79 | 2.74 | 3.77 | 4.33 | 4.86 | 5.39 | 5.89 | 7.04 | 8.16 | 8.71 | 9.29 | 9.94 | 10.51 | 11.33 | 11.74 |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## Wedge belts: SPA

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90 | 100 | 112 | 118 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 315 |
| 700 | 1.20 | 1.59 | 2.04 | 2.27 | 2.53 | 2.79 | 3.09 | 3.46 | 3.83 | 4.56 | 5.28 | 6.14 | 7.05 | 8.09 | 9.27 |
| 950 | 1.52 | 2.03 | 2.64 | 2.94 | 3.29 | 3.63 | 4.02 | 4.51 | 5.00 | 5.94 | 6.89 | 8.00 | 9.18 | 10.51 | 12.02 |
| 1450 | 2.09 | 2.83 | 3.72 | 4.15 | 4.66 | 5.16 | 5.73 | 6.43 | 7.12 | 8.48 | 9.80 | 11.34 | 12.95 | 14.72 | 16.66 |
| 2850 | 3.22 | 4.52 | 6.05 | 6.79 | 7.64 | 8.47 | 9.39 | 10.51 | 11.58 | 13.60 | 15.41 | 17.30 | 18.97 | 20.36 | 21.18 |
| 100 | 0.23 | 0.30 | 0.37 | 0.40 | 0.45 | 0.49 | 0.55 | 0.61 | 0.66 | 0.78 | 0.91 | 1.05 | 1.21 | 1.38 | 1.59 |
| 200 | 0.42 | 0.55 | 0.69 | 0.76 | 0.84 | 0.93 | 1.02 | 1.13 | 1.25 | 1.48 | 1.71 | 1.99 | 2.28 | 2.62 | 3.00 |
| 300 | 0.60 | 0.77 | 0.98 | 1.09 | 1.21 | 1.33 | 1.46 | 1.64 | 1.80 | 2.14 | 2.47 | 2.87 | 3.30 | 3.78 | 4.35 |
| 400 | 0.76 | 0.99 | 1.27 | 1.40 | 1.56 | 1.71 | 1.90 | 2.11 | 2.34 | 2.77 | 3.20 | 3.73 | 4.27 | 4.91 | 5.64 |
| 500 | 0.92 | 1.20 | 1.54 | 1.70 | 1.90 | 2.08 | 2.31 | 2.58 | 2.84 | 3.39 | 3.91 | 4.55 | 5.23 | 6.01 | 6.89 |
| 600 | 1.06 | 1.39 | 1.79 | 1.99 | 2.21 | 2.44 | 2.70 | 3.03 | 3.35 | 3.98 | 4.60 | 5.36 | 6.15 | 7.06 | 8.11 |
| 700 | 1.20 | 1.59 | 2.04 | 2.27 | 2.53 | 2.79 | 3.09 | 3.46 | 3.83 | 4.56 | 5.28 | 6.14 | 7.05 | 8.09 | 9.27 |
| 800 | 1.33 | 1.76 | 2.29 | 2.53 | 2.83 | 3.13 | 3.47 | 3.88 | 4.31 | 5.13 | 5.93 | 6.90 | 7.92 | 9.07 | 10.40 |
| 900 | 1.46 | 1.95 | 2.51 | 2.80 | 3.13 | 3.46 | 3.84 | 4.31 | 4.77 | 5.68 | 6.57 | 7.64 | 8.77 | 10.04 | 11.50 |
| 1000 | 1.59 | 2.11 | 2.75 | 3.06 | 3.43 | 3.79 | 4.20 | 4.71 | 5.21 | 6.21 | 7.20 | 8.35 | 9.59 | 10.97 | 12.54 |
| 1100 | 1.70 | 2.29 | 2.98 | 3.32 | 3.71 | 4.11 | 4.55 | 5.11 | 5.66 | 6.74 | 7.81 | 9.05 | 10.38 | 11.87 | 13.53 |
| 1200 | 1.81 | 2.44 | 3.19 | 3.56 | 3.99 | 4.42 | 4.89 | 5.49 | 6.09 | 7.25 | 8.39 | 9.73 | 11.16 | 12.73 | 14.49 |
| 1300 | 1.93 | 2.61 | 3.40 | 3.80 | 4.26 | 4.72 | 5.23 | 5.87 | 6.51 | 7.76 | 8.97 | 10.39 | 11.89 | 13.56 | 15.40 |
| 1400 | 2.04 | 2.76 | 3.62 | 4.04 | 4.52 | 5.01 | 5.56 | 6.24 | 6.91 | 8.24 | 9.53 | 11.03 | 12.61 | 14.34 | 16.25 |
| 1500 | 2.14 | 2.90 | 3.81 | 4.26 | 4.78 | 5.29 | 5.88 | 6.60 | 7.31 | 8.71 | 10.07 | 11.65 | 13.29 | 15.09 | 17.05 |
| 1600 | 2.25 | 3.05 | 4.02 | 4.49 | 5.04 | 5.58 | 6.19 | 6.95 | 7.70 | 9.17 | 10.59 | 12.24 | 13.94 | 15.79 | 17.80 |
| 1700 | 2.34 | 3.19 | 4.20 | 4.71 | 5.28 | 5.85 | 6.50 | 7.29 | 8.09 | 9.61 | 11.09 | 12.80 | 14.55 | 16.46 | 18.48 |
| 1800 | 2.43 | 3.33 | 4.39 | 4.91 | 5.52 | 6.12 | 6.80 | 7.63 | 8.45 | 10.04 | 11.58 | 13.35 | 15.14 | 17.08 | 19.11 |
| 1900 | 2.52 | 3.46 | 4.57 | 5.12 | 5.76 | 6.38 | 7.09 | 7.95 | 8.81 | 10.47 | 12.05 | 13.86 | 15.70 | 17.64 | 19.66 |
| 2000 | 2.61 | 3.60 | 4.75 | 5.33 | 5.98 | 6.63 | 7.36 | 8.26 | 9.15 | 10.86 | 12.49 | 14.35 | 16.21 | 18.17 | 20.15 |
| 2100 | 2.69 | 3.72 | 4.92 | 5.52 | 6.20 | 6.88 | 7.63 | 8.57 | 9.49 | 11.25 | 14.81 | 16.70 | 18.64 | 20.57 | 0.06 |
| 2200 | 2.77 | 3.84 | 5.09 | 5.71 | 6.42 | 7.12 | 7.90 | 8.86 | 9.81 | 11.62 | 15.24 | 17.14 | 19.07 | 20.92 | 0.06 |
| 2300 | 2.85 | 3.96 | 5.25 | 5.89 | 6.62 | 7.34 | 8.16 | 9.15 | 10.11 | 11.97 | 15.65 | 17.54 | 19.43 | 21.19 | 0.07 |
| 2400 | 2.93 | 4.07 | 5.41 | 6.07 | 6.82 | 7.57 | 8.41 | 9.41 | 10.41 | 12.30 | 14.07 | 16.03 | 17.90 | 19.74 | 21.38 |
| 2500 | 3.00 | 4.18 | 5.56 | 6.24 | 7.01 | 7.78 | 8.63 | 9.68 | 10.69 | 12.62 | 14.41 | 16.37 | 18.22 | 19.98 | 21.49 |
| 2600 | 3.07 | 4.29 | 5.71 | 6.41 | 7.20 | 7.98 | 8.87 | 9.93 | 10.96 | 12.93 | 14.73 | 16.68 | 18.49 | 20.18 | 21.52 |
| 2700 | 3.13 | 4.39 | 5.85 | 6.56 | 7.39 | 8.19 | 9.08 | 10.17 | 11.22 | 13.20 | 15.02 | 16.95 | 18.73 | 20.30 | 21.44 |
| 2800 | 3.19 | 4.48 | 5.98 | 6.72 | 7.55 | 8.37 | 9.29 | 10.40 | 11.46 | 13.47 | 15.29 | 17.19 | 18.90 | 20.36 | 21.29 |
| 2900 | 3.24 | 4.57 | 6.11 | 6.86 | 7.72 | 8.56 | 9.49 | 10.62 | 11.69 | 13.71 | 15.52 | 17.40 | 19.03 | 20.35 | 21.04 |
| 3000 | 3.31 | 4.66 | 6.23 | 7.00 | 7.88 | 8.73 | 9.68 | 10.82 | 11.91 | 13.94 | 15.74 | 17.57 | 19.12 | 20.28 | - |
| 3100 | 3.35 | 4.74 | 6.36 | 7.14 | 8.02 | 8.89 | 9.86 | 11.01 | 12.11 | 14.14 | 15.92 | 17.71 | 19.15 | - | - |
| 3200 | 3.40 | 4.82 | 6.47 | 7.26 | 8.17 | 9.05 | 10.02 | 11.19 | 12.30 | 14.33 | 16.08 | 17.80 | 19.13 | - | - |
| 3300 | 3.44 | 4.89 | 6.57 | 7.39 | 8.30 | 9.20 | 10.18 | 11.35 | 12.46 | 14.48 | 16.21 | 17.85 | 19.06 | - | - |
| 3500 | 3.52 | 5.03 | 6.77 | 7.60 | 8.55 | 9.46 | 10.47 | 11.65 | 12.76 | 14.74 | 16.38 | 17.84 | 18.74 | - | - |
| 3800 | 3.61 | 5.20 | 7.00 | 7.87 | 8.85 | 9.78 | 10.79 | 11.98 | 13.07 | 14.96 | 16.40 | 17.49 | - | - | - |
| 3900 | 3.63 | 5.24 | 7.08 | 7.95 | 8.93 | 9.87 | 10.88 | 12.06 | 13.14 | 14.98 | 16.34 | 17.28 | - | - | - |
| 4000 | 3.65 | 5.28 | 7.14 | 8.01 | 9.00 | 9.94 | 10.96 | 12.13 | 13.19 | 14.98 | 16.24 | 17.03 | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## Wedge belts: SPB

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 140 | 150 | 160 | 180 | 190 | 200 | 212 | 224 | 236 | 250 | 280 | 315 | 355 | 375 | 400 |
| 700 | 3.55 | 4.15 | 4.75 | 5.93 | 6.52 | 7.11 | 7.81 | 8.5 | 9.18 | 9.98 | 11.66 | 13.6 | 15.75 | 16.81 | 18.11 |
| 950 | 4.54 | 5.34 | 6.12 | 7.67 | 8.44 | 9.2 | 10.1 | 11 | 11.9 | 12.93 | 15.09 | 17.54 | 20.25 | 21.56 | 23.17 |
| 1450 | 6.26 | 7.41 | 8.53 | 10.74 | 11.82 | 12.9 | 14.16 | 15.4 | 16.62 | 18.02 | 20.9 | 24.05 | 27.38 | 28.91 | 30.71 |
| 2850 | 9.33 | 11.14 | 12.9 | 16.17 | 17.69 | 19.12 | 20.72 | 22.21 | 23.55 | 24.93 | 27.18 | 28.5 | - | - | - |
| 100 | 0.67 | 0.77 | 0.87 | 1.06 | 1.16 | 1.26 | 1.38 | 1.49 | 1.61 | 1.74 | 2.03 | 2.36 | 2.73 | 2.92 | 3.15 |
| 200 | 1.24 | 1.42 | 1.61 | 1.99 | 2.17 | 2.36 | 2.58 | 2.8 | 3.02 | 3.28 | 3.82 | 4.45 | 5.16 | 5.51 | 5.95 |
| 300 | 1.75 | 2.02 | 2.3 | 2.84 | 3.11 | 3.38 | 3.71 | 4.03 | 4.35 | 4.72 | 5.51 | 6.42 | 7.46 | 7.96 | 8.6 |
| 400 | 2.23 | 2.59 | 2.95 | 3.66 | 4.02 | 4.37 | 4.79 | 5.2 | 5.62 | 6.11 | 7.13 | 8.31 | 9.65 | 10.32 | 11.13 |
| 500 | 2.69 | 3.13 | 3.57 | 4.44 | 4.88 | 5.3 | 5.82 | 6.33 | 6.85 | 7.44 | 8.69 | 10.14 | 11.76 | 12.58 | 13.57 |
| 600 | 3.13 | 3.65 | 4.17 | 5.2 | 5.72 | 6.22 | 6.83 | 7.44 | 8.03 | 8.72 | 10.21 | 11.9 | 13.8 | 14.74 | 15.89 |
| 700 | 3.55 | 4.15 | 4.75 | 5.93 | 6.52 | 7.11 | 7.81 | 8.5 | 9.18 | 9.98 | 11.66 | 13.6 | 15.75 | 16.81 | 18.11 |
| 800 | 3.96 | 4.64 | 5.32 | 6.64 | 7.3 | 7.96 | 8.75 | 9.53 | 10.29 | 11.19 | 13.07 | 15.22 | 17.61 | 18.79 | 20.22 |
| 900 | 4.35 | 5.1 | 5.85 | 7.33 | 8.07 | 8.8 | 9.66 | 10.52 | 11.37 | 12.35 | 14.43 | 16.78 | 19.4 | 20.66 | 22.21 |
| 1000 | 4.73 | 5.55 | 6.38 | 8 | 8.81 | 9.6 | 10.55 | 11.48 | 12.41 | 13.48 | 15.73 | 18.27 | 21.07 | 22.43 | 24.08 |
| 1100 | 5.09 | 5.99 | 6.88 | 8.65 | 9.52 | 10.38 | 11.4 | 12.41 | 13.41 | 14.56 | 16.99 | 19.69 | 22.66 | 24.09 | 25.81 |
| 1200 | 5.44 | 6.42 | 7.38 | 9.27 | 10.21 | 11.13 | 12.23 | 13.31 | 14.38 | 15.6 | 18.17 | 21.04 | 24.15 | 25.63 | 27.41 |
| 1300 | 5.78 | 6.82 | 7.85 | 9.88 | 10.88 | 11.86 | 13.02 | 14.17 | 15.31 | 16.6 | 19.31 | 22.31 | 25.52 | 27.04 | 28.85 |
| 1400 | 6.11 | 7.21 | 8.31 | 10.45 | 11.52 | 12.56 | 13.79 | 15 | 16.19 | 17.56 | 20.38 | 23.49 | 26.79 | 28.33 | 30.14 |
| 1500 | 6.42 | 7.59 | 8.76 | 11.02 | 12.13 | 13.23 | 14.52 | 15.79 | 17.04 | 18.46 | 21.39 | 24.59 | 27.92 | 29.47 | 31.25 |
| 1600 | 6.73 | 7.95 | 9.18 | 11.56 | 12.72 | 13.87 | 15.22 | 16.54 | 17.84 | 19.31 | 22.33 | 25.6 | 28.94 | 30.46 | 32.19 |
| 1700 | 7.01 | 8.3 | 9.58 | 12.07 | 13.29 | 14.48 | 15.89 | 17.26 | 18.6 | 20.12 | 23.21 | 26.5 | 29.82 | 31.29 | 32.94 |
| 1800 | 7.28 | 8.64 | 9.97 | 12.57 | 13.83 | 15.07 | 16.52 | 17.93 | 19.31 | 20.87 | 24 | 27.31 | 30.56 | 31.96 | 33.5 |
| 1900 | 7.55 | 8.96 | 10.34 | 13.04 | 14.34 | 15.63 | 17.12 | 18.57 | 19.97 | 21.56 | 24.73 | 28.01 | 31.15 | 32.47 | 33.84 |
| 2000 | 7.8 | 9.26 | 10.69 | 13.48 | 14.83 | 16.14 | 17.68 | 19.16 | 20.59 | 22.2 | 25.37 | 28.59 | 31.59 | 32.79 | 33.97 |
| 2100 | 8.03 | 9.55 | 11.03 | 13.91 | 15.29 | 16.62 | 18.19 | 19.7 | 21.16 | 22.76 | 25.94 | 29.08 | 31.86 | 32.91 | 33.87 |
| 2200 | 8.25 | 9.82 | 11.35 | 14.3 | 15.71 | 17.08 | 18.67 | 20.2 | 21.66 | 23.28 | 26.41 | 29.43 | 31.97 | 32.85 | 33.54 |
| 2300 | 8.46 | 10.07 | 11.64 | 14.66 | 16.1 | 17.5 | 19.12 | 20.65 | 22.11 | 23.73 | 26.8 | 29.66 | 31.9 | 32.57 | - |
| 2400 | 8.65 | 10.31 | 11.92 | 15 | 16.47 | 17.88 | 19.51 | 21.05 | 22.52 | 24.1 | 27.09 | 29.77 | 31.65 | 32.08 | - |
| 2500 | 8.83 | 10.53 | 12.17 | 15.32 | 16.8 | 18.22 | 19.86 | 21.4 | 22.86 | 24.42 | 27.29 | 29.74 | 31.21 | - | - |
| 2600 | 8.99 | 10.72 | 12.41 | 15.59 | 17.1 | 18.53 | 20.17 | 21.7 | 23.13 | 24.66 | 27.39 | 29.56 | - | - | - |
| 2700 | 9.14 | 10.91 | 12.62 | 15.84 | 17.36 | 18.8 | 20.43 | 21.94 | 23.34 | 24.82 | 27.39 | 29.25 | - | - | - |
| 2800 | 9.27 | 11.07 | 12.81 | 16.07 | 17.58 | 19.02 | 20.64 | 22.14 | 23.49 | 24.91 | 27.27 | 28.79 | - | - | - |
| 2900 | 9.38 | 11.22 | 12.98 | 16.25 | 17.78 | 19.21 | 20.8 | 22.26 | 23.58 | 24.92 | 27.06 | 28.17 | - | - | - |
| 3000 | 9.58 | 11.45 | 13.25 | 16.57 | 18.1 | 19.53 | 21.11 | 22.54 | 23.81 | 25.08 | 26.98 | - | - | - | - |
| 3100 | 9.57 | 11.44 | 13.24 | 16.54 | 18.05 | 19.44 | 20.97 | 22.34 | 23.53 | 24.69 | - | - | - | - | - |
| 3200 | 9.63 | 11.54 | 13.34 | 16.63 | 18.12 | 19.49 | 20.98 | 22.28 | 23.39 | 24.44 | - | - | - | - | - |
| 3300 | 9.68 | 11.6 | 13.4 | 16.69 | 18.15 | 19.49 | 20.93 | 22.17 | 23.19 | 24.11 | - | - | - | - | - |
| 3500 | 9.72 | 11.66 | 13.46 | 16.7 | 18.1 | 19.35 | 20.65 | 21.72 | 22.55 | 23.18 | - | - | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## Wedge belts: SPC

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 224 | 250 | 280 | 300 | 315 | 335 | 355 | 375 | 400 | 450 | 500 | 560 | 630 | 710 |
| 700 | 10.76 | 13.52 | 16.66 | 18.72 | 20.25 | 22.27 | 24.26 | 26.24 | 28.68 | 33.42 | 38 | 43.26 | 49.07 | 55.21 |
| 950 | 13.68 | 17.26 | 21.29 | 23.92 | 25.86 | 28.4 | 30.9 | 33.36 | 36.34 | 42.06 | 47.42 | 53.33 | 59.46 | 65.33 |
| 1450 | 18.39 | 23.27 | 28.63 | 32.05 | 34.52 | 37.69 | 40.72 | 43.59 | 46.95 | 52.87 | 57.63 | 61.63 | 63.72 | - |
| 2850 | 21.34 | 26.43 | 30.65 | 32.41 | 33.13 | 0.47 | 3.7 | 5.29 | 6.52 | - | - | - | - | - |
| 50 | 1 | 1.24 | 1.52 | 1.7 | 1.85 | 2.02 | 2.2 | 2.39 | 2.61 | 3.05 | 3.5 | 4.03 | 4.64 | 5.34 |
| 100 | 1.95 | 2.42 | 2.94 | 3.29 | 3.55 | 3.91 | 4.25 | 4.59 | 5.03 | 5.88 | 6.73 | 7.74 | 8.91 | 10.23 |
| 200 | 3.67 | 4.55 | 5.56 | 6.24 | 6.74 | 7.39 | 8.06 | 8.71 | 9.53 | 11.16 | 12.76 | 14.67 | 16.88 | 19.36 |
| 300 | 5.25 | 6.54 | 8 | 8.98 | 9.7 | 10.67 | 11.62 | 12.58 | 13.76 | 16.11 | 18.43 | 21.17 | 24.33 | 27.86 |
| 350 | 6.01 | 7.48 | 9.18 | 10.29 | 11.14 | 12.24 | 13.34 | 14.43 | 15.8 | 18.48 | 21.14 | 24.27 | 27.86 | 31.89 |
| 400 | 6.74 | 8.41 | 10.32 | 11.58 | 12.53 | 13.78 | 15.02 | 16.24 | 17.78 | 20.8 | 23.78 | 27.29 | 31.3 | 35.75 |
| 450 | 7.45 | 9.32 | 11.44 | 12.84 | 13.89 | 15.28 | 16.65 | 18.02 | 19.72 | 23.06 | 26.35 | 30.2 | 34.59 | 39.45 |
| 500 | 8.15 | 10.19 | 12.53 | 14.07 | 15.22 | 16.74 | 18.25 | 19.75 | 21.6 | 25.25 | 28.83 | 33.02 | 37.77 | 42.99 |
| 550 | 8.83 | 11.05 | 13.6 | 15.28 | 16.52 | 18.18 | 19.81 | 21.43 | 23.44 | 27.39 | 31.24 | 35.75 | 40.81 | 46.34 |
| 600 | 9.48 | 11.9 | 14.64 | 16.45 | 17.79 | 19.57 | 21.33 | 23.08 | 25.23 | 29.47 | 33.58 | 38.36 | 43.71 | 49.5 |
| 650 | 10.13 | 12.72 | 15.66 | 17.6 | 19.04 | 20.94 | 22.82 | 24.68 | 26.98 | 31.47 | 35.83 | 40.87 | 46.46 | 52.47 |
| 700 | 10.76 | 13.52 | 16.66 | 18.72 | 20.25 | 22.27 | 24.26 | 26.24 | 28.68 | 33.42 | 38 | 43.26 | 49.07 | 55.21 |
| 750 | 11.38 | 14.31 | 17.63 | 19.81 | 21.43 | 23.57 | 25.68 | 27.76 | 30.32 | 35.29 | 40.08 | 45.54 | 51.5 | 57.73 |
| 800 | 11.98 | 15.07 | 18.58 | 20.88 | 22.59 | 24.84 | 27.04 | 29.23 | 31.9 | 37.09 | 42.05 | 47.68 | 53.77 | 60.02 |
| 850 | 12.56 | 15.82 | 19.51 | 21.92 | 23.71 | 26.06 | 28.37 | 30.65 | 33.44 | 38.83 | 43.95 | 49.7 | 55.85 | 62.06 |
| 900 | 13.13 | 16.55 | 20.42 | 22.93 | 24.81 | 27.25 | 29.66 | 32.03 | 34.92 | 40.48 | 45.74 | 51.59 | 57.75 | 63.83 |
| 950 | 13.68 | 17.26 | 21.29 | 23.92 | 25.86 | 28.4 | 30.9 | 33.36 | 36.34 | 42.06 | 47.42 | 53.33 | 59.46 | 65.33 |
| 1000 | 14.23 | 17.95 | 22.14 | 24.88 | 26.89 | 29.53 | 32.11 | 34.64 | 37.71 | 43.56 | 48.99 | 54.93 | 60.96 | 66.54 |
| 1100 | 15.27 | 19.27 | 23.78 | 26.69 | 28.84 | 31.64 | 34.38 | 37.03 | 40.24 | 46.3 | 51.81 | 57.66 | 63.3 | 68.05 |
| 1200 | 16.23 | 20.52 | 25.3 | 28.39 | 30.65 | 33.6 | 36.45 | 39.2 | 42.52 | 48.67 | 54.14 | 59.72 | 64.72 | 68.25 |
| 1300 | 17.15 | 21.68 | 26.72 | 29.95 | 32.32 | 35.37 | 38.32 | 41.15 | 44.52 | 50.67 | 55.95 | 61.06 | 65.14 | - |
| 1400 | 17.99 | 22.76 | 28.03 | 31.39 | 33.82 | 36.97 | 39.97 | 42.84 | 46.23 | 52.25 | 57.22 | 61.64 | 64.48 | - |
| 1450 | 18.39 | 23.27 | 28.63 | 32.05 | 34.52 | 37.69 | 40.72 | 43.59 | 46.95 | 52.87 | 57.63 | 61.63 | 63.72 | - |
| 1500 | 18.77 | 23.74 | 29.22 | 32.68 | 35.18 | 38.37 | 41.41 | 44.28 | 47.61 | 53.39 | 57.89 | 61.41 | - | - |
| 1600 | 19.48 | 24.65 | 30.28 | 33.81 | 36.35 | 39.58 | 42.61 | 45.43 | 48.67 | 54.08 | 57.94 | - | - | - |
| 1700 | 20.11 | 25.45 | 31.2 | 34.79 | 37.35 | 40.57 | 43.55 | 46.3 | 49.38 | 54.27 | 57.31 | - | - | - |
| 1800 | 20.68 | 26.15 | 32 | 35.61 | 38.16 | 41.34 | 44.24 | 46.86 | 49.72 | 53.94 | - | - | - | - |
| 1900 | 21.16 | 26.74 | 32.66 | 36.26 | 38.78 | 41.88 | 44.65 | 47.1 | 49.68 | 53.08 | - | - | - | - |
| 2000 | 21.57 | 27.23 | 33.16 | 36.73 | 39.19 | 42.17 | 44.78 | 47.01 | 49.23 | 51.65 | - | - | - | - |
| 2100 | 21.89 | 27.61 | 33.52 | 37.01 | 39.38 | 42.2 | 44.6 | 46.56 | 48.36 | - | - | - | - | - |
| 2200 | 22.12 | 27.87 | 33.71 | 37.1 | 39.36 | 41.97 | 44.1 | 45.74 | 47.04 | - | - | - | - | - |
| 2300 | 22.27 | 28.01 | 33.74 | 36.99 | 39.1 | 41.46 | 43.29 | - | - | - | - | - | - | - |
| 2400 | 22.32 | 28.02 | 33.6 | 36.66 | 38.6 | 40.67 | 42.13 | - | - | - | - | - | - | - |
| 2500 | 22.28 | 27.91 | 33.27 | 36.12 | 37.85 | 39.58 | 40.62 | - | - | - | - | - | - | - |
| 2600 | 22.14 | 27.67 | 32.77 | 35.35 | 36.84 | - | - | - | - | - | - | - | - | - |
| 2700 | 21.9 | 27.27 | 32.07 | 34.36 | 35.56 | - | - | - | - | - | - | - | - | - |
| 2800 | 21.56 | 26.75 | 31.17 | - | - | - | - | - | - | - | - | - | - | - |
| 2900 | 21.1 | 26.07 | 30.08 | - | - | - | - | - | - | - | - | - | - | - |
| 3000 | 20.54 | 25.24 | 28.77 | - | - | - | - | - | - | - | - | - | - | - |
| 3100 | 19.86 | 24.25 | 27.24 | - | - | - | - | - | - | - | - | - | - | - |
| 3200 | 19.06 | 23.11 | 25.49 | - | - | - | - | - | - | - | - | - | - | - |
| 3300 | 18.15 | 21.8 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3400 | 17.11 | 20.32 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3500 | 15.94 | 18.66 | - | - | - | - | - | - | - | - | - | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## CRE belts: XPZ

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 71 | 80 | 85 | 90 | 95 | 100 | 112 | 125 | 132 | 140 | 150 | 160 | 180 | 200 |
| 700 | 0.63 | 0.73 | 0.81 | 1 | 1.22 | 1.34 | 1.46 | 1.59 | 1.71 | 2 | 2.3 | 2.65 | 3.1 | 3.56 | 4 |
| 950 | 0.8 | 0.93 | 1.03 | 1.29 | 1.59 | 1.75 | 1.91 | 2.06 | 2.22 | 2.6 | 3 | 3.45 | 4.05 | 4.64 | 5.21 |
| 1450 | 1.1 | 1.3 | 1.44 | 1.83 | 2.25 | 2.48 | 2.72 | 2.94 | 3.17 | 3.71 | 4.29 | 4.94 | 5.79 | 6.63 | 7.43 |
| 2850 | 1.79 | 2.14 | 2.39 | 3.08 | 3.84 | 4.25 | 4.66 | 5.06 | 5.45 | 6.38 | 7.36 | 8.45 | 9.83 | 11.11 | 12.3 |
| 100 | 0.12 | 0.13 | 0.15 | 0.18 | 0.22 | 0.24 | 0.26 | 0.28 | 0.3 | 0.35 | 0.4 | 0.46 | 0.55 | 0.63 | 0.7 |
| 200 | 0.22 | 0.25 | 0.27 | 0.34 | 0.41 | 0.45 | 0.5 | 0.53 | 0.57 | 0.66 | 0.76 | 0.87 | 1.02 | 1.17 | 1.31 |
| 300 | 0.31 | 0.36 | 0.39 | 0.48 | 0.59 | 0.65 | 0.71 | 0.76 | 0.82 | 0.95 | 1.09 | 1.25 | 1.46 | 1.68 | 1.89 |
| 400 | 0.39 | 0.45 | 0.51 | 0.63 | 0.76 | 0.83 | 0.91 | 0.98 | 1.05 | 1.22 | 1.4 | 1.62 | 1.9 | 2.17 | 2.44 |
| 500 | 0.47 | 0.56 | 0.61 | 0.76 | 0.92 | 1.01 | 1.1 | 1.19 | 1.27 | 1.48 | 1.72 | 1.97 | 2.31 | 2.65 | 2.98 |
| 600 | 0.56 | 0.65 | 0.71 | 0.88 | 1.07 | 1.18 | 1.28 | 1.39 | 1.49 | 1.75 | 2.01 | 2.31 | 2.72 | 3.11 | 3.49 |
| 700 | 0.63 | 0.73 | 0.81 | 1 | 1.22 | 1.34 | 1.46 | 1.59 | 1.71 | 2 | 2.3 | 2.65 | 3.1 | 3.56 | 4 |
| 800 | 0.7 | 0.81 | 0.9 | 1.12 | 1.37 | 1.51 | 1.65 | 1.78 | 1.92 | 2.24 | 2.59 | 2.97 | 3.48 | 3.99 | 4.49 |
| 900 | 0.77 | 0.89 | 0.99 | 1.24 | 1.52 | 1.67 | 1.82 | 1.97 | 2.12 | 2.47 | 2.86 | 3.29 | 3.86 | 4.42 | 4.97 |
| 1000 | 0.83 | 0.97 | 1.07 | 1.35 | 1.66 | 1.82 | 1.99 | 2.15 | 2.32 | 2.71 | 3.13 | 3.61 | 4.23 | 4.84 | 5.44 |
| 1100 | 0.9 | 1.05 | 1.16 | 1.46 | 1.79 | 1.97 | 2.15 | 2.33 | 2.52 | 2.94 | 3.39 | 3.91 | 4.59 | 5.25 | 5.9 |
| 1200 | 0.96 | 1.12 | 1.24 | 1.57 | 1.93 | 2.12 | 2.32 | 2.52 | 2.71 | 3.16 | 3.66 | 4.21 | 4.94 | 5.66 | 6.35 |
| 1300 | 1.02 | 1.19 | 1.32 | 1.68 | 2.06 | 2.27 | 2.47 | 2.69 | 2.90 | 3.38 | 3.91 | 4.5 | 5.28 | 6.05 | 6.79 |
| 1400 | 1.07 | 1.26 | 1.4 | 1.78 | 2.18 | 2.41 | 2.64 | 2.86 | 3.08 | 3.61 | 4.16 | 4.8 | 5.63 | 6.43 | 7.22 |
| 1500 | 1.13 | 1.33 | 1.48 | 1.88 | 2.31 | 2.56 | 2.79 | 3.03 | 3.26 | 3.82 | 4.41 | 5.08 | 5.96 | 6.81 | 7.64 |
| 1600 | 1.19 | 1.4 | 1.56 | 1.98 | 2.43 | 2.69 | 2.94 | 3.19 | 3.44 | 4.03 | 4.66 | 5.36 | 6.28 | 7.18 | 8.05 |
| 1700 | 1.24 | 1.46 | 1.64 | 2.07 | 2.56 | 2.83 | 3.09 | 3.35 | 3.62 | 4.23 | 4.89 | 5.64 | 6.61 | 7.54 | 8.45 |
| 1800 | 1.29 | 1.54 | 1.71 | 2.17 | 2.68 | 2.96 | 3.24 | 3.51 | 3.79 | 4.43 | 5.13 | 5.91 | 6.92 | 7.9 | 8.84 |
| 1900 | 1.34 | 1.6 | 1.78 | 2.26 | 2.8 | 3.09 | 3.38 | 3.68 | 3.96 | 4.64 | 5.36 | 6.17 | 7.22 | 8.24 | 9.22 |
| 2000 | 1.39 | 1.66 | 1.85 | 2.35 | 2.92 | 3.22 | 3.53 | 3.83 | 4.13 | 4.84 | 5.59 | 6.43 | 7.52 | 8.58 | 9.6 |
| 2100 | 1.44 | 1.72 | 1.92 | 2.44 | 3.03 | 3.35 | 3.67 | 3.98 | 4.29 | 5.03 | 5.81 | 6.69 | 7.82 | 8.91 | 9.95 |
| 2200 | 1.49 | 1.78 | 1.98 | 2.54 | 3.14 | 3.47 | 3.81 | 4.13 | 4.45 | 5.22 | 6.03 | 6.94 | 8.11 | 9.23 | 10.3 |
| 2300 | 1.55 | 1.84 | 2.05 | 2.63 | 3.25 | 3.6 | 3.94 | 4.28 | 4.62 | 5.41 | 6.24 | 7.18 | 8.39 | 9.54 | 10.65 |
| 2400 | 1.59 | 1.89 | 2.12 | 2.71 | 3.36 | 3.72 | 4.08 | 4.42 | 4.78 | 5.6 | 6.45 | 7.42 | 8.67 | 9.85 | 10.97 |
| 2500 | 1.64 | 1.95 | 2.18 | 2.8 | 3.47 | 3.84 | 4.21 | 4.58 | 4.93 | 5.78 | 6.67 | 7.67 | 8.94 | 10.14 | 11.28 |
| 2600 | 1.68 | 2 | 2.24 | 2.88 | 3.58 | 3.96 | 4.34 | 4.72 | 5.08 | 5.95 | 6.87 | 7.9 | 9.2 | 10.43 | 11.59 |
| 2700 | 1.73 | 2.06 | 2.3 | 2.96 | 3.69 | 4.08 | 4.46 | 4.85 | 5.23 | 6.13 | 7.07 | 8.12 | 9.45 | 10.71 | 11.89 |
| 2800 | 1.77 | 2.11 | 2.36 | 3.04 | 3.79 | 4.19 | 4.6 | 4.99 | 5.38 | 6.3 | 7.27 | 8.34 | 9.71 | 10.98 | 12.16 |
| 2900 | 1.81 | 2.16 | 2.42 | 3.12 | 3.89 | 4.3 | 4.72 | 5.12 | 5.52 | 6.47 | 7.46 | 8.55 | 9.95 | 11.24 | 12.43 |
| 3000 | 1.85 | 2.21 | 2.48 | 3.2 | 3.99 | 4.41 | 4.84 | 5.26 | 5.67 | 6.64 | 7.65 | 8.77 | 10.18 | 11.49 | 12.7 |
| 3100 | 1.89 | 2.26 | 2.55 | 3.27 | 4.08 | 4.52 | 4.96 | 5.38 | 5.81 | 6.8 | 7.84 | 8.98 | 10.4 | 11.73 | 12.94 |
| 3200 | 1.93 | 2.31 | 2.6 | 3.35 | 4.18 | 4.64 | 5.08 | 5.51 | 5.95 | 6.96 | 8.02 | 9.18 | 10.63 | 11.96 | 13.17 |
| 3300 | 1.96 | 2.36 | 2.66 | 3.42 | 4.27 | 4.74 | 5.19 | 5.65 | 6.08 | 7.12 | 8.19 | 9.37 | 10.84 | 12.18 | 13.38 |
| 3400 | 2 | 2.4 | 2.71 | 3.5 | 4.37 | 4.84 | 5.31 | 5.77 | 6.22 | 7.27 | 8.36 | 9.56 | 11.05 | 12.39 | 13.59 |
| 3500 | 2.04 | 2.45 | 2.77 | 3.58 | 4.46 | 4.95 | 5.42 | 5.89 | 6.35 | 7.42 | 8.53 | 9.75 | 11.24 | 12.59 | 13.79 |
| 3600 | 2.07 | 2.5 | 2.82 | 3.65 | 4.56 | 5.05 | 5.53 | 6.01 | 6.47 | 7.57 | 8.7 | 9.93 | 11.43 | 12.79 | 13.96 |
| 3700 | 2.11 | 2.55 | 2.87 | 3.72 | 4.64 | 5.14 | 5.64 | 6.12 | 6.61 | 7.72 | 8.86 | 10.1 | 11.62 | 12.97 | 14.12 |
| 3800 | 2.14 | 2.59 | 2.92 | 3.78 | 4.73 | 5.24 | 5.75 | 6.24 | 6.73 | 7.86 | 9.02 | 10.27 | 11.8 | 13.13 | 14.27 |
| 3900 | 2.17 | 2.63 | 2.97 | 3.85 | 4.82 | 5.33 | 5.85 | 6.35 | 6.85 | 7.99 | 9.17 | 10.43 | 11.96 | 13.29 | - |
| 4000 | 2.21 | 2.68 | 3.02 | 3.92 | 4.9 | 5.43 | 5.95 | 6.46 | 6.97 | 8.13 | 9.31 | 10.58 | 12.12 | 13.43 | - |
| 4100 | 2.24 | 2.72 | 3.06 | 3.98 | 4.98 | 5.52 | 6.05 | 6.58 | 7.08 | 8.26 | 9.45 | 10.74 | 12.27 | 13.57 | - |
| 4200 | 2.27 | 2.76 | 3.11 | 4.04 | 5.06 | 5.62 | 6.15 | 6.68 | 7.19 | 8.38 | 9.6 | 10.89 | 12.41 | 13.7 | - |
| 4300 | 2.3 | 2.79 | 3.16 | 4.11 | 5.14 | 5.7 | 6.24 | 6.78 | 7.3 | 8.5 | 9.73 | 11.02 | 12.54 | - | - |
| 4400 | 2.33 | 2.83 | 3.2 | 4.17 | 5.22 | 5.79 | 6.34 | 6.88 | 7.41 | 8.63 | 9.86 | 11.15 | 12.67 | - | - |
| 4500 | 2.36 | 2.87 | 3.24 | 4.23 | 5.29 | 5.87 | 6.43 | 6.98 | 7.51 | 8.75 | 9.98 | 11.28 | 12.78 | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## CRE belts: XPA

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 71 | 75 | 80 | 90 | 100 | 112 | 118 | 125 | 140 | 160 | 180 | 200 | 224 | 250 | 280 |
| 700 | 0.98 | 1.14 | 1.35 | 1.77 | 2.18 | 2.68 | 2.92 | 3.20 | 3.81 | 4.61 | 5.4 | 6.18 | 7.12 | 8.11 | 9.25 |
| 950 | 1.25 | 1.47 | 1.76 | 2.3 | 2.86 | 3.51 | 3.84 | 4.21 | 5.01 | 6.07 | 7.12 | 8.15 | 9.37 | 10.69 | 12.16 |
| 1450 | 1.76 | 2.09 | 2.49 | 3.31 | 4.13 | 5.09 | 5.57 | 6.12 | 7.29 | 8.84 | 10.35 | 11.84 | 13.57 | 15.41 | 17.46 |
| 2850 | 2.9 | 3.51 | 4.27 | 5.76 | 7.22 | 8.94 | 9.79 | 10.76 | 12.79 | 15.37 | 17.82 | 20.11 | 22.64 | 25.09 | - |
| 100 | 0.18 | 0.2 | 0.24 | 0.3 | 0.37 | 0.45 | 0.48 | 0.54 | 0.64 | 0.76 | 0.89 | 1.02 | 1.17 | 1.33 | 1.52 |
| 200 | 0.33 | 0.38 | 0.45 | 0.58 | 0.71 | 0.86 | 0.93 | 1.02 | 1.2 | 1.45 | 1.7 | 1.95 | 2.23 | 2.55 | 2.91 |
| 300 | 0.47 | 0.56 | 0.65 | 0.83 | 1.02 | 1.24 | 1.35 | 1.48 | 1.76 | 2.12 | 2.47 | 2.84 | 3.26 | 3.72 | 4.24 |
| 400 | 0.61 | 0.71 | 0.83 | 1.08 | 1.32 | 1.62 | 1.76 | 1.93 | 2.28 | 2.76 | 3.23 | 3.7 | 4.25 | 4.86 | 5.55 |
| 500 | 0.74 | 0.86 | 1.01 | 1.31 | 1.62 | 1.97 | 2.15 | 2.36 | 2.81 | 3.39 | 3.97 | 4.55 | 5.23 | 5.97 | 6.81 |
| 600 | 0.86 | 1 | 1.18 | 1.55 | 1.9 | 2.32 | 2.54 | 2.79 | 3.31 | 4 | 4.69 | 5.37 | 6.18 | 7.05 | 8.04 |
| 700 | 0.98 | 1.14 | 1.35 | 1.77 | 2.18 | 2.68 | 2.92 | 3.20 | 3.81 | 4.61 | 5.4 | 6.18 | 7.12 | 8.11 | 9.25 |
| 800 | 1.09 | 1.28 | 1.52 | 1.99 | 2.45 | 3.01 | 3.29 | 3.61 | 4.29 | 5.2 | 6.09 | 6.98 | 8.03 | 9.16 | 10.43 |
| 900 | 1.2 | 1.41 | 1.68 | 2.2 | 2.73 | 3.34 | 3.66 | 4.01 | 4.78 | 5.79 | 6.78 | 7.77 | 8.93 | 10.18 | 11.59 |
| 1000 | 1.3 | 1.55 | 1.83 | 2.41 | 2.99 | 3.68 | 4.01 | 4.41 | 5.25 | 6.36 | 7.45 | 8.53 | 9.82 | 11.18 | 12.73 |
| 1100 | 1.41 | 1.67 | 1.99 | 2.62 | 3.25 | 4 | 4.36 | 4.80 | 5.72 | 6.93 | 8.12 | 9.29 | 10.68 | 12.16 | 13.83 |
| 1200 | 1.52 | 1.79 | 2.13 | 2.83 | 3.5 | 4.31 | 4.72 | 5.18 | 6.17 | 7.48 | 8.77 | 10.03 | 11.53 | 13.12 | 14.91 |
| 1300 | 1.62 | 1.91 | 2.28 | 3.02 | 3.76 | 4.63 | 5.06 | 5.57 | 6.63 | 8.03 | 9.4 | 10.77 | 12.36 | 14.05 | 15.95 |
| 1400 | 1.71 | 2.03 | 2.42 | 3.22 | 4.01 | 4.94 | 5.4 | 5.94 | 7.07 | 8.56 | 10.04 | 11.48 | 13.18 | 14.97 | 16.97 |
| 1500 | 1.81 | 2.14 | 2.57 | 3.41 | 4.25 | 5.24 | 5.74 | 6.30 | 7.51 | 9.1 | 10.66 | 12.18 | 13.97 | 15.86 | 17.96 |
| 1600 | 1.9 | 2.26 | 2.71 | 3.61 | 4.49 | 5.55 | 6.06 | 6.67 | 7.95 | 9.63 | 11.26 | 12.87 | 14.75 | 16.73 | 18.91 |
| 1700 | 1.99 | 2.37 | 2.85 | 3.8 | 4.73 | 5.84 | 6.38 | 7.02 | 8.37 | 10.14 | 11.86 | 13.54 | 15.5 | 17.56 | 19.83 |
| 1800 | 2.08 | 2.48 | 2.98 | 3.98 | 4.96 | 6.13 | 6.71 | 7.37 | 8.8 | 10.65 | 12.44 | 14.2 | 16.25 | 18.37 | 20.72 |
| 1900 | 2.16 | 2.59 | 3.11 | 4.16 | 5.19 | 6.41 | 7.02 | 7.73 | 9.21 | 11.14 | 13.02 | 14.85 | 16.97 | 19.16 | 21.56 |
| 2000 | 2.25 | 2.7 | 3.24 | 4.34 | 5.42 | 6.71 | 7.33 | 8.07 | 9.62 | 11.63 | 13.58 | 15.47 | 17.67 | 19.92 | 22.37 |
| 2100 | 2.33 | 2.8 | 3.37 | 4.51 | 5.65 | 6.98 | 7.65 | 8.40 | 10.01 | 12.1 | 14.13 | 16.09 | 18.34 | 20.65 | 23.14 |
| 2200 | 2.41 | 2.9 | 3.5 | 4.7 | 5.87 | 7.25 | 7.94 | 8.74 | 10.4 | 12.57 | 14.67 | 16.69 | 19 | 21.35 | 23.87 |
| 2300 | 2.49 | 3 | 3.63 | 4.87 | 6.08 | 7.52 | 8.24 | 9.06 | 10.79 | 13.03 | 15.19 | 17.26 | 19.62 | 22.02 | 24.55 |
| 2400 | 2.58 | 3.09 | 3.75 | 5.03 | 6.3 | 7.8 | 8.53 | 9.38 | 11.17 | 13.48 | 15.7 | 17.83 | 20.23 | 22.65 | 25.2 |
| 2500 | 2.65 | 3.19 | 3.87 | 5.2 | 6.51 | 8.06 | 8.82 | 9.70 | 11.54 | 13.92 | 16.2 | 18.36 | 20.82 | 23.26 | 25.8 |
| 2600 | 2.73 | 3.28 | 3.98 | 5.36 | 6.72 | 8.31 | 9.1 | 10.01 | 11.91 | 14.35 | 16.68 | 18.89 | 21.37 | 23.83 | 26.34 |
| 2700 | 2.8 | 3.37 | 4.1 | 5.52 | 6.92 | 8.56 | 9.38 | 10.31 | 12.26 | 14.77 | 17.15 | 19.39 | 21.9 | 24.36 | 26.85 |
| 2800 | 2.87 | 3.46 | 4.21 | 5.68 | 7.12 | 8.82 | 9.65 | 10.61 | 12.62 | 15.17 | 17.6 | 19.88 | 22.4 | 24.86 | - |
| 2900 | 2.94 | 3.56 | 4.32 | 5.84 | 7.32 | 9.06 | 9.92 | 10.90 | 12.96 | 15.57 | 18.04 | 20.34 | 22.88 | 25.32 | - |
| 3000 | 3.01 | 3.65 | 4.43 | 5.99 | 7.51 | 9.3 | 10.18 | 11.19 | 13.29 | 15.96 | 18.46 | 20.79 | 23.33 | 25.73 | - |
| 3100 | 3.07 | 3.73 | 4.54 | 6.14 | 7.71 | 9.53 | 10.43 | 11.46 | 13.61 | 16.33 | 18.87 | 21.21 | 23.75 | - | - |
| 3200 | 3.13 | 3.81 | 4.65 | 6.28 | 7.89 | 9.77 | 10.69 | 11.74 | 13.93 | 16.69 | 19.26 | 21.61 | 24.14 | - | - |
| 3300 | 3.2 | 3.89 | 4.75 | 6.43 | 8.07 | 10 | 10.94 | 12.01 | 14.24 | 17.04 | 19.63 | 21.99 | 24.49 | - | - |
| 3400 | 3.26 | 3.97 | 4.85 | 6.58 | 8.25 | 10.22 | 11.17 | 12.27 | 14.53 | 17.37 | 19.99 | 22.35 | 24.82 | - | - |
| 3500 | 3.32 | 4.05 | 4.95 | 6.71 | 8.43 | 10.43 | 11.41 | 12.52 | 14.83 | 17.7 | 20.32 | 22.68 | - | - | - |
| 3600 | 3.37 | 4.12 | 5.04 | 6.85 | 8.61 | 10.65 | 11.64 | 12.78 | 15.11 | 18.01 | 20.64 | 22.99 | - | - | - |
| 3700 | 3.43 | 4.19 | 5.13 | 6.98 | 8.77 | 10.85 | 11.86 | 13.02 | 15.38 | 18.31 | 20.95 | 23.27 | - | - | - |
| 3800 | 3.48 | 4.26 | 5.22 | 7.11 | 8.94 | 11.05 | 12.08 | 13.25 | 15.65 | 18.59 | 21.23 | 23.53 | - | - | - |
| 3900 | 3.55 | 4.33 | 5.31 | 7.23 | 9.09 | 11.25 | 12.29 | 13.47 | 15.9 | 18.87 | 21.5 | - | - | - | - |
| 4000 | 3.6 | 4.4 | 5.4 | 7.35 | 9.25 | 11.44 | 12.49 | 13.70 | 16.14 | 19.12 | 21.75 | - | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## CRE belts: XPB

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 112 | 118 | 125 | 132 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 |
| 700 | 2.89 | 3.28 | 3.74 | 4.19 | 4.72 | 5.36 | 6.01 | 7.30 | 8.58 | 10.1 | 11.75 | 13.63 | 15.8 | 18.24 | 20.96 |
| 950 | 3.82 | 4.34 | 4.95 | 5.57 | 6.26 | 7.13 | 7.99 | 9.71 | 11.41 | 13.43 | 15.6 | 18.08 | 20.92 | 24.1 | 27.59 |
| 1450 | 5.58 | 6.35 | 7.26 | 8.17 | 9.2 | 10.48 | 11.76 | 14.28 | 16.77 | 19.71 | 22.82 | 26.31 | 30.26 | 34.58 | 39.17 |
| 2850 | 9.83 | 11.25 | 12.9 | 14.51 | 16.35 | 18.59 | 20.8 | 25.05 | 29.08 | 33.6 | 38.07 | - | - | - | - |
| 100 | 0.47 | 0.54 | 0.61 | 0.67 | 0.75 | 0.85 | 0.95 | 1.14 | 1.34 | 1.58 | 1.83 | 2.12 | 2.46 | 2.85 | 3.28 |
| 200 | 0.91 | 1.02 | 1.16 | 1.29 | 1.45 | 1.65 | 1.84 | 2.22 | 2.61 | 3.07 | 3.57 | 4.14 | 4.8 | 5.56 | 6.4 |
| 300 | 1.32 | 1.49 | 1.7 | 1.9 | 2.13 | 2.41 | 2.71 | 3.27 | 3.85 | 4.52 | 5.26 | 6.1 | 7.08 | 8.19 | 9.43 |
| 400 | 1.73 | 1.96 | 2.22 | 2.48 | 2.8 | 3.17 | 3.56 | 4.30 | 5.05 | 5.95 | 6.92 | 8.03 | 9.31 | 10.78 | 12.41 |
| 500 | 2.12 | 2.4 | 2.74 | 3.07 | 3.44 | 3.92 | 4.38 | 5.31 | 6.24 | 7.35 | 8.55 | 9.93 | 11.51 | 13.31 | 15.32 |
| 600 | 2.5 | 2.85 | 3.24 | 3.64 | 4.08 | 4.65 | 5.2 | 6.31 | 7.42 | 8.74 | 10.16 | 11.79 | 13.68 | 15.81 | 18.17 |
| 700 | 2.89 | 3.28 | 3.74 | 4.19 | 4.72 | 5.36 | 6.01 | 7.30 | 8.58 | 10.1 | 11.75 | 13.63 | 15.8 | 18.24 | 20.96 |
| 800 | 3.26 | 3.71 | 4.23 | 4.75 | 5.34 | 6.08 | 6.81 | 8.27 | 9.73 | 11.45 | 13.31 | 15.43 | 17.88 | 20.62 | 23.67 |
| 900 | 3.64 | 4.13 | 4.72 | 5.29 | 5.96 | 6.78 | 7.6 | 9.23 | 10.85 | 12.78 | 14.85 | 17.2 | 19.92 | 22.96 | 26.31 |
| 1000 | 4 | 4.55 | 5.19 | 5.83 | 6.57 | 7.47 | 8.38 | 10.18 | 11.96 | 14.08 | 16.35 | 18.94 | 21.91 | 25.23 | 28.87 |
| 1100 | 4.35 | 4.96 | 5.67 | 6.36 | 7.16 | 8.16 | 9.15 | 11.11 | 13.06 | 15.37 | 17.84 | 20.64 | 23.86 | 27.43 | 31.33 |
| 1200 | 4.71 | 5.36 | 6.13 | 6.89 | 7.76 | 8.84 | 9.91 | 12.04 | 14.14 | 16.63 | 19.3 | 22.31 | 25.76 | 29.57 | 33.7 |
| 1300 | 5.06 | 5.77 | 6.59 | 7.4 | 8.34 | 9.5 | 10.66 | 12.95 | 15.2 | 17.88 | 20.73 | 23.95 | 27.6 | 31.63 | 35.97 |
| 1400 | 5.4 | 6.16 | 7.04 | 7.92 | 8.92 | 10.16 | 11.39 | 13.84 | 16.25 | 19.1 | 22.13 | 25.53 | 29.39 | 33.62 | 38.13 |
| 1500 | 5.74 | 6.54 | 7.48 | 8.42 | 9.48 | 10.81 | 12.12 | 14.73 | 17.28 | 20.3 | 23.49 | 27.08 | 31.12 | 35.52 | 40.18 |
| 1600 | 6.07 | 6.93 | 7.93 | 8.92 | 10.05 | 11.45 | 12.85 | 15.59 | 18.29 | 21.47 | 24.83 | 28.58 | 32.79 | 37.34 | 42.11 |
| 1700 | 6.4 | 7.31 | 8.36 | 9.41 | 10.61 | 12.08 | 13.55 | 16.44 | 19.29 | 22.62 | 26.13 | 30.04 | 34.39 | 39.07 | 43.89 |
| 1800 | 6.73 | 7.69 | 8.8 | 9.9 | 11.15 | 12.71 | 14.25 | 17.28 | 20.26 | 23.74 | 27.39 | 31.44 | 35.93 | 40.69 | 45.55 |
| 1900 | 7.05 | 8.05 | 9.22 | 10.37 | 11.69 | 13.32 | 14.93 | 18.11 | 21.21 | 24.84 | 28.62 | 32.8 | 37.39 | 42.22 | 47.07 |
| 2000 | 7.36 | 8.41 | 9.64 | 10.85 | 12.22 | 13.92 | 15.6 | 18.92 | 22.14 | 25.9 | 29.81 | 34.1 | 38.77 | 43.64 | - |
| 2100 | 7.68 | 8.77 | 10.04 | 11.31 | 12.74 | 14.51 | 16.27 | 19.71 | 23.05 | 26.93 | 30.96 | 35.34 | 40.09 | 44.95 | - |
| 2200 | 7.98 | 9.12 | 10.44 | 11.77 | 13.25 | 15.1 | 16.92 | 20.48 | 23.94 | 27.94 | 32.06 | 36.53 | 41.31 | - | - |
| 2300 | 8.27 | 9.46 | 10.85 | 12.21 | 13.76 | 15.67 | 17.55 | 21.23 | 24.8 | 28.91 | 33.12 | 37.65 | 42.45 | - | - |
| 2400 | 8.58 | 9.81 | 11.23 | 12.65 | 14.25 | 16.23 | 18.17 | 21.97 | 25.63 | 29.84 | 34.13 | 38.71 | 43.5 | - | - |
| 2500 | 8.86 | 10.14 | 11.62 | 13.08 | 14.74 | 16.78 | 18.78 | 22.68 | 26.45 | 30.73 | 35.1 | 39.7 | - | - | - |
| 2600 | 9.14 | 10.46 | 11.99 | 13.5 | 15.21 | 17.31 | 19.37 | 23.39 | 27.23 | 31.6 | 36.01 | 40.62 | - | - | - |
| 2700 | 9.42 | 10.79 | 12.36 | 13.92 | 15.68 | 17.84 | 19.96 | 24.07 | 28 | 32.43 | 36.88 | 41.48 | - | - | - |
| 2800 | 9.7 | 11.1 | 12.72 | 14.32 | 16.13 | 18.34 | 20.52 | 24.72 | 28.72 | 33.22 | 37.68 | - | - | - | - |
| 2900 | 9.96 | 11.4 | 13.07 | 14.72 | 16.56 | 18.85 | 21.07 | 25.36 | 29.42 | 33.97 | 38.44 | - | - | - | - |
| 3000 | 10.22 | 11.71 | 13.41 | 15.1 | 17 | 19.33 | 21.6 | 25.98 | 30.1 | 34.67 | 39.15 | - | - | - | - |
| 3100 | 10.47 | 12 | 13.75 | 15.47 | 17.42 | 19.8 | 22.12 | 26.56 | 30.73 | 35.34 | - | - | - | - | - |
| 3200 | 10.72 | 12.28 | 14.08 | 15.85 | 17.83 | 20.26 | 22.62 | 27.14 | 31.35 | 35.97 | - | - | - | - | - |
| 3300 | 10.96 | 12.55 | 14.39 | 16.2 | 18.23 | 20.71 | 23.11 | 27.68 | 31.93 | 36.54 | - | - | - | - | - |
| 3400 | 11.19 | 12.83 | 14.71 | 16.54 | 18.61 | 21.13 | 23.57 | 28.20 | 32.47 | 37.07 | - | - | - | - | - |
| 3500 | 11.42 | 13.09 | 15.01 | 16.89 | 18.99 | 21.54 | 24.02 | 28.69 | 32.99 | - | - | - | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Basic power ratings

## CRE belts: XPC

| Faster shaft speed(RPM) | Datum diameter of small pulley (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 180 | 200 | 224 | 250 | 280 | 315 | 335 | 355 | 400 | 450 | 500 | 560 | 630 | 710 |
| 700 | 9.47 | 11.36 | 13.63 | 16.06 | 18.86 | 22.08 | 23.9 | 25.71 | 29.74 | 34.15 | 38.45 | 43.48 | 49.14 | 55.3 |
| 950 | 12.66 | 15.18 | 18.19 | 21.41 | 25.09 | 29.3 | 31.67 | 34.02 | 39.18 | 44.72 | 50.05 | 56.1 | 62.65 | - |
| 1450 | 18.69 | 22.38 | 26.72 | 31.33 | 36.48 | 42.27 | 45.45 | 48.54 | 55.13 | 61.77 | 67.63 | - | - | - |
| 2850 | 32.24 | 38.03 | 44.41 | 50.56 | - | - | - | - | - | - | - | - | - | - |
| 50 | 0.73 | 0.87 | 1.04 | 1.23 | 1.44 | 1.69 | 1.84 | 1.98 | 2.29 | 2.65 | 3 | 3.42 | 3.92 | 4.47 |
| 100 | 1.43 | 1.72 | 2.06 | 2.42 | 2.85 | 3.34 | 3.63 | 3.90 | 4.54 | 5.23 | 5.93 | 6.77 | 7.74 | 8.85 |
| 200 | 2.82 | 3.38 | 4.05 | 4.78 | 5.62 | 6.59 | 7.14 | 7.70 | 8.94 | 10.31 | 11.69 | 13.32 | 15.23 | 17.39 |
| 300 | 4.18 | 5.02 | 6.02 | 7.09 | 8.33 | 9.78 | 10.6 | 11.42 | 13.26 | 15.29 | 17.32 | 19.74 | 22.53 | 25.69 |
| 350 | 4.86 | 5.83 | 6.99 | 8.24 | 9.69 | 11.35 | 12.31 | 13.26 | 15.39 | 17.76 | 20.1 | 22.89 | 26.11 | 29.74 |
| 400 | 5.52 | 6.64 | 7.95 | 9.38 | 11.02 | 12.93 | 14.01 | 15.09 | 17.51 | 20.18 | 22.84 | 25.99 | 29.62 | 33.71 |
| 450 | 6.19 | 7.43 | 8.92 | 10.51 | 12.35 | 14.48 | 15.7 | 16.91 | 19.6 | 22.59 | 25.54 | 29.05 | 33.07 | 37.58 |
| 500 | 6.86 | 8.23 | 9.87 | 11.64 | 13.67 | 16.03 | 17.36 | 18.71 | 21.68 | 24.97 | 28.21 | 32.05 | 36.45 | 41.36 |
| 550 | 7.51 | 9.02 | 10.82 | 12.76 | 14.98 | 17.55 | 19.02 | 20.48 | 23.74 | 27.31 | 30.84 | 35.01 | 39.75 | 45.03 |
| 600 | 8.17 | 9.81 | 11.76 | 13.87 | 16.28 | 19.08 | 20.66 | 22.24 | 25.77 | 29.62 | 33.42 | 37.9 | 42.98 | 48.58 |
| 650 | 8.82 | 10.58 | 12.7 | 14.97 | 17.57 | 20.58 | 22.29 | 23.99 | 27.78 | 31.91 | 35.97 | 40.72 | 46.11 | 52.01 |
| 700 | 9.47 | 11.36 | 13.63 | 16.06 | 18.86 | 22.08 | 23.9 | 25.71 | 29.74 | 34.15 | 38.45 | 43.48 | 49.14 | 55.3 |
| 750 | 10.11 | 12.14 | 14.55 | 17.15 | 20.12 | 23.55 | 25.49 | 27.42 | 31.69 | 36.35 | 40.88 | 46.17 | 52.08 | 58.45 |
| 800 | 10.76 | 12.91 | 15.47 | 18.23 | 21.38 | 25.02 | 27.07 | 29.11 | 33.61 | 38.51 | 43.27 | 48.77 | 54.89 | 61.44 |
| 850 | 11.39 | 13.67 | 16.38 | 19.3 | 22.62 | 26.46 | 28.62 | 30.76 | 35.5 | 40.63 | 45.59 | 51.31 | 57.6 | 64.27 |
| 900 | 12.02 | 14.42 | 17.29 | 20.36 | 23.87 | 27.89 | 30.16 | 32.40 | 37.36 | 42.7 | 47.85 | 53.74 | 60.19 | 66.92 |
| 950 | 12.66 | 15.18 | 18.19 | 21.41 | 25.09 | 29.3 | 31.67 | 34.02 | 39.18 | 44.72 | 50.05 | 56.1 | 62.65 | 69.39 |
| 1000 | 13.27 | 15.93 | 19.08 | 22.45 | 26.29 | 30.69 | 33.17 | 35.60 | 40.97 | 46.69 | 52.17 | 58.35 | 64.96 | 71.67 |
| 1100 | 14.51 | 17.4 | 20.84 | 24.5 | 28.66 | 33.42 | 36.08 | 38.69 | 44.42 | 50.48 | 56.2 | 62.55 | 69.18 | - |
| 1200 | 15.73 | 18.86 | 22.56 | 26.51 | 30.99 | 36.07 | 38.9 | 41.67 | 47.71 | 54.04 | 59.91 | 66.31 | 72.76 | - |
| 1300 | 16.93 | 20.28 | 24.26 | 28.48 | 33.24 | 38.62 | 41.6 | 44.52 | 50.82 | 57.33 | 63.28 | 69.59 | - | - |
| 1400 | 18.11 | 21.68 | 25.92 | 30.39 | 35.42 | 41.08 | 44.2 | 47.24 | 53.74 | 60.36 | 66.28 | - | - | - |
| 1450 | 18.69 | 22.38 | 26.72 | 31.33 | 36.48 | 42.27 | 45.45 | 48.54 | 55.13 | 61.77 | 67.63 | - | - | - |
| 1500 | 19.26 | 23.06 | 27.53 | 32.25 | 37.53 | 43.43 | 46.67 | 49.81 | 56.45 | 63.09 | 68.88 | - | - | - |
| 1600 | 20.4 | 24.4 | 29.11 | 34.06 | 39.56 | 45.68 | 49.02 | 52.23 | 58.94 | 65.53 | - | - | - | - |
| 1700 | 21.51 | 25.71 | 30.64 | 35.8 | 41.51 | 47.81 | 51.23 | 54.48 | 61.21 | - | - | - | - | - |
| 1800 | 22.59 | 27 | 32.13 | 37.48 | 43.38 | 49.82 | 53.28 | 56.56 | 63.23 | - | - | - | - | - |
| 1900 | 23.65 | 28.24 | 33.57 | 39.11 | 45.16 | 51.7 | 55.19 | 58.45 | 64.97 | - | - | - | - | - |
| 2000 | 24.69 | 29.45 | 34.96 | 40.65 | 46.83 | 53.45 | 56.92 | 60.16 | - | - | - | - | - | - |
| 2100 | 25.7 | 30.62 | 36.3 | 42.13 | 48.41 | 55.06 | 58.5 | 61.65 | - | - | - | - | - | - |
| 2200 | 26.67 | 31.75 | 37.58 | 43.53 | 49.87 | 56.51 | 59.88 | - | - | - | - | - | - | - |
| 2300 | 27.62 | 32.85 | 38.8 | 44.85 | 51.24 | 57.8 | - | - | - | - | - | - | - | - |
| 2400 | 28.54 | 33.9 | 39.97 | 46.09 | 52.49 | 58.94 | - | - | - | - | - | - | - | - |
| 2500 | 29.42 | 34.9 | 41.08 | 47.25 | 53.61 | - | - | - | - | - | - | - | - | - |
| 2600 | 30.27 | 35.86 | 42.12 | 48.31 | 54.61 | - | - | - | - | - | - | - | - | - |
| 2700 | 31.09 | 36.76 | 43.09 | 49.28 | 55.49 | - | - | - | - | - | - | - | - | - |
| 2800 | 31.87 | 37.62 | 43.99 | 50.16 | - | - | - | - | - | - | - | - | - | - |
| 2900 | 32.6 | 38.43 | 44.82 | 50.93 | - | - | - | - | - | - | - | - | - | - |
| 3000 | 33.3 | 39.18 | 45.58 | 51.61 | - | - | - | - | - | - | - | - | - | - |
| 3100 | 33.97 | 39.89 | 46.26 | - | - | - | - | - | - | - | - | - | - | - |
| 3200 | 34.58 | 40.52 | 46.86 | - | - | - | - | - | - | - | - | - | - | - |
| 3300 | 35.16 | 41.11 | 47.38 | - | - | - | - | - | - | - | - | - | - | - |

Belt speed is over 30m/s. Please contact our technical department.

# Additional power ratings

## Wedge cogged belts: SPZ and XPZ

| Rev/min of faster shaft | Additional power (kW) per belt for speed ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1.01 to 1.05 | 1.05 to 1.11 | 1.11 to 1.18 | 1.18 to 1.26 | 1.26 to 1.38 | 1.38 to 1.57 | 1.57 to 1.94 | 1.94 to 3.38 | Over 3.38 |
| 200 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| 500 | 0.01 | 0.01 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.06 |
| 720 | 0.01 | 0.02 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.09 |
| 960 | 0.01 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.11 | 0.12 | 0.12 |
| 1440 | 0.02 | 0.04 | 0.07 | 0.10 | 0.12 | 0.14 | 0.16 | 0.18 | 0.19 |
| 1500 | 0.02 | 0.04 | 0.08 | 0.11 | 0.13 | 0.15 | 0.17 | 0.18 | 0.19 |
| 1800 | 0.02 | 0.05 | 0.09 | 0.13 | 0.15 | 0.18 | 0.20 | 0.22 | 0.23 |
| 2000 | 0.02 | 0.06 | 0.10 | 0.14 | 0.17 | 0.20 | 0.22 | 0.24 | 0.26 |
| 2500 | 0.03 | 0.07 | 0.13 | 0.18 | 0.21 | 0.25 | 0.28 | 0.31 | 0.32 |
| 2880 | 0.03 | 0.09 | 0.15 | 0.20 | 0.24 | 0.29 | 0.32 | 0.35 | 0.37 |
| 3000 | 0.03 | 0.09 | 0.15 | 0.21 | 0.26 | 0.30 | 0.34 | 0.37 | 0.39 |
| 3200 | 0.03 | 0.09 | 0.16 | 0.22 | 0.27 | 0.32 | 0.36 | 0.39 | 0.41 |
| 3500 | 0.04 | 0.10 | 0.18 | 0.25 | 0.30 | 0.35 | 0.39 | 0.43 | 0.45 |

## Wedge cogged belts: SPA and XPA

| Rev/min of faster shaft | Additional power (kW) per belt for speed ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1.01 to 1.05 | 1.05 to 1.11 | 1.11 to 1.18 | 1.18 to 1.26 | 1.26 to 1.38 | 1.38 to 1.57 | 1.57 to 1.94 | 1.94 to 3.38 | Over 3.38 |
| 200 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 |
| 500 | 0.02 | 0.04 | 0.07 | 0.10 | 0.12 | 0.14 | 0.16 | 0.17 | 0.18 |
| 720 | 0.02 | 0.06 | 0.10 | 0.14 | 0.17 | 0.20 | 0.22 | 0.24 | 0.26 |
| 960 | 0.03 | 0.08 | 0.14 | 0.19 | 0.23 | 0.26 | 0.30 | 0.32 | 0.34 |
| 1440 | 0.04 | 0.12 | 0.21 | 0.28 | 0.34 | 0.40 | 0.45 | 0.49 | 0.52 |
| 1500 | 0.05 | 0.12 | 0.21 | 0.29 | 0.35 | 0.41 | 0.47 | 0.51 | 0.54 |
| 1800 | 0.05 | 0.15 | 0.26 | 0.35 | 0.42 | 0.50 | 0.56 | 0.61 | 0.64 |
| 2000 | 0.06 | 0.16 | 0.29 | 0.39 | 0.47 | 0.55 | 0.62 | 0.68 | 0.72 |
| 2500 | 0.08 | 0.20 | 0.36 | 0.49 | 0.59 | 0.69 | 0.78 | 0.85 | 0.90 |
| 2880 | 0.09 | 0.24 | 0.41 | 0.56 | 0.68 | 0.79 | 0.89 | 0.97 | 1.03 |
| 3000 | 0.09 | 0.25 | 0.43 | 0.58 | 0.71 | 0.83 | 0.93 | 1.01 | 1.07 |
| 3200 | 0.10 | 0.26 | 0.46 | 0.62 | 0.75 | 0.88 | 0.99 | 1.08 | 1.15 |
| 3500 | 0.11 | 0.29 | 0.50 | 0.68 | 0.82 | 0.97 | 1.09 | 1.18 | 1.25 |

# Additional power ratings

## Wedge cogged belts: SPB and XPB

| Rev/min of faster shaft | Additional power (kW) per belt for speed ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1.01 to 1.05 | 1.05 to 1.11 | 1.11 to 1.18 | 1.18 to 1.26 | 1.26 to 1.38 | 1.38 to 1.57 | 1.57 to 1.94 | 1.94 to 3.38 | Over 3.38 |
| 200 | 0.01 | 0.03 | 0.05 | 0.07 | 0.09 | 0.10 | 0.11 | 0.12 | 0.13 |
| 500 | 0.03 | 0.08 | 0.13 | 0.18 | 0.22 | 0.25 | 0.29 | 0.31 | 0.33 |
| 720 | 0.04 | 0.11 | 0.19 | 0.26 | 0.31 | 0.36 | 0.41 | 0.45 | 0.47 |
| 960 | 0.05 | 0.14 | 0.25 | 0.34 | 0.42 | 0.49 | 0.55 | 0.60 | 0.63 |
| 1440 | 0.08 | 0.22 | 0.38 | 0.51 | 0.62 | 0.73 | 0.82 | 0.89 | 0.95 |
| 1500 | 0.08 | 0.23 | 0.39 | 0.54 | 0.65 | 0.76 | 0.86 | 0.93 | 0.99 |
| 1800 | 0.10 | 0.27 | 0.47 | 0.64 | 0.78 | 0.91 | 1.03 | 1.12 | 1.18 |
| 2000 | 0.11 | 0.30 | 0.52 | 0.71 | 0.86 | 1.01 | 1.14 | 1.24 | 1.32 |
| 2500 | 0.14 | 0.38 | 0.66 | 0.89 | 1.08 | 1.27 | 1.43 | 1.55 | 1.64 |
| 2880 | 0.16 | 0.43 | 0.76 | 1.03 | 1.25 | 1.46 | 1.64 | 1.79 | 1.89 |
| 3000 | 0.17 | 0.45 | 0.79 | 1.07 | 1.30 | 1.52 | 1.71 | 1.86 | 1.97 |

## Wedge cogged belts: SPC and XPC

| Rev/min of faster shaft | Additional power (kW) per belt for speed ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1.01 to 1.05 | 1.05 to 1.11 | 1.11 to 1.18 | 1.18 to 1.26 | 1.26 to 1.38 | 1.38 to 1.57 | 1.57 to 1.94 | 1.94 to 3.38 | Over 3.38 |
| 200 | 0.03 | 0.09 | 0.16 | 0.22 | 0.27 | 0.31 | 0.35 | 0.28 | 0.40 |
| 500 | 0.08 | 0.23 | 0.40 | 0.55 | 0.66 | 0.78 | 0.88 | 0.95 | 1.01 |
| 720 | 0.12 | 0.33 | 0.58 | 0.79 | 0.96 | 1.12 | 1.26 | 1.37 | 1.45 |
| 960 | 0.16 | 0.44 | 0.77 | 1.05 | 1.27 | 1.49 | 1.68 | 1.83 | 1.94 |
| 1440 | 0.24 | 0.67 | 1.16 | 1.58 | 1.91 | 2.24 | 2.52 | 2.75 | 2.91 |
| 1500 | 0.25 | 0.69 | 1.21 | 1.64 | 1.99 | 2.33 | 2.63 | 2.86 | 3.03 |
| 1800 | 0.31 | 0.83 | 1.45 | 1.97 | 2.39 | 2.80 | 3.15 | 3.43 | 3.64 |
| 2000 | 0.34 | 0.92 | 1.61 | 2.19 | 2.66 | 3.11 | 2.50 | 3.81 | 4.04 |

# Belt length correction factors

Table 5

| | Belt designation | | | | |
|---|---|---|---|---|---|
| Factor | SPZ | SPA | SPB | SPC | Factor |
| 0.8 | - | - | - | - | 0.8 |
| 0.81 | - | - | - | - | 0.81 |
| 0.82 | - | 800 | - | - | 0.82 |
| 0.83 | 630 | - | - | - | 0.83 |
| 0.84 | - | 900 | - | - | 0.84 |
| 0.85 | 710 | - | 1260 | - | 0.85 |
| 0.86 | - | 1000 | - | 2000 | 0.86 |
| 0.87 | 800 | - | 1410 | - | 0.87 |
| 0.88 | - | 1120 | - | 2240 | 0.88 |
| 0.89 | 900 | - | 1590 | - | 0.89 |
| 0.90 | - | 1250 | - | 2500 | 0.9 |
| 0.91 | - | - | 1800 | 2800 | 0.91 |
| 0.92 | 1010 | 1400 | - | - | 0.92 |
| 0.93 | - | - | 2020 | 3150 | 0.93 |
| 0.94 | 1140 | 1600 | - | - | 0.94 |
| 0.95 | - | - | 2280 | 3550 | 0.95 |
| 0.96 | 1270 | 1800 | 2530 | - | 0.96 |
| 0.97 | - | - | - | 4000 | 0.97 |
| 0.98 | 1420 | 2000 | 2840 | 4500 | 0.98 |
| 0.99 | - | - | - | - | 0.99 |
| 1.00 | 1600 | 2240 | 3170 | 5000 | 1 |
| 1.01 | - | - | - | - | 1.01 |
| 1.02 | 1800 | 2500 | 3550 | 5600 | 1.02 |
| 1.03 | - | - | - | 6300 | 1.03 |
| 1.04 | 2030 | 2800 | 4060 | - | 1.04 |
| 1.05 | - | - | - | 7100 | 1.05 |
| 1.06 | 2280 | 3150 | 4560 | - | 1.06 |
| 1.07 | - | - | - | 8000 | 1.07 |
| 1.08 | 2540 | 3550 | 5070 | - | 1.08 |
| 1.09 | - | - | - | 9000 | 1.09 |
| 1.1 | 2840 | 4000 | 5680 | 10000 | 1.1 |
| 1.11 | - | - | 6340 | - | 1.11 |
| 1.12 | 3170 | 4500 | - | 11200 | 1.12 |
| 1.13 | - | - | 7100 | - | 1.13 |
| 1.14 | - | - | - | 12500 | 1.14 |
| 1.15 | 3550 | - | 7990 | - | 1.15 |
| 1.16 | - | - | - | - | 1.16 |
| 1.17 | - | - | - | - | 1.17 |

Interpolate for belt lengths not listed.

# Arc of contact correction factors

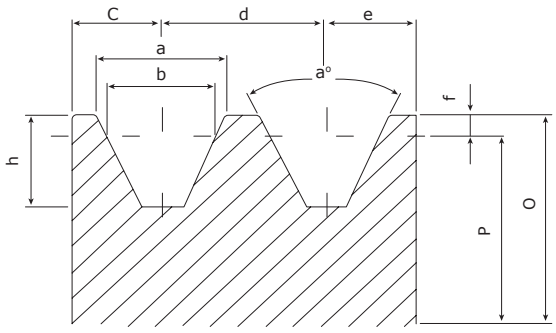
Table 6

| D - d / c | Correction factor | Arc of contact on smaller pulley in degrees | D - d / c | Correction factor | Arc of contact on smaller pulley in degrees | D - d / c | Correction factor | Arc of contact on smaller pulley in degrees |
|---|---|---|---|---|---|---|---|---|
| 0.00 | 1.00 | 180 | 0.50 | 0.93 | 151 | 1.00 | 0.82 | 120 |
| 0.05 | 0.99 | 177 | 0.55 | 0.92 | 148 | 1.05 | 0.81 | 117 |
| 0.10 | 0.99 | 174 | 0.60 | 0.91 | 145 | 1.10 | 0.80 | 113 |
| 0.15 | 0.98 | 171 | 0.65 | 0.90 | 142 | 1.15 | 0.78 | 110 |
| 0.20 | 0.97 | 169 | 0.70 | 0.89 | 139 | 1.20 | 0.77 | 106 |
| 0.25 | 0.97 | 166 | 0.75 | 0.88 | 136 | 1.25 | 0.75 | 103 |
| 0.30 | 0.96 | 163 | 0.80 | 0.87 | 133 | 1.30 | 0.73 | 99 |
| 0.35 | 0.95 | 160 | 0.85 | 0.86 | 130 | 1.35 | 0.72 | 95 |
| 0.40 | 0.94 | 157 | 0.90 | 0.85 | 127 | 1.40 | 0.70 | 91 |
| 0.45 | 0.93 | 154 | 0.95 | 0.83 | 123 | 1.45 | 0.68 | 87 |

D=Diameter of larger pulley  d=Diameter of smaller pulley  C=Shaft centre distance

Arc of contact below 120° should not be used unless full drive details have first been submitted to us for confirmation.

# Pulley groove dimensions




| Section | P | a° | a | b | c | d | e | f | h |
|---|---|---|---|---|---|---|---|---|---|
| SPZ | <=80 | 34 | 9.7 | 8.5 | 8 | 12 | 8 | 2 | 11 |
| | >80 | 38 | 9.9 | | | | | | |
| SPA | <=118 | 34 | 12.7 | 11 | 10 | 15 | 10 | 2.75 | 13.75 |
| | >118 | 38 | 12.9 | | | | | | |
| SPB | <=190 | 34 | 16.1 | 14 | 12.5 | 19 | 12.5 | 3.5 | 17.5 |
| | >190 | 38 | 16.4 | | | | | | |
| SPC | <=315 | 34 | 21.9 | 19 | 17 | 25.5 | 17 | 4.8 | 23.8 |
| | >315 | 38 | 22.3 | | | | | | |

Vee belt pulleys in this catalogue are all manufactured according to ISO4183 and DIN2111 norms. The material used for the construction of these pulleys is cast iron GG25 and after the machining, all pulleys are being phosphated. Each pulley is strictly statically balanced with high precision balancing machining tools.

# Idler pulleys

The use of idler pulleys should be avoided, If for design reasons, such an arrangement is necessary, then an inside idler should be used in preference to an outside idler.

Certain criteria should be considered when fitting an idler pulley:

a) Position of belt span

b) Diameter of the pulley

c) The adjust of the pulley for tensioning purposes

d) Correction of the power rating per belt

Internal idler should be greater than or equal to small size pulley on the drive.

Idlers should be placed where possible on the slack side of a drive, rather than the tight side. Springloaded or weighted idlers should always be located on the slack side because of the constant force being applied.

These type of drives should not be run in opposite direction as the slack side becomes tight side.

## Location of the idler pulley on drive

A grooved inside idler pulley may be located at any point along the span, such that it results in nearly equal arcs of contact on the two adjacent pulleys.

A flat idler pulley should be located as far as is practical from the next pulley the belt is entering. This minimises the belt entering the pulley misaligned.

Flat idler pulleys used on long span drives can cause sever belt whip and should be avoided where possible.

# Belt tensioning instructions

**Ensure drive machine is fully isolated from the power supply before any work is to be carried out.**

1. Apply the belts into the groove of the pulleys and apply a "hand tight" tension.

2. Rotate the pulleys manually several times, ensuring fingers are not trapped between belt and groove of pulley (N.B. do not apply any electrical power to drive, this ensures that belts sit correctly into the groove profile).

3. Using the table opposite, tension the belts appropriate to small pulley diameter.

4. Run the drive (with load) for 30 minutes, thereafter recheck the tension and adjust if required.

## Tensioning method using the belt tension indicator

1. Calculate the deflection using formula of *centre distance in metres x 16mm deflection*. (16mm deflection per 1 mtr of CD)

2. Using the belt tension indicator set the marker ring (on the larger tube, scale marked in mm) at the deflection required in mm.

2. Set the other marker (smaller tube, scale in Kgf.) at the bottom of the narrow tube where the Kgf reads zero.

4. Now place the belt tension indicator (pin edge in contact with belt) on top of the belt at the centre of the span. Apply a force at right angles to the belt deflecting it until the point where the lower marker is level with the top of the adjacent belt. (For single belt drives use a straight edge across the two pulleys to use as a datum for reading the deflection on the indicator.)

5. Applying max. force read the value indicted in Kgf on the tensioning device (O ring will have moved as a result of force applied)

6. Compare this force the Kgf values given on page 42.

7. If the measured force falls within the values given, the drive is at a optimised tension and will run efficiently.

8. A measured force below the recommended value indicates an under-tension drive and will require attention.

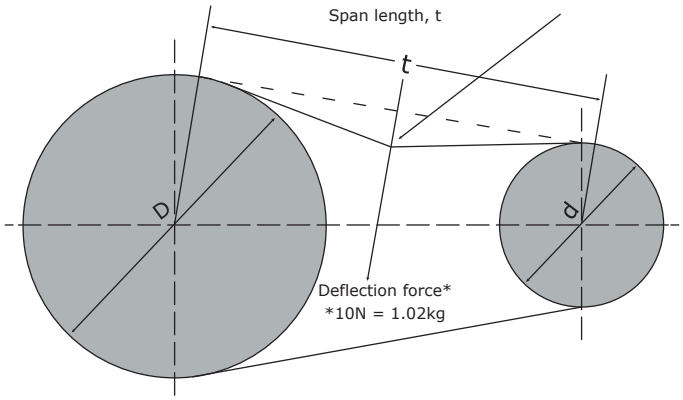
9. To achieve an optimum drive, belts should be tensioned at the higher value.

10. Drives should be tensioned and run for 30 minutes, stopped and rechecked, tensioning if required.

11. This practise is vital for the bedding in period and lifespan of the belt drive.

# Belt installation and maintenance

| Belt section | Force required to deflect belt 16 mm per metre of span | | |
|---|---|---|---|
| | Small pulley diameter (mm) | Newton (N) | Kilogram force (kgf) |
| SPZ & XPZ | 67 to 95 | 10 to 15 | 1.0 to 1.5 |
| | 100 to 140 | 15 to 20 | 1.5 to 2.0 |
| SPA & XPA | 100 to 132 | 20 to 27 | 2.0 to 2.7 |
| | 140 to 200 | 27 to 35 | 2.8 to 3.6 |
| SPB & XPB | 160 to 224 | 35 to 50 | 3.6 to 5.1 |
| | 236 to 315 | 50 to 65 | 5.1 to 6.6 |
| SPC & XPC | 224 to 355 | 60 to 90 | 6.1 to 9.2 |
| | 375 to 560 | 90 to 120 | 9.2 to 12.2 |
| 8V | 335 & above | 150 to 200 | 15.3 to 20.4 |
| A | 80 to 140 | 10 to 15 | 1.0 to 1.5 |
| B | 125 to 200 | 20 to 30 | 2.0 to 3.1 |
| C | 200 to 400 | 40 to 60 | 4.1 to 6.1 |
| D | 355 to 600 | 70 to 105 | 7.1 to 10.7 |
| E | 500 & above | 120 to 180 | 12.2 to 18.3 |




**Ensure drive machine is fully isolated from the power supply before any work is to be carried out.**

- Pulleys should be wiped down prior to use to remove any dirt or oil, or any other particles that might compromise the pulley groove.
- Alignment shafts and pulleys should be correctly aligned prior to use, using the Mecaline belt laser alignment tool.
- *Installation*: drive centre distance should be reduced prior to installation of belts in order for belts to be fitted without undue force. Avoid the use of screwdrivers or objects to prise the belt into the groove as this will damage belt and pulley groove.
- *Belt tension*: drive should be tensioned correctly and rechecked after 30 minutes run time and retensioned accordingly. This will compensate for any belt stretch and bedding into the pulley groove.
- *Storage*: belts should not be stored in direct sunlight or lighting, kept in ambient temperature conditions and kept free from dirt or chemicals (full statement can be provided on request).

# Installation and take up allowance

To ensure correct and safe belt installation, there must be adequate installation and take up allowance on the belt drive assembly.

Installation allowance is to ensure the centre distance of the drive can be sufficiently reduced in order for the belts to be placed into the pulley groove without the need for stretching or using a sharp objects to prised the belt over the pulley rim. (N.B. Damage may occur to both pulley and or belt.) Take up allowance value is to be added to the installation allowance to allow for belt tensioning, stretching or bedding in.

| Belt datum length (mm) | Min installation allowance (mm) | | | | | Min tensioning allowance (mm) |
|---|---|---|---|---|---|---|
| | Z/SPZ/XPZ | A/SPA/XPA | B/SPB/XPB | C/SPC/XPC | D SECTION | |
| 410-850 | 20 | 25 | 30 | 50 | 65 | 10 |
| 850-1150 | 20 | 25 | 30 | 50 | 65 | 15 |
| 1150-1500 | 20 | 25 | 30 | 50 | 65 | 20 |
| 1500-2000 | 20 | 25 | 30 | 50 | 65 | 30 |
| 2000-3000 | 20 | 25 | 30 | 50 | 65 | 40 |
| 3000-3500 | 20 | 25 | 30 | 50 | 65 | 50 |
| 3500-4000 | 20 | 25 | 30 | 50 | 65 | 60 |
| 4000-5000 | 20 | 25 | 30 | 50 | 65 | 70 |
| 5000-6000 | - | 25 | 30 | 50 | 65 | 85 |
| 6000-7500 | - | 25 | 30 | 50 | 65 | 105 |
| 7500-8500 | - | - | 30 | 50 | 65 | 125 |
| 8500-10000 | - | - | 30 | 50 | 65 | 145 |
| 10000-12500 | - | - | - | 50 | 65 | 175 |

# Mecaline Laser Alignment Tool

Rubix part number:887625


## Contents

**a.** 1 - Mecaline laser alignment tool
**b.** 4 - target magnets
**c.** 1 - magnetic levelling plate
**d.** 1 - instruction leaflet
**e.** 1 - carry case

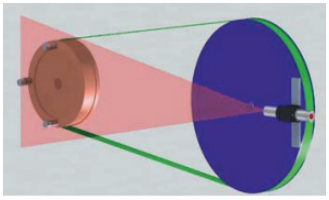
## Technical specifications

| | |
|---|---|
| **Laser class:** | 1M (EN 60825 - 1:2007) |
| **Output power:** | 5mW/635nm ± 5nm |
| **Measure accuracy:** | <0,5mrad parallelism to magnet face |
| **Housing:** | nickelled brass |
| **Power sources:** | 1,5V AA-battery or 1.2V accumulator (not included) |

## Key features

**1.** Ready to use out of the box
**2.** Provides a quick and easy solution to parallel and angular misalignment
**3.** Suitable for all belt and chain drives
**4.** Reduces premature failure of drive components - belts and chains
**5.** Improves drive efficiency

# Instructions



Ensure machine is isolated from the power supply before any work is carried out

To ensure alignment accuracy of drive, position 2-3 target magnets on one of the pulleys, positioning targets at 0°, 90° and 280°.

Attach the Mecaline laser alignment tool on the opposite pulley, (using magnetic plate if required). Please note an allowance must be made when using the metal plate as alignment will offset by 6mm.

Switch on the laser alignment tool and make adjustments on axis (if required) to ensure beam is projecting on the centre of the target magnets.

The Mecaline laser alignment tool will highlight parallel and angular misalignment.

# Basic formulas

**Length**

Inches x 25.4 = Millimetres
Feet x 0.3048 = Metres

**Force**

Kilogram force (kgf) x 9.81 = Newtons (N)
Pounds force (lbf) x 4.45 = Newtons (N)

**Torque**

Kilogram force metre (kgfm) x 9.81 = Newton metre (Nm)
Pounds feet (lbf ft) x 1.36 = Newton metre (Nm)

**Power**

Horse power (hp) x 0.76 = Kilowatt (kW)

**Belt Speed in m/s**

S = (dxn)/19100

**Torque Nm**

Power (KW) x 9550 / Rotational speed (rev/min)

**Power kW**

Torque (Nm) x Rotational speed (rev/min) / 9550

**Ratio**

Ratio = Fastest shaft speed / Slower shaft speed.

## Work out belt length

L = Pitch length of belt in mm
C = Centre distance mm
D = Pitch Dia of large pulley in mm
d = Pitch Dia of small pulley in mm

**Belt length**

$$L=2C+\frac{(D-d)^2}{4C}+1.57\,(D+d)$$

**Centre distance**

$$C=A+\sqrt{A^2-B}$$

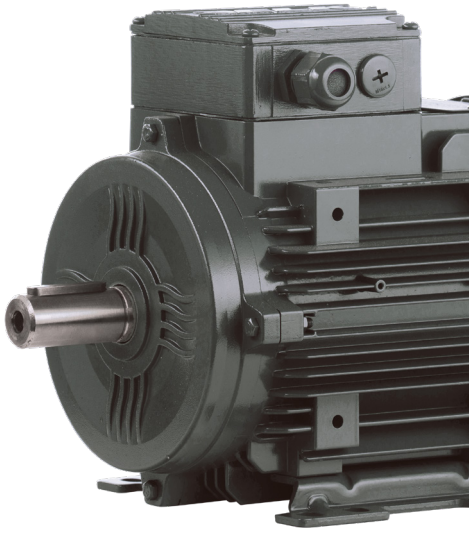
where

$$A=\frac{L}{4}-0.3925\,(D+d)$$

and

$$B=\frac{(D-d)^2}{8}$$

Use your Mecaline vee belts with Mecaline vee pulleys and taper bushes.

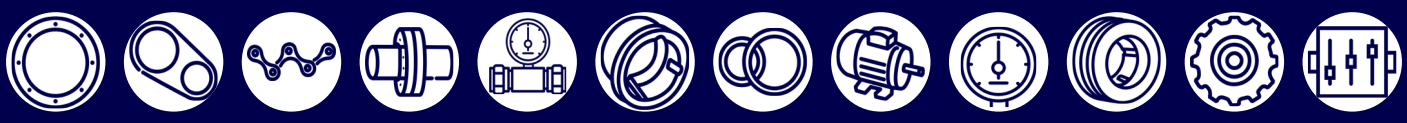


# Mecaline

## *Integrated Movement*

**www.mecalineparts.com**

High-quality, high-performance components designed to fit seamlessly into your operations.



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