



Raw Edge Molded Cog Classical V Belts  
& High Power Molded Cog Wedge Belts



## STANDARDS

DIN 2215/DIN 7753 (Part 1)  
 ISO 4184  
 BS 3790  
 ISO 4183



## Protorque Raw Edge Molded Cog Classical V and High Power Wedge Belts are designed for operating at high speeds over small diameter pulleys and shorter centre distances



The precision engineered molded cog base of Protorque cogged belts allow for excellent flexibility and improved heat dissipation, promoting longer service life. Pre-tensioned high strength polyester tensile members ensure low elongation, tighter length tolerances and consistent matching length when run in sets. High performance chloroprene base compound is heavily reinforced with transverse fibres, providing excellent support for tensile members permitting higher running tensions and improved ability to absorb shock loads. Static conductive with excellent oil, ozone and abrasion resistance and running temperature range between -40°C to +70°C.

**A complete and comprehensive range of lengths in all cross sections are directly available from UK stock.**

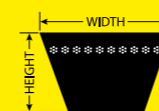


### RAW EDGE MOLDED COG CLASSICAL V-BELTS

**Increased friction coefficient compared to wrapped belts means low slip, high efficiency and longer service life.**

Universal classical profile coupled with cogged cushion allows increased belt flexibility and improved longer lasting performance when compared to wrapped belts. Improved compression whilst running means reduced pulley wear. Fibre loaded raw edge cogged profile improves belt wear and slip resistance. Optimum performance at high rotational speeds. Pre-treated tension cords embedded in specially prepared insulation filler creates superior adhesion between all components, even with high dynamic loads.

**Ideal for applications where wrapped classical v-belts are likely to reach their performance limits.**



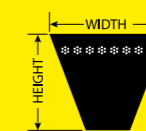
| Section | Width | Height |
|---------|-------|--------|
| ZX      | 10    | 6      |
| AX      | 13    | 8      |
| BX      | 17    | 11     |
| CX      | 22    | 14     |

### RAW EDGE MOLDED COG HIGH POWER WEDGE BELTS

**Narrow profile deeper cushion belts for more compact, higher power and heavier duty drives.**

Increased power capacity compared to classical v-belts allows for space and weight saving drives, resulting in significant cost savings. Transmit the same power with fewer belts or extend drive life by switching from classical v-belts to high power wedge belts. Multi layered industrial cover fabric supports tension cords to facilitate effortless flexibility and cooler running belts. Optimum cog pattern allows for higher dynamic power transmissions and reduced bending stresses.

**Perfect for applications which require the highest capacities under more severe and demanding conditions.**



| Section | Width | Height |
|---------|-------|--------|
| XPZ     | 9.7   | 8      |
| XPA     | 12.7  | 10     |
| XPB     | 16.3  | 13     |
| XPC     | 22.0  | 18     |



# RAW EDGE MOLDED COG CLASSICAL V-BELTS

| Belt reference (Inch) | Inside length (mm) | Datum length (mm) |
|-----------------------|--------------------|-------------------|
| <b>ZX SECTION</b>     |                    |                   |
| ZX 19.50              | 495                | 520               |
| ZX 20                 | 510                | 530               |
| ZX 21.50              | 545                | 565               |
| ZX 23                 | 585                | 610               |
| ZX 24                 | 610                | 635               |
| ZX 25                 | 635                | 660               |
| ZX 26                 | 660                | 690               |
| ZX 27                 | 685                | 710               |
| ZX 28                 | 710                | 735               |
| ZX 29                 | 735                | 760               |
| ZX 30                 | 760                | 787               |
| ZX 31.50              | 800                | 825               |
| ZX 32.50              | 825                | 850               |
| ZX 33                 | 840                | 865               |
| ZX 36                 | 915                | 940               |
| ZX 37                 | 945                | 972               |
| ZX 40                 | 1016               | 1038              |
| ZX 42                 | 1070               | 1100              |
| ZX 44                 | 1120               | 1142              |
| ZX 45                 | 1145               | 1170              |
| ZX 52                 | 1320               | 1350              |
| ZX 55                 | 1400               | 1420              |
| <b>AX SECTION</b>     |                    |                   |
| AX 22                 | 560                | 593               |
| AX 23                 | 587                | 620               |
| AX 24                 | 610                | 640               |
| AX 25                 | 630                | 660               |
| AX 25.50              | 650                | 680               |
| AX 26                 | 660                | 690               |
| AX 27                 | 686                | 716               |
| AX 27.50              | 700                | 730               |
| AX 28                 | 710                | 743               |
| AX 28.50              | 720                | 750               |
| AX 29                 | 730                | 760               |
| AX 29.50              | 750                | 780               |
| AX 30                 | 767                | 800               |
| AX 31                 | 787                | 820               |
| AX 31.50              | 800                | 830               |
| AX 32                 | 813                | 850               |
| AX 33                 | 838                | 870               |
| AX 34                 | 860                | 900               |
| AX 35                 | 889                | 919               |
| AX 36                 | 914                | 950               |
| AX 37                 | 940                | 970               |
| AX 37.50              | 950                | 980               |
| AX 38                 | 965                | 1000              |
| AX 39                 | 992                | 1020              |
| AX 40                 | 1016               | 1040              |
| AX 41                 | 1041               | 1071              |
| AX 42                 | 1067               | 1100              |
| AX 42.50              | 1080               | 1110              |
| AX 43                 | 1100               | 1120              |
| AX 44                 | 1120               | 1150              |
| AX 45                 | 1143               | 1180              |
| AX 46                 | 1168               | 1200              |
| AX 47                 | 1200               | 1230              |

| Belt reference (Inch) | Inside length (mm) | Datum length (mm) |
|-----------------------|--------------------|-------------------|
| AX 48                 | 1220               | 1250              |
| AX 49                 | 1250               | 1280              |
| AX 50                 | 1270               | 1300              |
| AX 51                 | 1300               | 1320              |
| AX 52                 | 1320               | 1350              |
| AX 53                 | 1346               | 1380              |
| AX 54                 | 1372               | 1400              |
| AX 55                 | 1400               | 1430              |
| AX 56                 | 1422               | 1450              |
| AX 57                 | 1450               | 1480              |
| AX 58                 | 1475               | 1500              |
| AX 59                 | 1500               | 1530              |
| AX 60                 | 1525               | 1557              |
| AX 61                 | 1550               | 1580              |
| AX 62                 | 1575               | 1600              |
| AX 63                 | 1600               | 1630              |
| AX 64                 | 1625               | 1650              |
| AX 65                 | 1650               | 1680              |
| AX 66                 | 1676               | 1700              |
| AX 67                 | 1700               | 1730              |
| AX 68                 | 1725               | 1750              |
| AX 69                 | 1750               | 1780              |
| AX 70                 | 1775               | 1800              |
| AX 71                 | 1800               | 1840              |
| AX 72                 | 1825               | 1850              |
| AX 73                 | 1854               | 1884              |
| AX 74                 | 1880               | 1910              |
| AX 75                 | 1900               | 1930              |
| AX 76                 | 1930               | 1965              |
| AX 77                 | 1956               | 1989              |
| AX 78                 | 1980               | 2013              |
| AX 79                 | 2000               | 2030              |
| AX 80                 | 2032               | 2062              |
| AX 81                 | 2060               | 2093              |
| AX 82                 | 2083               | 2120              |
| AX 83                 | 2100               | 2133              |
| AX 84                 | 2134               | 2170              |
| AX 85                 | 2160               | 2193              |
| AX 86                 | 2187               | 2220              |
| AX 87                 | 2210               | 2240              |
| AX 88                 | 2240               | 2270              |
| AX 89                 | 2261               | 2300              |
| AX 90                 | 2286               | 2325              |
| AX 91                 | 2311               | 2340              |
| AX 92                 | 2337               | 2367              |
| AX 93                 | 2360               | 2400              |
| AX 94                 | 2388               | 2418              |
| AX 95                 | 2413               | 2450              |
| AX 96                 | 2438               | 2468              |
| AX 97                 | 2464               | 2500              |
| AX 98                 | 2500               | 2530              |
| AX 99                 | 2520               | 2560              |
| AX 103                | 2620               | 2650              |
| AX 105                | 2667               | 2700              |
| AX 110                | 2800               | 2830              |
| AX 112                | 2845               | 2880              |
| AX 120                | 3048               | 3080              |
| AX 128                | 3250               | 3280              |
| AX 144                | 3658               | 3688              |

| Belt reference (Inch) | Inside length (mm) | Datum length (mm) |
|-----------------------|--------------------|-------------------|
| AX 173                | 4394               | 4424              |
| <b>BX SECTION</b>     |                    |                   |
| BX 24                 | 615                | 655               |
| BX 25                 | 630                | 670               |
| BX 26                 | 655                | 695               |
| BX 27                 | 686                | 726               |
| BX 28                 | 710                | 750               |
| BX 30                 | 760                | 800               |
| BX 31                 | 787                | 830               |
| BX 32                 | 810                | 850               |
| BX 33                 | 840                | 880               |
| BX 33.50              | 850                | 890               |
| BX 34                 | 865                | 910               |
| BX 35                 | 889                | 929               |
| BX 36                 | 917                | 960               |
| BX 37                 | 940                | 990               |
| BX 38                 | 965                | 1000              |
| BX 39                 | 990                | 1030              |
| BX 40                 | 1016               | 1060              |
| BX 41                 | 1040               | 1080              |
| BX 42                 | 1067               | 1100              |
| BX 42.50              | 1080               | 1120              |
| BX 43                 | 1090               | 1120              |
| BX 44                 | 1120               | 1150              |
| BX 45                 | 1150               | 1180              |
| BX 46                 | 1175               | 1220              |
| BX 46.50              | 1180               | 1225              |
| BX 47                 | 1200               | 1240              |
| BX 48                 | 1225               | 1260              |
| BX 49                 | 1250               | 1280              |
| BX 50                 | 1270               | 1320              |
| BX 51                 | 1300               | 1340              |
| BX 52                 | 1320               | 1350              |
| BX 53                 | 1350               | 1394              |
| BX 54                 | 1372               | 1400              |
| BX 55                 | 1400               | 1435              |
| BX 56                 | 1422               | 1450              |
| BX 57                 | 1450               | 1500              |
| BX 58                 | 1473               | 1518              |
| BX 59                 | 1500               | 1550              |
| BX 60                 | 1525               | 1564              |
| BX 61                 | 1550               | 1600              |
| BX 62                 | 1575               | 1620              |
| BX 63                 | 1600               | 1650              |
| BX 64                 | 1625               | 1670              |
| BX 65                 | 1650               | 1700              |
| BX 66                 | 1676               | 1720              |
| BX 67                 | 1700               | 1750              |
| BX 68                 | 1725               | 1775              |
| BX 69                 | 1750               | 1800              |
| BX 70                 | 1775               | 1825              |
| BX 71                 | 1800               | 1850              |
| BX 72                 | 1829               | 1870              |
| BX 73                 | 1850               | 1900              |
| BX 74                 | 1880               | 1920              |
| BX 75                 | 1900               | 1950              |
| BX 76                 | 1930               | 1980              |
| BX 77                 | 1950               | 2000              |

| Belt reference (Inch) | Inside length (mm) | Datum length (mm) |
|-----------------------|--------------------|-------------------|
| BX 78                 | 1981               | 2025              |
| BX 79                 | 2000               | 2050              |
| BX 80                 | 2032               | 2070              |
| BX 81                 | 2060               | 2100              |
| BX 82                 | 2083               | 2120              |
| BX 83                 | 2100               | 2150              |
| BX 84                 | 2134               | 2174              |
| BX 85                 | 2160               | 2200              |
| BX 86                 | 2185               | 2225              |
| BX 87                 | 2210               | 2240              |
| BX 88                 | 2240               | 2279              |
| BX 89                 | 2261               | 2300              |
| BX 90                 | 2286               | 2330              |
| BX 91                 | 2300               | 2340              |
| BX 92                 | 2337               | 2380              |
| BX 93                 | 2360               | 2400              |
| BX 94                 | 2388               | 2440              |
| BX 95                 | 2413               | 2450              |
| BX 96                 | 2438               | 2480              |
| BX 97                 | 2465               | 2500              |
| BX 98                 | 2500               | 2540              |
| BX 100                | 2540               | 2584              |
| BX 102                | 2600               | 2640              |
| BX 105                | 2667               | 2700              |
| BX 108                | 2750               | 2790              |
| BX 112                | 2845               | 2895              |
| BX 115                | 2921               | 2964              |
| BX 120                | 3048               | 3091              |
| BX 128                | 3250               | 3300              |
| BX 136                | 3450               | 3500              |
| BX 144                | 3658               | 3700              |
| <b>CX SECTION</b>     |                    |                   |
| CX 43                 | 1090               | 1148              |
| CX 49                 | 1250               | 1300              |
| CX 51                 | 1295               | 1353              |
| CX 52                 | 1320               | 1378              |
| CX 55                 | 1400               | 1458              |
| CX 60                 | 1524               | 1582              |
| CX 62                 | 1574               | 1632              |
| CX 67                 | 1700               | 1758              |
| CX 68                 | 1727               | 1785              |
| CX 71                 | 1800               | 1858              |
| CX 75                 | 1900               | 1957              |
| CX 79                 | 2000               | 2058              |
| CX 81                 | 2062               | 2120              |
| CX 85                 | 2159               | 2217              |
| CX 90                 | 2286               | 2350              |
| CX 93                 | 2360               | 2418              |
| CX 96                 | 2438               | 2500              |
| CX 100                | 2540               | 2600              |
| CX 105                | 2667               | 2725              |
| CX 109                | 2770               | 2820              |
| CX 112                | 2845               | 2903              |
| CX 120                | 3048               | 3106              |
| CX 128                | 3250               | 3308              |
| CX 136                | 3450               | 3500              |







# RAW EDGE MOLDED COG HIGH POWER WEDGE BELTS

| Belt reference     | Datum length (mm) | Belt reference | Datum length (mm) | Belt reference | Datum length (mm) | Belt reference | Datum length (mm) | Belt reference     | Datum length (mm) | Belt reference | Datum length (mm) | Belt reference | Datum length (mm) | Belt reference     | Datum length (mm) | Belt reference | Datum length (mm) |                    |      |          |      |          |      |
|--------------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|--------------------|-------------------|----------------|-------------------|----------------|-------------------|--------------------|-------------------|----------------|-------------------|--------------------|------|----------|------|----------|------|
| <b>XPZ SECTION</b> |                   | XPZ 862        | 862               | XPZ 1140       | 1140              | XPZ 1512       | 1512              | XPZ 2500           | 2500              | XPA 969        | 969               | XPA 1282       | 1282              | XPA 1650           | 1650              | XPA 2360       | 2360              | XPB 1400           | 1400 | XPB 2300 | 2300 | XPC 2240 | 2240 |
| XPZ 562            | 562               | XPZ 875        | 875               | XPZ 1150       | 1150              | XPZ 1520       | 1520              | XPZ 2540           | 2540              | XPA 982        | 982               | XPA 1285       | 1285              | XPA 1700           | 1700              | XPA 2432       | 2432              | XPB 1410           | 1410 | XPB 2360 | 2360 | XPC 2360 | 2360 |
| XPZ 587            | 587               | XPZ 887        | 887               | XPZ 1162       | 1162              | XPZ 1537       | 1537              | XPZ 2690           | 2690              | XPA 1000       | 1000              | XPA 1300       | 1300              | XPA 1732           | 1732              | XPA 2482       | 2482              | XPB 1450           | 1450 | XPB 2410 | 2410 | XPC 2500 | 2500 |
| XPZ 600            | 600               | XPZ 900        | 900               | XPZ 1180       | 1180              | XPZ 1550       | 1550              | XPZ 2840           | 2840              | XPA 1007       | 1007              | XPA 1307       | 1307              | XPA 1750           | 1750              | XPA 2500       | 2500              | XPB 1500           | 1500 | XPB 2430 | 2430 | XPC 2650 | 2650 |
| XPZ 612            | 612               | XPZ 912        | 912               | XPZ 1187       | 1187              | XPZ 1560       | 1560              | XPZ 3000           | 3000              | XPA 1030       | 1030              | XPA 1320       | 1320              | XPA 1757           | 1757              | XPA 2582       | 2582              | XPB 1510           | 1510 | XPB 2500 | 2500 | XPC 2800 | 2800 |
| XPZ 630            | 630               | XPZ 925        | 925               | XPZ 1200       | 1200              | XPZ 1562       | 1562              | XPZ 3150           | 3150              | XPA 1032       | 1032              | XPA 1332       | 1332              | XPA 1782           | 1782              | XPA 2650       | 2650              | XPB 1525           | 1525 | XPB 2530 | 2530 | XPC 3000 | 3000 |
| XPZ 637            | 637               | XPZ 937        | 937               | XPZ 1202       | 1202              | XPZ 1587       | 1587              | XPZ 3350           | 3350              | XPA 1055       | 1055              | XPA 1357       | 1357              | XPA 1800           | 1800              | XPA 2682       | 2682              | XPB 1590           | 1590 | XPB 2580 | 2580 | XPC 3150 | 3150 |
| XPZ 662            | 662               | XPZ 950        | 950               | XPZ 1212       | 1212              | XPZ 1600       | 1600              | XPZ 3550           | 3550              | XPA 1060       | 1060              | XPA 1360       | 1360              | XPA 1832           | 1832              | XPA 2732       | 2732              | XPB 1600           | 1600 | XPB 2650 | 2650 | XPC 3350 | 3350 |
| XPZ 670            | 670               | XPZ 957        | 957               | XPZ 1237       | 1237              | XPZ 1612       | 1612              | <b>XPA SECTION</b> |                   | XPA 1082       | 1082              | XPA 1367       | 1367              | XPA 1850           | 1850              | XPA 2800       | 2800              | XPB 1650           | 1650 | XPB 2680 | 2680 | XPC 3550 | 3550 |
| XPZ 687            | 687               | XPZ 962        | 962               | XPZ 1250       | 1250              | XPZ 1650       | 1650              | XPA 1090           | 1090              | XPA 1382       | 1382              | XPA 1882       | 1882              | XPA 2832           | 2832              | XPB 1690       | 1690              | XPB 2700           | 2700 | XPC 3750 | 3750 |          |      |
| XPZ 700            | 700               | XPZ 975        | 975               | XPZ 1262       | 1262              | XPZ 1662       | 1662              | XPA 732            | 732               | XPA 1400       | 1400              | XPA 1900       | 1900              | XPA 2882           | 2882              | XPB 1700       | 1700              | XPB 2800           | 2800 | XPC 4000 | 4000 |          |      |
| XPZ 710            | 710               | XPZ 987        | 987               | XPZ 1270       | 1270              | XPZ 1700       | 1700              | XPA 750            | 750               | XPA 1420       | 1420              | XPA 1950       | 1950              | XPA 2932           | 2932              | XPB 1720       | 1720              | XPB 2840           | 2840 | XPC 4250 | 4250 |          |      |
| XPZ 722            | 722               | XPZ 1000       | 1000              | XPZ 1287       | 1287              | XPZ 1737       | 1737              | XPA 757            | 757               | XPA 1430       | 1430              | XPA 1957       | 1957              | XPA 3000           | 3000              | XPB 1750       | 1750              | XPB 2900           | 2900 | XPC 4500 | 4500 |          |      |
| XPZ 730            | 730               | XPZ 1010       | 1010              | XPZ 1312       | 1312              | XPZ 1750       | 1750              | XPA 782            | 782               | XPA 1432       | 1432              | XPA 1982       | 1982              | XPA 3150           | 3150              | XPB 1800       | 1800              | XPB 2990           | 2990 | XPC 5000 | 5000 |          |      |
| XPZ 737            | 737               | XPZ 1012       | 1012              | XPZ 1320       | 1320              | XPZ 1800       | 1800              | XPA 800            | 800               | XPA 1450       | 1450              | XPA 2000       | 2000              | XPA 3350           | 3350              | XPB 1850       | 1850              | XPB 3000           | 3000 |          |      |          |      |
| XPZ 750            | 750               | XPZ 1024       | 1024              | XPZ 1337       | 1337              | XPZ 1850       | 1850              | XPA 832            | 832               | XPA 1457       | 1457              | XPA 2032       | 2032              | XPA 3550           | 3550              | XPB 1900       | 1900              | XPB 3150           | 3150 |          |      |          |      |
| XPZ 762            | 762               | XPZ 1037       | 1037              | XPZ 1340       | 1340              | XPZ 1900       | 1900              | XPA 850            | 850               | XPA 1482       | 1482              | XPA 2057       | 2057              | XPA 4250           | 4250              | XPB 1950       | 1950              | XPB 3350           | 3350 |          |      |          |      |
| XPZ 772            | 772               | XPZ 1047       | 1047              | XPZ 1362       | 1362              | XPZ 1950       | 1950              | XPA 857            | 857               | XPA 1500       | 1500              | XPA 2082       | 2082              | <b>XPB SECTION</b> |                   | XPB 2000       | 2000              | XPB 3550           | 3550 |          |      |          |      |
| XPZ 787            | 787               | XPZ 1060       | 1060              | XPZ 1400       | 1400              | XPZ 2000       | 2000              | XPA 882            | 882               | XPA 1507       | 1507              | XPA 2120       | 2120              | XPB 1250           | 1250              | XPB 2020       | 2020              | XPB 3750           | 3750 |          |      |          |      |
| XPZ 800            | 800               | XPZ 1077       | 1077              | XPZ 1420       | 1420              | XPZ 2030       | 2030              | XPA 900            | 900               | XPA 1532       | 1532              | XPA 2160       | 2160              | XPB 1260           | 1260              | XPB 2060       | 2060              | XPB 3800           | 3800 |          |      |          |      |
| XPZ 812            | 812               | XPZ 1080       | 1080              | XPZ 1437       | 1437              | XPZ 2060       | 2060              | XPA 907            | 907               | XPA 1550       | 1550              | XPA 2180       | 2180              | XPB 1270           | 1270              | XPB 2120       | 2120              | XPB 4000           | 4000 |          |      |          |      |
| XPZ 825            | 825               | XPZ 1087       | 1087              | XPZ 1462       | 1462              | XPZ 2120       | 2120              | XPA 925            | 925               | XPA 1557       | 1557              | XPA 2240       | 2240              | XPB 1280           | 1280              | XPB 2150       | 2150              | <b>XPC SECTION</b> |      |          |      |          |      |
| XPZ 837            | 837               | XPZ 1112       | 1112              | XPZ 1470       | 1470              | XPZ 2160       | 2160              | XPA 932            | 932               | XPA 1582       | 1582              | XPA 2282       | 2282              | XPB 1320           | 1320              | XPB 2180       | 2180              | XPC 2000           | 2000 |          |      |          |      |
| XPZ 850            | 850               | XPZ 1120       | 1120              | XPZ 1487       | 1487              | XPZ 2240       | 2240              | XPA 950            | 950               | XPA 1600       | 1600              | XPA 2300       | 2300              | XPB 1340           | 1340              | XPB 2240       | 2240              | XPC 2120           | 2120 |          |      |          |      |
|                    |                   | XPZ 1137       | 1137              | XPZ 1500       | 1500              | XPZ 2360       | 2360              | XPA 957            | 957               | XPA 1632       | 1632              |                |                   |                    |                   | XPB 2280       | 2280              |                    |      |          |      |          |      |



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