

等截面薄壁軸承 CONSTANT CROSS-SECTION THIN-WALL BEARINGS

高精度 · 高承載 · 長壽命 · 更穩定

HIGH PRECISION · HIGH LOAD · LONG LIFE · MORE STABLE



高精度 HIGH PRECISION

精密加工與嚴格品質控制，
確保高精度運行。

Precision machining and strict
quality control ensure high
precision operation.

高剛性 HIGH RIGIDITY

優化結構設計，提供穩定的
支撐與高剛性。

Optimized structural design
provides stable support and
high rigidity.

高承載 HIGH LOAD CAPACITY

可承受徑向、軸向及純軸向負荷，
適用於重負載工況。

Capable of withstanding radial,
axial and pure axial load.
Suitable for high load conditions.

長壽命 LONG LIFE

優質材料與熱處理工藝，
延長軸承使用壽命。

High-quality materials and heat
treatment processes extend
bearing service life.

低摩擦 · 低噪音 LOW FRICTION · LOW NOISE

精密的滾道加工與保持架設計，
降低摩擦與噪音。

Precision raceway machining and
cage design reduce friction and
noise.

等截面薄壁軸承由七個開式系列和五個密封系列組成，內孔直徑從1英寸到40英寸，橫截的尺寸範圍從0.1875X0.1875英寸到1.000X1.000英寸，薄壁套圈軸承可以是角接觸球軸承（A）、四點接觸球軸承（X）、深溝球軸承（C）。在不同的系列中都提供着以上各種設計，系列則取決於橫截面的大小，球與系列匹配。

角接觸軸承可以匹配最優化數量的球並且其接觸角度為30°。它們支持的徑向負載比深溝球軸承或四點接觸球軸承更高，並可以支持源於同一方向的軸向負載。針對特殊需求，角接觸軸承也可以作為配對軸承提供。因此，這些組合的剛性和承載能力比單軸承產品要高出很多。

四點接觸球軸承可以支持雙向軸向負載以及徑向負載；因此它們與雙列角接觸球軸承的運行方式相同。深溝球軸承可以支持雙向的軸向負載以及徑向負載。

Constant cross-section thin-wall bearings are comprised of seven open-series and five sealed-series, inner diameters ranging from 1 inch to 40 inches, and cross-section dimensions from 0.1875X0.1875 inch to 1.000X1.000 inch. Thin-wall ring bearings can be angular contact ball bearings (A), four-point contact ball bearings (X), or deep groove ball bearings (C). All designs are available across different series, which are determined by the cross-section size and ball complement.

Angular contact bearings can accommodate the optimum number of balls and have a 30° contact angle. They support higher radial loads than deep groove or four-point contact ball bearings and can also support axial loads from one direction. For special requirements, angular contact bearings can be supplied as matched pairs, providing much higher rigidity and load-carrying capacity than single bearings.

Four-point contact ball bearings can support bi-directional axial loads and radial loads, functioning in the same manner as double-row angular contact ball bearings. Deep groove ball bearings can support bi-directional axial loads and radial loads.



X型四點接觸球軸承-KAA系列 Four point contact ball bearing(X type)-KAA series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|-------|--------|----------------------|--------|--------|---------------------------|-------|----------|-------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KAA10XL0 | 1 | 1.375 | 0.1875 | 25.4 | 34.925 | 4.7625 | 1280 | 1090 | 3240 | 1640 | 10 | 10 | 0.011 |
| KAA15XL0 | 1.5 | 1.875 | 0.1875 | 38.1 | 47.625 | 4.7625 | 1770 | 1310 | 4440 | 2040 | 30 | 20 | 0.017 |
| KAA17XL0 | 1.75 | 2.125 | 0.1875 | 44.45 | 53.975 | 4.7625 | 2040 | 1410 | 5060 | 2220 | 50 | 20 | 0.02 |

X型四點接觸球軸承-KA系列 Four point contact ball bearing(X type)-KA series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|------|------|----------------------|--------|------|---------------------------|-------|----------|-------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KA020XP0 | 2 | 2.5 | 0.25 | 50.8 | 63.5 | 6.35 | 3020 | 2280 | 7600 | 3510 | 80 | 40 | 0.045 |
| KA025XP0 | 2.5 | 3 | 0.25 | 63.5 | 76.2 | 6.35 | 3680 | 2590 | 9290 | 4040 | 120 | 60 | 0.054 |
| KA030XP0 | 3 | 3.5 | 0.25 | 76.2 | 88.9 | 6.35 | 4400 | 2850 | 10970 | 4480 | 180 | 80 | 0.064 |
| KA035XP0 | 3.5 | 4 | 0.25 | 88.9 | 101.6 | 6.35 | 5060 | 3110 | 12660 | 4930 | 240 | 110 | 0.077 |
| KA040XP0 | 4 | 4.5 | 0.25 | 101.6 | 114.3 | 6.35 | 5730 | 3360 | 14310 | 5370 | 300 | 130 | 0.096 |
| KA042XP0 | 4.25 | 4.75 | 0.25 | 107.95 | 120.65 | 6.35 | 6080 | 3490 | 15150 | 5600 | 340 | 140 | 0.091 |
| KA045XP0 | 4.5 | 5 | 0.25 | 114.3 | 127 | 6.35 | 6400 | 3590 | 16000 | 5820 | 380 | 160 | 0.095 |
| KA047XP0 | 4.75 | 5.25 | 0.25 | 120.65 | 133.35 | 6.35 | 6750 | 3700 | 16840 | 6000 | 420 | 170 | 0.1 |
| KA050XP0 | 5 | 5.5 | 0.25 | 127 | 139.7 | 6.35 | 7060 | 3810 | 17690 | 6220 | 470 | 190 | 0.104 |
| KA055XP0 | 5.5 | 6 | 0.25 | 139.7 | 152.4 | 6.35 | 7770 | 4030 | 19360 | 6570 | 560 | 220 | 0.113 |
| KA060XP0 | 6 | 6.5 | 0.25 | 152.4 | 165.1 | 6.35 | 8440 | 4240 | 21070 | 6970 | 660 | 250 | 0.127 |
| KA065XP0 | 6.5 | 7 | 0.25 | 165.1 | 177.8 | 6.35 | 9110 | 4440 | 22750 | 7330 | 780 | 280 | 0.136 |
| KA070XP0 | 7 | 7.5 | 0.25 | 177.8 | 190.5 | 6.35 | 9770 | 4640 | 24440 | 7690 | 900 | 320 | 0.145 |
| KA075XP0 | 7.5 | 8 | 0.25 | 190.5 | 203.2 | 6.35 | 10440 | 4840 | 26130 | 8040 | 1020 | 350 | 0.154 |
| KA080XP0 | 8 | 8.5 | 0.25 | 203.2 | 215.9 | 6.35 | 11110 | 5020 | 27820 | 8400 | 1160 | 390 | 0.163 |
| KA090XP0 | 9 | 9.5 | 0.25 | 228.6 | 241.3 | 6.35 | 12490 | 5380 | 31200 | 9060 | 1460 | 470 | 0.186 |
| KA100XP0 | 10 | 10.5 | 0.25 | 254 | 266.7 | 6.35 | 13820 | 5720 | 34580 | 9690 | 1790 | 550 | 0.204 |
| KA110XP0 | 11 | 11.5 | 0.25 | 279.4 | 292.1 | 6.35 | 15150 | 6050 | 37960 | 10310 | 2160 | 640 | 0.227 |
| KA120XP0 | 12 | 12.5 | 0.25 | 304.8 | 317.5 | 6.35 | 16530 | 6360 | 41340 | 10890 | 2570 | 740 | 0.245 |

X型四點接觸球軸承-KC系列 Four point contact ball bearing(X type)-KC series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|-------|-------|----------------------|--------|----|---------------------------|-------|----------|-------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KC040CP0 | 4 | 4.75 | 0.375 | 101.6 | 120.65 | . | 9,340 | | 9,740 | | 5,740 | | |
| KC042CP0 | 4.25 | 5 | 0.375 | 107.95 | 127 | | 9,525 | | 9,880 | | 5,870 | | |
| KC045CP0 | 4.5 | 5.25 | 0.375 | 114.3 | 133.35 | | 9,525 | | 10,410 | | 6,010 | | |
| KC047CP0 | 4.75 | 5.5 | 0.375 | 120.65 | 139.7 | | 9,525 | | 10,940 | | 6,090 | | |
| KC050CP0 | 5 | 5.75 | 0.375 | 127 | 146.05 | | 9,520 | | 6,180 | | 6,236 | | |
| KC055CP0 | 5.5 | 6.25 | 0.375 | 139.7 | 158.75 | | 12,590 | | 6,410 | | 0,263 | | |
| KC060CP0 | 6 | 6.75 | 0.375 | 152.4 | 171.45 | | 13,660 | | 6,630 | | 0,29 | | |
| KC065CP0 | 6.5 | 7.25 | 0.375 | 165.1 | 184.15 | | 14,720 | | 6,810 | | 0,308 | | |
| KC070CP0 | 7 | 7.75 | 0.375 | 177.8 | 196.85 | | 15,790 | | 6,960 | | 0,336 | | |
| KC075CP0 | 7.5 | 8.25 | 0.375 | 190.5 | 209.55 | | 16,860 | | 7,120 | | 0,354 | | |
| KC080CP0 | 8 | 8.75 | 0.375 | 203.2 | 222.25 | | 17,930 | | 7,340 | | 0,381 | | |
| KC090CP0 | 9 | 9.75 | 0.375 | 228.6 | 247.65 | | 20,060 | | 7,700 | | 0,445 | | |
| KC100CP0 | 10 | 10.75 | 0.375 | 254 | 273.05 | | 22,200 | | 7,920 | | 0,472 | | |
| KC110CP0 | 11 | 11.75 | 0.375 | 279.4 | 298.45 | | 24,330 | | 8,360 | | 0,517 | | |
| KC120CP0 | 12 | 12.75 | 0.375 | 304.8 | 323.85 | | 26,470 | | 8,760 | | 0,558 | | |
| KC140CP0 | 14 | 14.75 | 0.375 | 355.6 | 374.65 | | 30,740 | | 9,560 | | 0,649 | | |
| KC160CP0 | 16 | 16.75 | 0.375 | 406.4 | 425.45 | | 35,050 | | 10,320 | | 0,739 | | |
| KC180CP0 | 18 | 18.75 | 0.375 | 457.2 | 476.25 | | 39,320 | | 11,020 | | 0,83 | | |
| KC200CP0 | 20 | 20.75 | 0.375 | 508 | 527.05 | | 43,590 | | 11,680 | | 0,921 | | |
| KC250CP0 | 25 | 25.75 | 0.375 | 635 | 654.05 | | 54,270 | | 13,180 | | 1,143 | | |
| KC300CP0 | 30 | 30.75 | 0.375 | 762 | 781.05 | | 64,990 | | 14,500 | | 1,37 | | |

註：1. 1英寸(in) = 25.4毫米(mm)

2. 表中靜載Cor為基本額定靜態載荷的額定值，動載Cr為基本額定動態載荷的額定值。

3. 重量僅供參考，實際重量以產品為準。

IBC超薄型等截面薄壁軸承

開式英制系列軸承

Open inch series bearings



X型四點接觸球軸承—KB系列 Four point contact ball bearing(X type)-KB series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size (in) | | | 公制尺寸 Metric size (mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|---------------------|--------|--------|-----------------------|---------|--------|---------------------------|--------|----------|--------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | | |
| KB020XPO | 2 | 2.625 | 0.3125 | 50.8 | 66.675 | 7.9375 | 4130 | 3360 | 10400 | 5020 | 120 | 70 | 0.068 |
| KB025XPO | 2.5 | 3.125 | 0.3125 | 63.5 | 79.375 | 7.9375 | 5060 | 3760 | 12620 | 5730 | 180 | 100 | 0.086 |
| KB030XPO | 3 | 3.625 | 0.3125 | 76.2 | 92.075 | 7.9375 | 5950 | 4140 | 14880 | 6400 | 250 | 130 | 0.1 |
| KB035XPO | 3.5 | 4.125 | 0.3125 | 88.9 | 104.775 | 7.9375 | 6840 | 4500 | 17150 | 7060 | 330 | 160 | 0.122 |
| KB040XPO | 4 | 4.625 | 0.3125 | 101.6 | 117.475 | 7.9375 | 7770 | 4840 | 19420 | 7640 | 420 | 190 | 0.136 |
| KB042XPO | 4.25 | 4.875 | 0.3125 | 107.95 | 123.825 | 7.9375 | 8130 | 4970 | 20310 | 7910 | 470 | 210 | 0.141 |
| KB045XPO | 4.5 | 5.125 | 0.3125 | 114.3 | 130.175 | 7.9375 | 8660 | 5170 | 21690 | 8220 | 520 | 230 | 0.154 |
| KB047XPO | 4.75 | 5.375 | 0.3125 | 120.65 | 136.525 | 7.9375 | 9020 | 5300 | 22580 | 8440 | 580 | 250 | 0.159 |
| KB050XPO | 5 | 5.625 | 0.3125 | 127 | 142.875 | 7.9375 | 9550 | 5490 | 23910 | 8800 | 640 | 270 | 0.169 |
| KB055XPO | 5.5 | 6.125 | 0.3125 | 139.7 | 155.575 | 7.9375 | 10490 | 5790 | 26190 | 9330 | 770 | 320 | 0.181 |
| KB060XPO | 6 | 6.625 | 0.3125 | 152.4 | 168.275 | 7.9375 | 11370 | 6090 | 28440 | 9860 | 910 | 360 | 0.2 |
| KB065XPO | 6.5 | 7.125 | 0.3125 | 165.1 | 180.975 | 7.9375 | 12260 | 6370 | 30710 | 10400 | 1060 | 410 | 0.213 |
| KB070XPO | 7 | 7.625 | 0.3125 | 177.8 | 193.675 | 7.9375 | 13200 | 6650 | 32980 | 10890 | 1220 | 460 | 0.227 |
| KB075XPO | 7.5 | 8.125 | 0.3125 | 190.5 | 206.375 | 7.9375 | 14090 | 6930 | 35200 | 11370 | 1390 | 510 | 0.245 |
| KB080XPO | 8 | 8.625 | 0.3125 | 203.2 | 219.075 | 7.9375 | 14980 | 7190 | 37470 | 11880 | 1580 | 560 | 0.259 |
| KB090XPO | 9 | 9.625 | 0.3125 | 228.6 | 244.475 | 7.9375 | 16800 | 7690 | 42000 | 12800 | 1980 | 680 | 0.29 |
| KB100XPO | 10 | 10.625 | 0.3125 | 254 | 269.875 | 7.9375 | 18620 | 8180 | 46480 | 13690 | 2430 | 800 | 0.322 |
| KB110XPO | 11 | 11.625 | 0.3125 | 279.4 | 295.275 | 7.9375 | 20400 | 8640 | 51030 | 14560 | 2930 | 930 | 0.354 |
| KB120XPO | 12 | 12.625 | 0.3125 | 304.8 | 320.675 | 7.9375 | 22220 | 9090 | 55560 | 15420 | 3470 | 1060 | 0.386 |
| KB140XPO | 14 | 14.625 | 0.3125 | 355.6 | 371.475 | 7.9375 | 25820 | 9930 | 64580 | 17060 | 4690 | 1350 | 0.445 |
| KB160XPO | 16 | 16.625 | 0.3125 | 406.4 | 422.275 | 7.9375 | 29420 | 10710 | 73610 | 18620 | 6090 | 1660 | 0.508 |
| KB180XPO | 18 | 18.625 | 0.3125 | 457.2 | 473.075 | 7.9375 | 33070 | 11450 | 82630 | 20090 | 7680 | 1990 | 0.572 |
| KB200XPO | 20 | 20.625 | 0.3125 | 508 | 523.875 | 7.9375 | 36670 | 12130 | 91660 | 21550 | 9450 | 2340 | 0.635 |

X型四點接觸球軸承—KC系列 Four point contact ball bearing(X type)-KC series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size (in) | | | 公制尺寸 Metric size (mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|---------------------|-------|-------|-----------------------|--------|--------|---------------------------|--------|----------|--------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | | |
| KC040XPO | 4 | 4.75 | 0.375 | 101.6 | 120.65 | 9.525 | 9330 | 6290 | 23380 | 9820 | 510 | 260 | 0.2 |
| KC042XPO | 4.25 | 5 | 0.375 | 107.95 | 127 | 9.525 | 9860 | 6500 | 24710 | 10170 | 580 | 280 | 0.209 |
| KC045XPO | 4.5 | 5.25 | 0.375 | 114.3 | 133.35 | 9.525 | 10400 | 6710 | 26040 | 10570 | 640 | 310 | 0.222 |
| KC047XPO | 4.75 | 5.5 | 0.375 | 120.65 | 139.7 | 9.525 | 10930 | 6910 | 27380 | 10930 | 710 | 330 | 0.231 |
| KC050XPO | 5 | 5.75 | 0.375 | 127 | 146.05 | 9.525 | 11510 | 7110 | 28710 | 11290 | 780 | 360 | 0.245 |
| KC055XPO | 5.5 | 6.25 | 0.375 | 139.7 | 158.75 | 9.525 | 12570 | 7490 | 31380 | 11950 | 930 | 410 | 0.263 |
| KC060XPO | 6 | 6.75 | 0.375 | 152.4 | 171.45 | 9.525 | 13640 | 7860 | 34050 | 12620 | 1100 | 470 | 0.29 |
| KC065XPO | 6.5 | 7.25 | 0.375 | 165.1 | 184.15 | 9.525 | 14710 | 8220 | 36760 | 13290 | 1280 | 530 | 0.308 |
| KC070XPO | 7 | 7.75 | 0.375 | 177.8 | 196.85 | 9.525 | 15780 | 8580 | 39420 | 13910 | 1470 | 600 | 0.336 |
| KC075XPO | 7.5 | 8.25 | 0.375 | 190.5 | 209.55 | 9.525 | 16840 | 8920 | 42090 | 14530 | 1660 | 660 | 0.354 |
| KC080XPO | 8 | 8.75 | 0.375 | 203.2 | 222.25 | 9.525 | 17910 | 9250 | 44760 | 15150 | 1960 | 730 | 0.381 |
| KC090XPO | 9 | 9.75 | 0.375 | 228.6 | 247.65 | 9.525 | 20040 | 9890 | 50090 | 16310 | 2330 | 880 | 0.445 |
| KC100XPO | 10 | 10.75 | 0.375 | 254 | 273.05 | 9.525 | 22180 | 10500 | 55430 | 17460 | 2920 | 1030 | 0.472 |
| KC110XPO | 11 | 11.75 | 0.375 | 279.4 | 298.45 | 9.525 | 24310 | 11090 | 60810 | 18580 | 3510 | 1200 | 0.517 |
| KC120XPO | 12 | 12.75 | 0.375 | 304.8 | 323.85 | 9.525 | 26440 | 11650 | 66140 | 19640 | 4150 | 1370 | 0.558 |
| KC140XPO | 14 | 14.75 | 0.375 | 355.6 | 374.65 | 9.525 | 30710 | 12720 | 76810 | 21730 | 5610 | 1740 | 0.649 |
| KC160XPO | 16 | 16.75 | 0.375 | 406.4 | 425.45 | 9.525 | 35020 | 13710 | 87520 | 23690 | 7290 | 2140 | 0.739 |
| KC180XPO | 18 | 18.75 | 0.375 | 457.2 | 476.25 | 9.525 | 39290 | 14640 | 98190 | 25600 | 9160 | 2560 | 0.83 |
| KC200XPO | 20 | 20.75 | 0.375 | 508 | 527.05 | 9.525 | 43560 | 15520 | 108900 | 27420 | 11270 | 3010 | 0.921 |
| KC250XPO | 25 | 25.75 | 0.375 | 635 | 654.05 | 9.525 | 54230 | 17510 | 135620 | 31730 | 17470 | 4230 | 1.143 |
| KC300XPO | 30 | 30.75 | 0.375 | 762 | 781.05 | 9.525 | 64940 | 19280 | 162330 | 35780 | 25050 | 5580 | 1.37 |

X型四點接觸球軸承—KG系列 Four point contact ball bearing(X type)-KG series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size (in) | | | 公制尺寸 Metric size (mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|---------------------|------|----|-----------------------|--------|--------|---------------------------|--------|----------|--------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | | |
| KG040XPO | 4 | 6 | 1 | 101.6 | 152.4 | 25.4 | 36,520 | | 39,800 | | 39,800 | | 1.64 |
| KG042XPO | 4.25 | 6.25 | 1 | 107.95 | 158.75 | 25.4 | 36,520 | | 29,800 | | 29,800 | | 1.74 |
| KG045XPO | 4.5 | 6.5 | 1 | 114.3 | 165.1 | 25.4 | 36,870 | | 31,140 | | 31,140 | | 1.79 |
| KG047XPO | 4.75 | 6.75 | 1 | 120.65 | 171.45 | 25.4 | 41,370 | | 32,430 | | 32,430 | | 1.89 |
| KG050XPO | 5 | 7 | 1 | 127 | 177.8 | 25.4 | 43,810 | | 33,870 | | 33,870 | | 2 |
| KG055XPO | 5.5 | 7.5 | 1 | 139.7 | 190.5 | 25.4 | 45,250 | | 34,920 | | 34,920 | | 2.15 |
| KG060XPO | 6 | 8 | 1 | 152.4 | 203.2 | 25.4 | 51,110 | | 37,320 | | 37,320 | | 2.3 |
| KG065XPO | 6.5 | 8.5 | 1 | 165.1 | 215.9 | 25.4 | 53,560 | | 37,900 | | 37,900 | | 2.45 |
| KG070XPO | 7 | 9 | 1 | 177.8 | 228.6 | 25.4 | 58,410 | | 39,500 | | 39,500 | | 2.66 |
| KG075XPO | 7.5 | 9.5 | 1 | 190.5 | 241.3 | 25.4 | 47,300 | | 39,980 | | 39,980 | | 2.81 |
| KG080XPO | 8 | 10 | 1 | 203.2 | 254 | 25.4 | 65,700 | | 41,370 | | 61,370 | | 2.97 |
| KG090XPO | 9 | 11 | 1 | 228.6 | 279.4 | 25.4 | 73,040 | | 43,240 | | 63,240 | | 3.27 |
| KG100XPO | 10 | 12 | 1 | 254 | 304.8 | 25.4 | 80,330 | | 44,660 | | 84,660 | | 3.63 |
| KG110XPO | 11 | 13 | 1 | 279.4 | 330.2 | 25.4 | 87,630 | | 46,080 | | 83,680 | | 3.94 |
| KG120XPO | 12 | 14 | 1 | 304.8 | 355.6 | 25.4 | 94,930 | | 47,550 | | 87,550 | | 4.3 |
| KG140XPO | 14 | 16 | 1 | 355.6 | 406.4 | 25.4 | 109,520 | | 50,180 | | 100,980 | | 4.94 |
| KG160XPO | 16 | 18 | 1 | 406.4 | 457.2 | 25.4 | 124,150 | | 52,580 | | 103,580 | | 5.62 |
| KG180XPO | 18 | 20 | 1 | 457.2 | 508 | 25.4 | 138,740 | | 55,010 | | 106,010 | | 6.26 |
| KG200XPO | 20 | 22 | 1 | 508 | 558.8 | 25.4 | 153,930 | | 58,020 | | 108,020 | | 6.89 |
| KG220XPO | 22 | 24 | 1 | 558.8 | 609.6 | 25.4 | 168,930 | | 61,020 | | 111,020 | | 7.543 |
| KG250XPO | 25 | 27 | 1 | 635 | 685.8 | 25.4 | 189,850 | | 64,900 | | 116,900 | | 8.528 |
| KG300XPO | 30 | 37 | 1 | 762 | 839.8 | 25.4 | 262,890 | | 76,490 | | 200,490 | | 10.884 |
| KG400XPO | 40 | 42 | 1 | 1016 | 1066.8 | 25.4 | 299,410 | | 81,430 | | 208,430 | | 13.517 |

註：1. 1英寸(in) = 25.4毫米(mm)

2. 表中靜載Cor為基本額定靜態載荷的額定值，動載Cr為基本額定動態載荷的額定值。

3. 重量僅供參考，實際重量以產品為準。

IBC超薄型等截面薄壁軸承

X型四點接觸球軸承 – KD系列 Four point contact ball bearing(X type)-KD series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|------|-----|----------------------|--------|------|---------------------------|-------|----------|-------|----------------|------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向radial loading | | 軸向 axial | | 力矩Torque (N-m) | | |
| | | | | | | | 靜載Cor | 動載Cr | 靜載Cor | 動載Cr | 靜載Cor | 動載Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KD040XP0 | 4 | 5 | 0.5 | 101.6 | 127 | 12.7 | 13690 | 10270 | 34220 | 15640 | 780 | 440 | 0.363 |
| KD042XP0 | 4.25 | 5.25 | 0.5 | 107.95 | 133.35 | 12.7 | 14180 | 10460 | 35470 | 16000 | 850 | 470 | 0.381 |
| KD045XP0 | 4.5 | 5.5 | 0.5 | 114.3 | 139.7 | 12.7 | 15200 | 10900 | 38000 | 16750 | 960 | 510 | 0.4 |
| KD047XP0 | 4.75 | 5.75 | 0.5 | 120.65 | 146.05 | 12.7 | 15690 | 11090 | 39290 | 17150 | 1040 | 550 | 0.422 |
| KD050XP0 | 5 | 6 | 0.5 | 127 | 152.4 | 12.7 | 16710 | 11520 | 41820 | 17860 | 1160 | 600 | 0.445 |
| KD055XP0 | 5.5 | 6.5 | 0.5 | 139.7 | 165.1 | 12.7 | 18220 | 12110 | 45600 | 18930 | 1380 | 690 | 0.481 |
| KD060XP0 | 6 | 7 | 0.5 | 152.4 | 177.8 | 12.7 | 19760 | 12690 | 49430 | 19950 | 1630 | 780 | 0.522 |
| KD065XP0 | 6.5 | 7.5 | 0.5 | 165.1 | 190.5 | 12.7 | 21290 | 13240 | 53200 | 20960 | 1890 | 860 | 0.562 |
| KD070XP0 | 7 | 8 | 0.5 | 177.8 | 203.2 | 12.7 | 22820 | 13790 | 57030 | 21950 | 2170 | 980 | 0.603 |
| KD075XP0 | 7.5 | 8.5 | 0.5 | 190.5 | 215.9 | 12.7 | 24310 | 14320 | 60830 | 22930 | 2470 | 1090 | 0.644 |
| KD080XP0 | 8 | 9 | 0.5 | 203.2 | 228.6 | 12.7 | 25820 | 14830 | 64830 | 23870 | 2780 | 1200 | 0.689 |
| KD090XP0 | 9 | 10 | 0.5 | 228.6 | 254 | 12.7 | 28890 | 15820 | 72230 | 25730 | 3480 | 1430 | 0.767 |
| KD100XP0 | 10 | 11 | 0.5 | 254 | 279.4 | 12.7 | 31910 | 16780 | 79830 | 27510 | 4250 | 1670 | 0.848 |
| KD110XP0 | 11 | 12 | 0.5 | 279.4 | 304.8 | 12.7 | 34980 | 17690 | 87430 | 29200 | 5100 | 1930 | 0.93 |
| KD120XP0 | 12 | 13 | 0.5 | 304.8 | 330.2 | 12.7 | 38000 | 18570 | 95030 | 30890 | 6030 | 2210 | 1.01 |
| KD140XP0 | 14 | 15 | 0.5 | 355.6 | 381 | 12.7 | 44090 | 20230 | 102040 | 34090 | 8110 | 2790 | 1.17 |
| KD160XP0 | 16 | 17 | 0.5 | 406.4 | 431.8 | 12.7 | 50180 | 21770 | 125440 | 37160 | 10510 | 3420 | 1.33 |
| KD180XP0 | 18 | 19 | 0.5 | 457.2 | 482.6 | 12.7 | 56230 | 23230 | 140640 | 40140 | 13210 | 4090 | 1.49 |
| KD200XP0 | 20 | 21 | 0.5 | 508 | 533.4 | 12.7 | 62320 | 24590 | 155840 | 42980 | 16220 | 4800 | 1.66 |
| KD210XP0 | 21 | 22 | 0.5 | 533.4 | 558.8 | 12.7 | 65380 | 25250 | 163450 | 44360 | 17850 | 5170 | 1.737 |
| KD250XP0 | 25 | 26 | 0.5 | 635 | 660.4 | 12.7 | 77520 | 27710 | 193350 | 49690 | 25110 | 6730 | 2.06 |
| KD300XP0 | 30 | 31 | 0.5 | 762 | 787.4 | 12.7 | 92720 | 30470 | 231860 | 56000 | 35910 | 8850 | 2.468 |

X型四點接觸球軸承 – KF系列 Four point contact ball bearing(X type)-KF series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|------|------|----------------------|--------|-------|---------------------------|-------|----------|--------|----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向radial loading | | 軸向 axial | | 力矩Torque (N-m) | | |
| | | | | | | | 靜載Cor | 動載Cr | 靜載Cor | 動載Cr | 靜載Cor | 動載Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KF040XP0 | 4 | 5.5 | 0.75 | 101.6 | 139.7 | 19.05 | 23820 | 20730 | 59560 | 30360 | 1430 | 930 | 0.875 |
| KF042XP0 | 4.25 | 5.75 | 0.75 | 107.95 | 146.05 | 19.05 | 25070 | 21310 | 62720 | 31420 | 1590 | 1010 | 0.93 |
| KF045XP0 | 4.5 | 6 | 0.75 | 114.3 | 152.4 | 19.05 | 26360 | 21880 | 65830 | 32440 | 1750 | 1090 | 0.975 |
| KF047XP0 | 4.75 | 6.25 | 0.75 | 120.65 | 158.75 | 19.05 | 27600 | 22430 | 68960 | 33470 | 1920 | 1170 | 1.04 |
| KF050XP0 | 5 | 6.5 | 0.75 | 127 | 165.1 | 19.05 | 28840 | 22990 | 72100 | 34490 | 2100 | 1250 | 1.09 |
| KF055XP0 | 5.5 | 7 | 0.75 | 139.7 | 177.8 | 19.05 | 31330 | 24070 | 78360 | 36450 | 2480 | 1430 | 1.18 |
| KF060XP0 | 6 | 7.5 | 0.75 | 152.4 | 190.5 | 19.05 | 33870 | 25110 | 84680 | 38360 | 2900 | 1610 | 1.24 |
| KF065XP0 | 6.5 | 8 | 0.75 | 165.1 | 203.2 | 19.05 | 36350 | 26130 | 90940 | 40220 | 3340 | 1800 | 1.35 |
| KF070XP0 | 7 | 8.5 | 0.75 | 177.8 | 215.9 | 19.05 | 38890 | 27120 | 97210 | 42050 | 3820 | 2000 | 1.45 |
| KF075XP0 | 7.5 | 9 | 0.75 | 190.5 | 228.6 | 19.05 | 41380 | 28100 | 103480 | 43870 | 4330 | 2200 | 1.56 |
| KF080XP0 | 8 | 9.5 | 0.75 | 203.2 | 241.3 | 19.05 | 43910 | 29040 | 109750 | 45600 | 4870 | 2420 | 1.66 |
| KF090XP0 | 9 | 10.5 | 0.75 | 228.6 | 266.7 | 19.05 | 48890 | 30880 | 122280 | 49930 | 6050 | 2860 | 1.81 |
| KF100XP0 | 10 | 11.5 | 0.75 | 254 | 292.1 | 19.05 | 53920 | 32630 | 134820 | 52320 | 7360 | 3340 | 2.02 |
| KF110XP0 | 11 | 12.5 | 0.75 | 279.4 | 317.5 | 19.05 | 58940 | 34320 | 147350 | 55520 | 8790 | 3840 | 2.18 |
| KF120XP0 | 12 | 13.5 | 0.75 | 304.8 | 342.9 | 19.05 | 63960 | 35930 | 159890 | 58630 | 10350 | 4360 | 2.38 |
| KF140XP0 | 14 | 15.5 | 0.75 | 355.6 | 393.7 | 19.05 | 74010 | 39000 | 185000 | 64580 | 13860 | 5480 | 2.72 |
| KF160XP0 | 16 | 17.5 | 0.75 | 406.4 | 444.5 | 19.05 | 84010 | 41870 | 210080 | 70320 | 17870 | 6680 | 3.22 |
| KF180XP0 | 18 | 19.5 | 0.75 | 457.2 | 495.3 | 19.05 | 94060 | 44570 | 235150 | 75830 | 22400 | 7960 | 3.58 |
| KF200XP0 | 20 | 21.5 | 0.75 | 508 | 546.1 | 19.05 | 104100 | 47120 | 260260 | 81120 | 27430 | 9310 | 4.04 |
| KF250XP0 | 25 | 26.5 | 0.75 | 635 | 673.1 | 19.05 | 129170 | 52930 | 292940 | 93680 | 42250 | 12980 | 4.763 |
| KF300XP0 | 30 | 31.5 | 0.75 | 762 | 800.1 | 19.05 | 154240 | 58070 | 385660 | 105440 | 60240 | 17010 | 5.67 |
| KF350XP0 | 35 | 36.5 | 0.75 | 889 | 927.1 | 19.05 | 179360 | 62670 | 445520 | 116550 | 81420 | 21350 | 6.623 |
| KF400XP0 | 40 | 41.5 | 0.75 | 1016 | 1054.1 | 19.05 | 204430 | 66820 | 511190 | 127220 | 105800 | 25940 | 7.53 |

註：1. 1英寸(in) = 25.4毫米(mm)

2. 表中靜載Cor為基本額定靜態載荷的額定值，動載Cr為基本額定動態載荷的額定值。

3. 重量僅供參考，實際重量以產品為準。

IBC超薄型等截面薄壁軸承

開式英制系列軸承

Open inch series bearings



X型四點接觸球軸承—KG系列 Four point contact ball bearing(X type)-KG series

| 軸承型號 Bearing Designations | 英制尺寸 Inch size(in) | | | 公制尺寸 Metric size(mm) | | | 承載能力 Loading capacity (N) | | | | | | 重量 (千克) Weight (kg) |
|---------------------------------|--------------------|------|----|----------------------|--------|------|---------------------------|--------|----------|--------|-----------------|-------|------------------------------|
| | 內徑 | 外徑 | 寬度 | 內徑 | 外徑 | 寬度 | 徑向 radial loading | | 軸向 axial | | 力矩 Torque (N-m) | | |
| | | | | | | | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | 靜載 Cor | 動載 Cr | |
| d | D | B | d | D | B | | | | | | | | |
| KG040XPO | 4 | 6 | 1 | 101.6 | 152.4 | 25.4 | 36490 | 35460 | 91210 | 50050 | 2310 | 1680 | 1.64 |
| KG042XPO | 4.25 | 6.25 | 1 | 107.95 | 158.75 | 25.4 | 36490 | 35190 | 91210 | 50050 | 2430 | 1760 | 1.74 |
| KG045XPO | 4.5 | 6.5 | 1 | 114.3 | 165.1 | 25.4 | 38930 | 36470 | 97300 | 52230 | 2710 | 1910 | 1.79 |
| KG047XPO | 4.75 | 6.75 | 1 | 120.65 | 171.45 | 25.4 | 41340 | 37720 | 103390 | 54360 | 3010 | 2060 | 1.89 |
| KG050XPO | 5 | 7 | 1 | 127 | 177.8 | 25.4 | 43760 | 39940 | 109440 | 56490 | 3330 | 2220 | 2 |
| KG055XPO | 5.5 | 7.5 | 1 | 139.7 | 190.5 | 25.4 | 46230 | 39910 | 115530 | 58580 | 3810 | 2470 | 2.15 |
| KG060XPO | 6 | 8 | 1 | 152.4 | 203.2 | 25.4 | 51070 | 42240 | 127710 | 62630 | 4540 | 2810 | 2.3 |
| KG065XPO | 6.5 | 8.5 | 1 | 165.1 | 215.9 | 25.4 | 53520 | 43170 | 133900 | 64580 | 5090 | 3090 | 2.45 |
| KG070XPO | 7 | 9 | 1 | 177.8 | 228.6 | 25.4 | 58360 | 45370 | 145930 | 68450 | 5930 | 3450 | 2.66 |
| KG075XPO | 7.5 | 9.5 | 1 | 190.5 | 241.3 | 25.4 | 60810 | 46270 | 152020 | 70320 | 6560 | 3740 | 2.81 |
| KG080XPO | 8 | 10 | 1 | 203.2 | 254 | 25.4 | 65650 | 48370 | 164200 | 74010 | 7500 | 4140 | 2.97 |
| KG090XPO | 9 | 11 | 1 | 228.6 | 279.4 | 25.4 | 72990 | 51230 | 182430 | 79430 | 9260 | 4880 | 3.27 |
| KG100XPO | 10 | 12 | 1 | 254 | 304.8 | 25.4 | 80280 | 53990 | 200650 | 84630 | 11210 | 5650 | 3.63 |
| KG110XPO | 11 | 13 | 1 | 279.4 | 330.2 | 25.4 | 87570 | 56620 | 218920 | 89700 | 13340 | 6470 | 3.94 |
| KG120XPO | 12 | 14 | 1 | 304.8 | 355.6 | 25.4 | 94860 | 59180 | 237150 | 94590 | 15660 | 7330 | 4.3 |
| KG140XPO | 14 | 16 | 1 | 355.6 | 406.4 | 25.4 | 109440 | 64020 | 273640 | 104060 | 20850 | 9150 | 4.94 |
| KG160XPO | 16 | 18 | 1 | 406.4 | 457.2 | 25.4 | 124060 | 68560 | 319140 | 113130 | 25780 | 11100 | 5.62 |
| KG180XPO | 18 | 20 | 1 | 457.2 | 508 | 25.4 | 138640 | 72830 | 346830 | 121840 | 33450 | 13180 | 6.26 |
| KG200XPO | 20 | 22 | 1 | 508 | 558.8 | 25.4 | 153220 | 76870 | 363080 | 130240 | 40870 | 15380 | 6.89 |
| KG220XPO | 22 | 24 | 1 | 558.8 | 609.6 | 25.4 | 167850 | 80680 | 419580 | 138370 | 48020 | 17680 | 7.543 |
| KG250XPO | 25 | 27 | 1 | 635 | 685.8 | 25.4 | 185720 | 86050 | 474300 | 150150 | 52650 | 21320 | 8.528 |
| KG300XPO | 30 | 32 | 1 | 762 | 812.8 | 25.4 | 226210 | 94230 | 565430 | 168820 | 68060 | 27830 | 10.206 |
| KG350XPO | 35 | 37 | 1 | 889 | 939.8 | 25.4 | 262710 | 101550 | 656550 | 186560 | 120130 | 34830 | 11.884 |
| KG400XPO | 40 | 42 | 1 | 1016 | 1066.8 | 25.4 | 299200 | 105160 | 748120 | 203450 | 155810 | 42250 | 13.517 |

註：1. 1英寸 (in) = 25.4毫米(mm)

2. 表中靜載Cor為基本額定靜態載荷的額定值，動載Cr為基本額定動態載荷的額定值。

3. 重量僅供參考，實際重量以產品為準。

IBC 超薄型等截面薄壁軸承