

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.



C型深溝球軸承—KA系列 Deep groove ball bearing(C type)-KA series

軸承型號 Bearing Designations	英制尺寸 Inch size (in)			公制尺寸 Metric size (mm)			徑向承載能力 (N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KA020CP0	2	2.5	0.25	50.8	63.5	6.35	3,020	2,490	0.045
KA025CP0	2.5	3	0.25	63.5	76.2	6.35	3,690	2,710	0.054
KA030CP0	3	3.5	0.25	76.2	88.9	6.35	4,400	2,890	0.064
KA035CP0	3.5	4	0.25	88.9	101.6	6.35	5,070	3,070	0.077
KA040CP0	4	4.5	0.25	101.6	114.3	6.35	5,740	3,200	0.086
KA042CP0	4.25	4.75	0.25	107.95	120.65	6.35	6,090	3,250	0.091
KA045CP0	4.5	5	0.25	114.3	127	6.35	6,410	3,340	0.095
KA047CP0	4.75	5.25	0.25	120.65	133.35	6.35	6,760	3,380	0.1
KA050CP0	5	5.5	0.25	127	139.7	6.35	7,070	3,430	0.104
KA055CP0	5.5	6	0.25	139.7	152.4	6.35	7,780	3,560	0.113
KA060CP0	6	6.5	0.25	152.4	165.1	6.35	8,450	3,690	0.127
KA065CP0	6.5	7	0.25	165.1	177.8	6.35	9,120	3,780	0.136
KA070CP0	7	7.5	0.25	177.8	190.5	6.35	9,790	3,870	0.145
KA075CP0	7.5	8	0.25	190.5	203.2	6.35	10,450	3,960	0.154
KA080CP0	8	8.5	0.25	203.2	215.9	6.35	11,120	4,050	0.163
KA090CP0	9	9.5	0.25	228.6	241.3	6.35	12,500	4,180	0.188
KA100CP0	10	10.5	0.25	254	266.7	6.35	13,830	4,400	0.204
KA110CP0	11	11.5	0.25	279.4	292.1	6.35	15,170	4,580	0.227
KA120CP0	12	12.5	0.25	304.8	317.5	6.35	16,550	4,800	0.245

C型深溝球軸承—KB系列 Deep groove ball bearing (C type)-KB series

軸承型號 Bearing Designations	英制尺寸 Inch size (in)			公制尺寸 Metric size (mm)			徑向承載能力 (N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KB020CP0	2	2.625	0.3125	50.8	66.675	7.9375	4,140	3,560	0.068
KB025CP0	2.5	3.125	0.3125	63.5	79.375	7.9375	5,070	3,830	0.086
KB030CP0	3	3.625	0.3125	76.2	92.075	7.9375	5,860	4,090	0.1
KB035CP0	3.5	4.125	0.3125	88.9	104.775	7.9375	6,850	4,310	0.122
KB040CP0	4	4.625	0.3125	101.6	117.475	7.9375	7,780	4,540	0.136
KB042CP0	4.25	4.875	0.3125	107.95	123.825	7.9375	8,140	4,580	0.141
KB045CP0	4.5	5.125	0.3125	114.3	130.175	7.9375	8,670	4,720	0.154
KB047CP0	4.75	5.375	0.3125	120.65	136.525	7.9375	9,030	4,760	0.159
KB050CP0	5	5.625	0.3125	127	142.875	7.9375	9,560	4,890	0.169
KB055CP0	5.5	6.125	0.3125	139.7	155.575	7.9375	10,500	5,030	0.181
KB060CP0	6	6.625	0.3125	152.4	168.275	7.9375	11,390	5,200	0.2
KB065CP0	6.5	7.125	0.3125	165.1	180.975	7.9375	12,280	5,340	0.213
KB070CP0	7	7.625	0.3125	177.8	193.675	7.9375	13,210	5,520	0.227
KB075CP0	7.5	8.125	0.3125	190.5	206.375	7.9375	14,100	5,690	0.245
KB080CP0	8	8.625	0.3125	203.2	219.075	7.9375	14,990	5,690	0.259
KB090CP0	9	9.625	0.3125	228.6	244.475	7.9375	16,810	5,920	0.29
KB100CP0	10	10.625	0.3125	254	269.875	7.9375	18,640	6,230	0.322
KB110CP0	11	11.625	0.3125	279.4	295.275	7.9375	20,420	6,510	0.354
KB120CP0	12	12.625	0.3125	304.8	320.675	7.9375	22,240	6,850	0.386
KB140CP0	14	14.625	0.3125	355.6	371.475	7.9375	25,840	7,470	0.445
KB160CP0	16	16.625	0.3125	406.4	422.275	7.9375	29,450	8,060	0.508
KB180CP0	18	18.625	0.3125	457.2	473.075	7.9375	33,090	8,610	0.572
KB200CP0	20	20.625	0.3125	508	523.875	7.9375	36,700	9,130	0.635

注：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

C型深溝球軸承—KC系列 Deep groove ball bearing (C type)-KC series

軸承型號 Bearing Designations	英制尺寸 Inch size (in)			公制尺寸 Metric size (mm)			徑向承載能力 (N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KC040CP0	4	4.75	0.375	101.6	120.65	9.525	9,340	5,740	0.2
KC042CP0	4.25	5	0.375	107.95	127	9.525	9,880	5,870	0.209
KC045CP0	4.5	5.25	0.375	114.3	133.35	9.525	10,410	6,010	0.222
KC047CP0	4.75	5.5	0.375	120.65	139.7	9.525	10,940	6,090	0.231
KC050CP0	5	5.75	0.375	127	146.05	9.525	11,520	6,180	0.245
KC055CP0	5.5	6.25	0.375	139.7	158.75	9.525	12,590	6,410	0.263
KC060CP0	6	6.75	0.375	152.4	171.45	9.525	13,660	6,630	0.29
KC065CP0	6.5	7.25	0.375	165.1	184.15	9.525	14,720	6,810	0.308
KC070CP0	7	7.75	0.375	177.8	196.85	9.525	15,790	6,960	0.336
KC075CP0	7.5	8.25	0.375	190.5	209.55	9.525	16,860	7,120	0.354
KC080CP0	8	8.75	0.375	203.2	222.25	9.525	17,930	7,340	0.381
KC090CP0	9	9.75	0.375	228.6	247.65	9.525	20,080	7,700	0.445
KC100CP0	10	10.75	0.375	254	273.05	9.525	22,200	7,920	0.472
KC110CP0	11	11.75	0.375	279.4	298.45	9.525	24,330	8,360	0.517
KC120CP0	12	12.75	0.375	304.8	323.85	9.525	26,470	8,760	0.558
KC140CP0	14	14.75	0.375	355.6	374.65	9.525	30,740	9,560	0.649
KC160CP0	16	16.75	0.375	406.4	425.45	9.525	35,050	10,320	0.739
KC180CP0	18	18.75	0.375	457.2	476.25	9.525	39,320	11,020	0.83
KC200CP0	20	20.75	0.375	508	527.05	9.525	43,590	11,680	0.921
KC250CP0	25	25.75	0.375	635	654.05	9.525	54,270	13,180	1.143
KC300CP0	30	30.75	0.375	762	781.05	9.525	64,990	14,500	1.37

C型深溝球軸承—KD系列 Deep groove ball bearing (C type)-KD series

軸承型號 Bearing Designations	英制尺寸 Inch size (in)			公制尺寸 Metric size (mm)			徑向承載能力 (N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KD040CP0	4	5	0.5	101.6	127	12.7	13,700	10,010	0.363
KD042CP0	4.25	5.25	0.5	107.95	133.35	12.7	14,190	10,100	0.381
KD045CP0	4.5	5.5	0.5	114.3	139.7	12.7	15,210	10,450	0.4
KD047CP0	4.75	5.75	0.5	120.65	146.05	12.7	15,700	10,500	0.422
KD055CP0	5	6	0.5	127	152.4	12.7	16,730	10,810	0.445
KD055CP0	5.5	6.5	0.5	139.7	165.1	12.7	18,240	11,170	0.481
KD060CP0	6	7	0.5	152.4	177.8	12.7	19,790	11,480	0.522
KD065CP0	6.5	7.5	0.5	165.1	190.5	12.7	21,310	11,790	0.562
KD070CP0	7	8	0.5	177.8	203.2	12.7	22,820	12,140	0.603
KD075CP0	7.5	8.5	0.5	190.5	215.9	12.7	24,330	12,460	0.644
KD080CP0	8	9	0.5	203.2	228.6	12.7	25,840	12,720	0.689
KD090CP0	9	10	0.5	228.6	254	12.7	28,910	13,210	0.767
KD100CP0	10	11	0.5	254	279.4	12.7	31,940	13,660	0.848
KD110CP0	11	12	0.5	279.4	304.8	12.7	35,010	14,150	0.93
KD120CP0	12	12	0.5	304.8	330.2	12.7	38,030	14,770	1.01
KD140CP0	14	15	0.5	355.6	381	12.7	44,190	15,390	1.17
KD160CP0	16	17	0.5	406.4	431.8	12.7	50,220	16,410	1.33
KD180CP0	18	19	0.5	457.2	482.8	12.7	56,270	17,490	1.49
KD200CP0	20	21	0.5	508	533.4	12.7	62,360	18,520	1.66
KD210CP0	21	22	0.5	533.4	558.8	12.7	69,450	19,560	1.737
KD250CP0	25	26	0.5	635	660.4	12.7	77,580	20,860	2.06
KD300CP0	30	31	0.5	762	787.4	12.7	92,790	22,920	2.468

註：1. 1英寸(in) = 25.4毫米(mm)

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

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



C型深溝球軸承—KF系列 Deep groove ball bearing (C type)-KF series

軸承型號 Bearing Designations	英制尺寸 Inch size(in)			公制尺寸 Metric size(mm)			徑向承載能力(N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KF040CP0	4	5.5	0.75	101.6	139.7	19.05	23,840	17,530	0.875
KF042CP0	4.25	5.75	0.75	107.95	146.05	19.05	25,090	18,100	0.93
KF045CP0	4.5	6	0.75	114.3	152.4	19.05	26,380	18,730	0.975
KF047CP0	4.75	6.25	0.75	120.65	158.75	19.05	27,620	19,170	1.04
KF050CP0	5	6.5	0.75	127	165.1	19.05	28,870	19,480	1.09
KF055CP0	5.5	7	0.75	139.7	177.8	19.05	31,360	20,190	1.18
KF060CP0	6	7.5	0.75	152.4	190.5	19.05	33,900	20,730	1.24
KF065CP0	6.5	8	0.75	165.1	203.2	19.05	36,390	21,310	1.35
KF070CP0	7	8.5	0.75	177.8	215.9	19.05	38,920	21,890	1.45
KF075CP0	7.5	9	0.75	190.5	228.6	19.05	41,410	22,420	1.56
KF080CP0	8	9.5	0.75	203.2	241.3	19.05	43,950	22,860	1.66
KF090CP0	9	10.5	0.75	228.6	266.7	19.05	48,630	23,840	1.81
KF100CP0	10	11.5	0.75	254	292.1	19.05	53,960	24,690	2.02
KF110CP0	11	12.5	0.75	279.4	317.5	19.05	58,980	25,950	2.18
KF120CP0	12	13.5	0.75	304.8	342.9	19.05	64,010	27,160	2.38
KF140CP0	14	15.5	0.75	355.6	393.7	19.05	74,060	29,450	2.72
KF160CP0	16	17.5	0.75	406.4	444.5	19.05	84,070	31,600	3.22
KF180CP0	18	19.5	0.75	457.2	495.3	19.05	94,120	33,620	3.58
KF200CP0	20	21.5	0.75	508	546.1	19.05	104,180	35,520	4.04
KF250CP0	25	26.5	0.75	635	673.1	19.05	129,270	39,870	4.763
KF300CP0	30	31.5	0.75	762	800.1	19.05	154,350	43,720	5.67
KF350CP0	35	36.5	0.75	889	927.1	19.05	179,490	47,160	6.623
KF400CP0	40	41.5	0.75	1016	1054.1	19.05	204,570	50,270	7.53

C型深溝球軸承—KG系列 Deep groove ball bearing (C type)-KG series

軸承型號 Bearing Designations	英制尺寸 Inch size(in)			公制尺寸 Metric size(mm)			徑向承載能力(N) radial loading rate		重量 (千克) Weight (kg)
	內徑	外徑	寬度	內徑	外徑	寬度	靜載Cor	動載Cr	
	d	D	B	d	D	B			
KG040CP0	4	6	1	101.6	152.4	25.4	36,520	29,800	1.64
KG042CP0	4.25	6.25	1	107.95	158.75	25.4	36,520	29,800	1.74
KG045CP0	4.5	6.5	1	114.3	165.1	25.4	36,870	31,140	1.79
KG047CP0	4.75	6.75	1	120.65	171.45	25.4	41,370	32,430	1.89
KG050CP0	5	7	1	127	177.8	25.4	43,810	33,870	2
KG055CP0	5.5	7.5	1	139.7	190.5	25.4	45,250	34,920	2.15
KG060CP0	6	8	1	152.4	203.2	25.4	51,110	37,320	2.3
KG065CP0	6.5	8.5	1	165.1	215.9	25.4	53,560	37,900	2.45
KG070CP0	7	9	1	177.8	228.6	25.4	58,410	39,500	2.66
KG075CP0	7.5	9.5	1	190.5	241.3	25.4	47,300	39,980	2.81
KG080CP0	8	10	1	203.2	254	25.4	65,700	41,370	2.97
KG090CP0	9	11	1	228.6	279.4	25.4	73,040	43,240	3.27
KG100CP0	10	12	1	254	304.8	25.4	80,330	44,660	3.63
KG110CP0	11	13	1	279.4	330.2	25.4	87,630	46,680	3.94
KG120CP0	12	14	1	304.8	355.6	25.4	94,930	47,550	4.3
KG140CP0	14	16	1	355.6	406.4	25.4	109,520	50,180	4.94
KG160CP0	16	18	1	406.4	457.2	25.4	124,150	52,580	5.62
KG180CP0	18	20	1	457.2	508	25.4	138,740	55,010	6.26
KG200CP0	20	22	1	508	558.8	25.4	153,930	58,020	6.89
KG220CP0	22	24	1	558.8	609.6	25.4	168,930	61,020	7.543
KG250CP0	25	27	1	635	685.8	25.4	189,850	64,900	8.528
KG300CP0	30	32	1	762	812.8	25.4	226,370	71,010	10.206
KG350CP0	35	37	1	889	939.8	25.4	262,890	76,490	11.884
KG400CP0	40	42	1	1016	1066.8	25.4	299,410	81,430	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超薄型等載面薄壁軸承