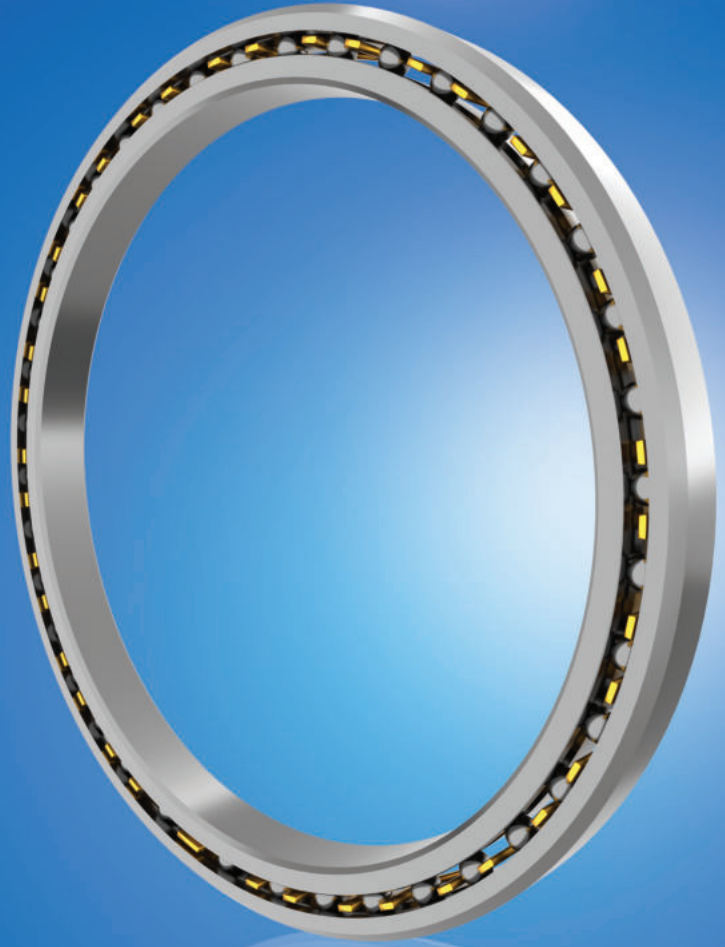


ZON™

BEARINGS FOR YOUR FUTURE



Rolamento Ultra Fino de Esferas



TÜVRheinland®
CERT
Certified ISO 2008
Certified
Management System
according to ISO 9001:2008



BEARINGS FOR YOUR FUTURE

Os rolamentos ZEN são fabricados de acordo com o mais alto padrão de qualidade, para aplicações “standard” e “non-standard”
Nosso departamento técnico pode modificar qualquer rolamento para atender seus requerimentos, independente da quantidade.

Além da nossa extensa linha de rolamentos miniatura, com mais de 1000 tipos diferentes, variando de 1-10mm de diâmetro interno (incluindo medidas em polegadas), nossa linha também inclui: rolamentos axiais de esferas, rolamentos fixos de esferas e qualquer tipo de rolamentos especiais. Nós estamos aptos a desenhar rolamentos de acordo com seus requerimentos usando materiais novos como cerâmica ou aços especiais, para aplicações na indústria química, alimentícia e farmacêutica.

Nosso departamento técnico pode modificar qualquer rolamento especial para atender seus requerimentos específicos, inclusive para quantidades pequenas.

Para qualquer item não listado no nosso catálogo, favor entrar em contato com nossa equipe de vendas



Rolamento Ultra Fino de Esferas



Lubrificação com óleo



Adequado para aplicações de baixo nível de ruído



Sem lubrificação

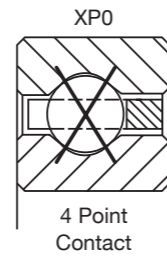
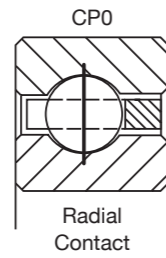
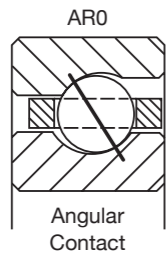


Zen Ball Bearings Shanghai conquistou o certificado alemão ISO TUV Rheinland para inspeção dos produtos ZEN.

Esta certificação representa o mais alto padrão que uma empresa do nosso segmento pode alcançar. É internacionalmente reconhecida como garantia de qualidade, foco no cliente e melhoria contínua.

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Rolamento Ultra Fino de Esferas



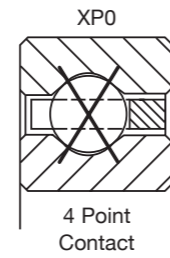
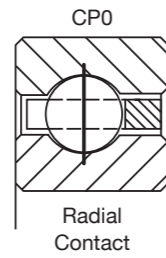
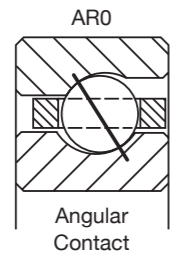
3

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
4.00	101.60	4.75	120.65	0.50	12.70	JU040CP0	L10SG400 2RSD	CSCU040.2RS
4.00	101.60	4.75	120.65	0.50	12.70	JU040XP0	L18SG400 2RSSD	CSXU0402RS
4.25	107.95	5.00	127.00	0.50	12.70	JU042CP0	L10SG404 2RSD	CSCU042.2RS
4.25	107.95	5.00	127.00	0.50	12.70	JU042XP0	L18SG404 2RSD	-
4.50	114.30	5.25	133.35	0.50	12.70	JU045CP0	L10SG408 2RSD	CSCU045.2RS
4.50	114.30	5.25	133.35	0.50	12.70	JU045XP0	L18SG408 2RSD	CSXU0452RS
4.75	120.65	5.50	139.70	0.50	12.70	JU047CP0	L10SG412 2RSD	CSCU047.2RS
4.75	120.65	5.50	139.70	0.50	12.70	JU047XP0	L18SG412 2RSD	CSXU0472RS
5.00	127.00	5.75	146.05	0.50	12.70	JU050CP0	L10SG500 2RSD	CSCU050.2RS
5.00	127.00	5.75	146.05	0.50	12.70	JU050XP0	L18SG500 2RSD	CSXU050.2RS
5.50	139.70	6.25	158.75	0.50	12.70	JU055CP0	L10SG508 2RSD	CSCU055.2RS
5.50	139.70	6.25	158.75	0.50	12.70	JU055XP0	L18SG508 2RSD	CSXU055.2RS
6.00	152.40	6.75	171.45	0.50	12.70	JU060CP0	L10SG600 2RSD	CSCU060.2RS
6.00	152.40	6.75	171.45	0.50	12.70	JU060XP0	L18SG600 2RSD	CSXU060.2RS
6.50	165.10	7.25	184.15	0.50	12.70	JU065CP0	L10SG608 2RSD	CSCU065.2RS
6.50	165.10	7.25	184.15	0.50	12.70	JU065XP0	L18SG608 2RSD	CSXU065.2RS
7.00	177.80	7.75	196.85	0.50	12.70	JU070CP0	L10SG700 2RSD	CSCU070.2RS
7.00	177.80	7.75	196.85	0.50	12.70	JU070XP0	L18SG700 2RSD	-
7.50	190.50	8.25	209.55	0.50	12.70	JU075CP0	L10SG708 2RSD	CSCU075.2RS
7.50	190.50	8.25	209.55	0.50	12.70	JU075XP0	L18SG708 2RSD	CSXU075.2RS
8.00	203.20	8.75	222.25	0.50	12.70	JU080CP0	L10SG800 2RSD	CSCU080.2RS
8.00	203.20	8.75	222.25	0.50	12.70	JU080XP0	L18SG800 2RSD	CSXU080.2RS
9.00	228.60	9.75	247.65	0.50	12.70	JU090CP0	L10SG900 2RSD	CSCU090.2RS
9.00	228.60	9.75	247.65	0.50	12.70	JU090XP0	L18SG900 2RSD	CSXU090.2RS
10.0	254.00	10.75	273.05	0.50	12.70	JU100CP0	L10SG1000 2RSD	CSCU100.2RS

4

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
-	FPCU400-2RS1	7800	8200	2500	0.25 kg
NBX10112DD	FPXU400-2RS1	10400	14400	2500	0.25 kg
-	FPCU404-2RS1	4929	9876	1520	0.27 kg
NBX10712DD	FPXU404-2RS1	6513	9876	590	0.27 kg
-	FPCU408-2RS1	8200	9200	2250	0.28 kg
NBX11412DD	FPXU408-2RS1	10800	16100	2250	0.28 kg
-	FPCU412-2RS1	5230	10940	1360	0.30 kg
NBX12012DD	FPXU412-2RS1	6920	10940	520	0.30 kg
-	FPCU500-2RS1	8500	10200	2030	0.31 kg
NBX12712DD	FPXU500-2RS1	11200	17800	2030	0.31 kg
-	FPCU508-2RS1	8700	11200	1850	0.34 kg
NBX13912DD	FPXU508-2RS1	11600	19600	1850	0.34 kg
-	FPCU600-2RS1	9000	12200	1700	0.37 kg
NBX15212DD	FPXU600-2RS1	12000	21300	1700	0.37 kg
-	FPCU608-2RS1	9300	13200	1570	0.39 kg
NBX16512DD	FPXU608-2RS1	12300	23000	1570	0.39 kg
-	FPCU700-2RS1	9500	14200	1460	0.42 kg
NBX17512DD	FPXU700-2RS1	8580	15790	350	0.43 kg
-	FPCU708-2RS1	9800	15200	1370	0.45 kg
NBX19012DD	FPXU708-2RS1	13000	26500	1370	0.45 kg
-	FPCU800-2RS1	10000	16200	1290	0.48 kg
NBX20312DD	FPXU800-2RS1	13300	28000	1290	0.48 kg
-	FPCU900-2RS1	10400	18200	1150	0.53 kg
NBX22812DD	FPXU900-2RS1	13800	31500	1150	0.53 kg
-	FPCU1000-2RS1	10800	20200	1030	0.59 kg

Rolamento Ultra Fino de Esferas



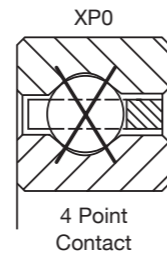
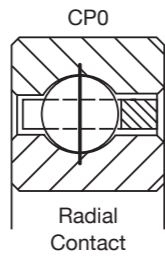
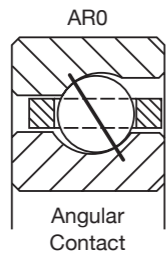
5

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
10.00	254.00	10.75	273.05	0.50	12.70	JU100XP0	L18SG1000 2RSD	CSXU100.2RS
11.00	279.40	11.75	298.45	0.50	12.70	JU110CP0	L10SG1100 2RSD	CSCU110.2RS
11.00	279.40	11.75	298.45	0.50	12.70	JU110XP0	L18SG1100 2RSD	CSXU110.2RS
12.00	304.80	12.75	323.85	0.50	12.70	JU120CP0	L10SG1200 2RSD	-
12.00	304.80	12.75	323.85	0.50	12.70	JU120XP0	L18SG1200 2RSD	-
2.00	50.80	2.50	63.50	0.25	6.35	KA020AR0	L15QA200	CSEA020
2.00	50.80	2.50	63.50	0.25	6.35	KA020CP0	L10QA200	CSCA020
2.00	50.80	2.50	63.50	0.25	6.35	KA020XP0	L18QA200	CSXA020
2.50	63.50	3.00	76.20	0.25	6.35	KA025AR0	L15QA208	CSEA025
2.50	63.50	3.00	76.20	0.25	6.35	KA025CP0	L10QA208	CSCA025
2.50	63.50	3.00	76.20	0.25	6.35	KA025XP0	L18QA208	CSXA025
3.00	76.20	3.50	88.90	0.25	6.35	KA030AR0	L15QA300	CSEA030
3.00	76.20	3.50	88.90	0.25	6.35	KA030CP0	L10QA300	CSCA030
3.00	76.20	3.50	88.90	0.25	6.35	KA030XP0	L18QA300	CSXA030
3.50	88.90	4.00	101.60	0.25	6.35	KA035AR0	L15QA308	CSEA035
3.50	88.90	4.00	101.60	0.25	6.35	KA035CP0	L10QA308	CSCA035
3.50	88.90	4.00	101.60	0.25	6.35	KA035XP0	L18QA308	CSXA035
4.00	101.60	4.50	114.30	0.25	6.35	KA040AR0	L15QA400	CSEA040
4.00	101.60	4.50	114.30	0.25	6.35	KA040CP0	L10QA400	CSCA040
4.00	101.60	4.50	114.30	0.25	6.35	KA040XP0	L18QA400	CSXA040
4.25	107.95	4.75	120.65	0.25	6.35	KA042AR0	L15QA404	CSEA042
4.25	107.95	4.75	120.65	0.25	6.35	KA042CP0	L10QA404	CSCA042
4.25	107.95	4.75	120.65	0.25	6.35	KA042XP0	L18QA404	CSXA042
4.50	114.30	5.00	127.00	0.25	6.35	KA045AR0	L15QA408	CSEA045
4.50	114.30	5.00	127.00	0.25	6.35	KA045CP0	L10QA408	CSCA045

6

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBX25412DD	FPXU1000-2RS1	14300	35000	1030	0.59 kg
-	FPCU1100-2RS1	11200	22200	940	0.65 kg
NBX27912DD	FPXU1100-2RS1	14800	38500	940	0.65 kg
-	FPCU1200-2RS1	8780	26460	540	0.71 kg
NBX30412DD	FPXU1200-2RS1	11660	26460	160	0.71 kg
NBA5006	FPAA200	3300	3100	10500	0.05 kg
NBC5006	FPCA200	3300	2650	10400	0.05 kg
NBX5006	FPXA200	4400	4600	6900	0.05 kg
NBA6306	FPAA208	3550	3800	8500	0.06 kg
NBC6306	FPCA208	3600	3250	8500	0.06 kg
NBX6306	FPXA208	4750	5700	5600	0.06 kg
NBA7606	FPAA300	3750	4550	7200	0.07 kg
NBC7606	FPCA300	3800	3900	7100	0.07 kg
NBX7606	FPXA300	5100	6800	4550	0.07 kg
NBA8806	FPAA308	4000	5300	6200	0.08 kg
NBC8806	FPCA308	4000	4550	6200	0.08 kg
NBX8806	FPXA308	5300	7900	3850	0.08 kg
NBA10106	FPAA400	4150	6000	5400	0.09 kg
NBC10106	FPCA400	4200	5200	5400	0.09 kg
NBX10106	FPXA400	5600	9000	3300	0.09 kg
NBA10706	FPAA404	3430	7030	4440	0.20 kg
NBC10706	FPCA404	4300	5500	5100	0.09 kg
NBX10706	FPXA404	3430	7030	4440	0.20 kg
NBA11406	FPAA408	4350	6700	4850	0.10 kg
NBC11406	FPCA408	4400	5800	4800	0.10 kg

Rolamento Ultra Fino de Esferas



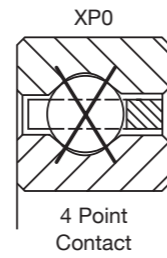
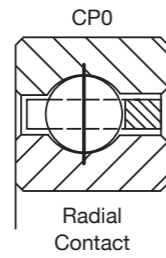
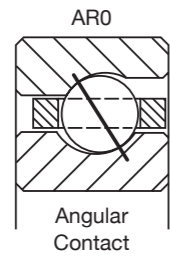
7

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
4.50	114.30	5.00	127.00	0.25	6.35	KA045XP0	L18QA408	CSXA045
4.75	120.65	5.25	133.35	0.25	6.35	KA047AR0	L15QA4012	CSEA047
4.75	120.65	5.25	133.35	0.25	6.35	KA047CP0	L10QA412	CSCA047
4.75	120.65	5.25	133.35	0.25	6.35	KA047XP0	L18QA4012	CSXA047
5.00	127.00	5.50	139.70	0.25	6.35	KA050AR0	L15QA500	CSEA050
5.00	127.00	5.50	139.70	0.25	6.35	KA050CP0	L10QA500	CSCA050
5.00	127.00	5.50	139.70	0.25	6.35	KA050XP0	L18QA500	CSXA050
5.50	139.70	6.00	152.40	0.25	6.35	KA055AR0	L15QA508	CSEA055
5.50	139.70	6.00	152.40	0.25	6.35	KA055CP0	L10QA508	CSCA055
5.50	139.70	6.00	152.40	0.25	6.35	KA055XP0	L18QA508	CSXA055
6.00	152.40	6.50	165.10	0.25	6.35	KA060AR0	L15QA600	CSEA060
6.00	152.40	6.50	165.10	0.25	6.35	KA060CP0	L10QA600	CSCA060
6.00	152.40	6.50	165.10	0.25	6.35	KA060XP0	L18QA600	CSXA060
6.50	165.10	7.00	177.80	0.25	6.35	KA065AR0	L15QA608	CSEA065
6.50	165.10	7.00	177.80	0.25	6.35	KA065CP0	L10QA608	CSCA065
6.50	165.10	7.00	177.80	0.25	6.35	KA065XP0	L18QA608	CSXA065
7.00	177.80	7.50	190.50	0.25	6.35	KA070AR0	L15QA700	CSEA070
7.00	177.80	7.50	190.50	0.25	6.35	KA070CP0	L10QA700	CSCA070
7.00	177.80	7.50	190.50	0.25	6.35	KA070XP0	L18QA700	CSXA070
7.50	190.50	8.00	203.20	0.25	6.35	KA075AR0	L15QA708	CSEA075
7.50	190.50	8.00	203.20	0.25	6.35	KA075CP0	L10QA708	CSCA075
7.50	190.50	8.00	203.20	0.25	6.35	KA075XP0	L18QA708	CSXA075
8.00	203.20	8.50	215.90	0.25	6.35	KA080AR0	L15QA800	CSEA080
8.00	203.20	8.50	215.90	0.25	6.35	KA080CP0	L10QA800	CSCA080
8.00	203.20	8.50	215.90	0.25	6.35	KA080XP0	L18QA800	CSXA080

8

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBX11406	FPXA408	5800	10100	2900	0.10 kg
NBA12006	FPAA412	4450	7100	4600	0.10 kg
NBC12006	FPCA412	4500	6100	4550	0.10 kg
NBX12006	FPXA412	6000	10600	2700	0.10 kg
NBA12706	FPAA500	4500	7500	4350	0.11 kg
NBC12706	FPCA500	4550	6400	4350	0.11 kg
NBX12706	FPXA500	6100	11200	2550	0.11 kg
NBA13906	FPAA508	4650	8200	3950	0.11 kg
NBC13906	FPCA508	4700	7100	3950	0.11 kg
NBX13906	FPXA508	6300	12300	2290	0.11 kg
NBA15206	FPAA600	4800	8900	3650	0.13 kg
NBC 15206	FPCA600	4850	7700	3600	0.13 kg
NBX15206	FPXA600	6500	13400	2070	0.13 kg
NBA16506	FPAA608	4950	9600	3350	0.14 kg
NBC 16506	FPCA608	5000	8300	3350	0.14 kg
NBX16506	FPXA608	6600	14500	1880	0.14 kg
NBA17706	FPAA700	5100	10400	3100	0.15 kg
NBC 17706	FPCA700	5100	9000	3100	0.14 kg
NBX17706	FPXA700	6800	15600	1720	0.15 kg
-	FPAA708	5200	11100	2900	0.16 kg
-	FPCA708	5300	9600	2900	0.15 kg
-	FPXA708	7000	16700	1590	0.16 kg
-	FPAA800	4270	12860	2420	0.17 kg
-	FPCA800	5400	10200	2700	0.17 kg
-	FPXA800	8400	27840	1450	0.17 kg

Rolamento Ultra Fino de Esferas



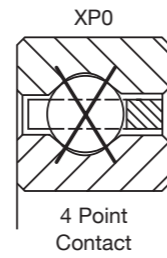
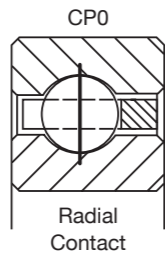
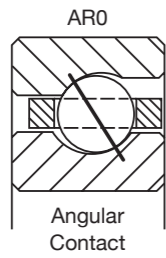
9

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
9.00	228.60	9.50	241.30	0.25	6.35	KA090AR0	L15QA900	CSEA090
9.00	228.60	9.50	241.30	0.25	6.35	KA090CP0	L10QA900	CSCA090
9.00	228.60	9.50	241.30	0.25	6.35	KA090XP0	L18QA900	CSXA090
10.00	254.00	10.50	266.70	0.25	6.35	KA100AR0	L15QA1000	CSEA100
10.00	254.00	10.50	266.70	0.25	6.35	KA100CP0	L10QA1000	CSCA100
10.00	254.00	10.50	266.70	0.25	6.35	KA100XP0	L18QA1000	CSXA100
11.00	279.40	11.50	292.10	0.25	6.35	KA110AR0	L15QA1000	CSEA110
11.00	279.40	11.50	292.10	0.25	6.35	KA110CP0	L10QA1100	CSCA110
11.00	279.40	11.50	292.10	0.25	6.35	KA110XP0	L18QA1000	CSXA110
12.00	304.80	12.50	317.50	0.25	6.35	KA120AR0	L15QA1200	CSEA120
12.00	304.80	12.50	317.50	0.25	6.35	KA120CP0	L10QA1200	CSCA120
12.00	304.80	12.50	317.50	0.25	6.35	KA120XP0	L18QA1200	CSXA120
16.00	406.40	16.625	422.275	0.3125	7.9375	KA160AR0	-	-
16.00	406.40	16.625	422.275	0.3125	7.9375	KA160CP0	-	-
16.00	406.40	16.625	422.275	0.3125	7.9375	KA160XP0	-	-
18.00	457.20	18.625	473.075	0.3125	7.9375	KA180AR0	-	-
18.00	457.20	18.625	473.075	0.3125	7.9375	KA180CP0	-	-
18.00	457.20	18.625	473.075	0.3125	7.9375	KA180XP0	-	-
20.00	508.00	20.625	523.875	0.3125	7.9375	KA200AR0	-	-
20.00	508.00	20.625	523.875	0.3125	7.9375	KA200CP0	-	-
20.00	508.00	20.625	523.875	0.3125	7.9375	KA200XP0	-	-
2.00	50.80	2.625	66.675	0.3125	7.9375	KB020AR0	L15RA200	CSEB020
2.00	50.80	2.625	66.675	0.3125	7.9375	KB020CP0	L10RA200	CSCB020
2.00	50.80	2.625	66.675	0.3125	7.9375	KB020XP0	L18RA200	CSXB020
2.50	63.50	3.125	79.375	0.3125	7.9375	KB025AR0	L15RA208	CSEB025

10

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
-	FPAA900	4400	14410	2160	0.20 kg
-	FPCA900	5600	11500	2390	0.20 kg
-	FPXA900	9000	31200	1300	0.20 kg
-	FPAA1000	4580	15970	1950	0.22 kg
-	FPCA1000	5800	12800	2150	0.23 kg
-	FPXA1000	9600	34600	1200	0.23 kg
-	FPAA1100	4770	17530	1780	0.24 kg
-	FPCA1100	4500	15160	1780	0.24 kg
-	FPXA1100	10300	37900	1100	0.24 kg
-	FPAA1200	5020	19080	1630	0.25 kg
-	FPCA1200	6200	15300	1780	0.25 kg
NBX30412	FPXA1200	10800	41300	980	0.26 kg
-	FPAA1600	8480	34300	1230	0.55 kg
-	FPCA1600	8480	34300	1230	0.55 kg
-	FPXA1600	18230	73700	750	0.55 kg
-	FPAA1800	9070	38520	1090	0.61 kg
-	FPCA1800	9070	38520	1090	0.61 kg
-	FPXA1800	19500	82000	650	0.61 kg
-	FPAA2000	9620	42750	980	0.68 kg
-	FPCA2000	9620	42750	980	0.68 kg
-	FPXA2000	20600	91900	570	0.68 kg
NBA5007	FPAB200	4750	4200	10000	0.07 kg
NBC5007	FPCB200	4750	3550	9900	0.07 kg
NBX5007	FPXB200	6300	6200	6700	0.07 kg
NBA6307	FPAB208	5200	5200	8200	0.09 kg

Rolamento Ultra Fino de Esferas



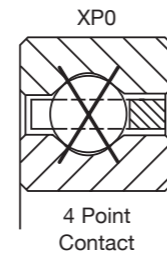
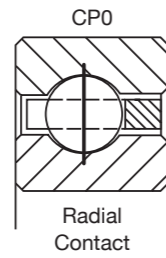
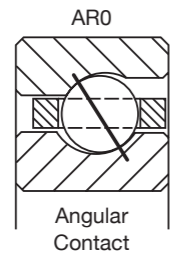
11

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
2.50	63.50	3.125	79.375	0.3125	7.9375	KB025CP0	L10RA208	CACB025
2.50	63.50	3.125	79.375	0.3125	7.9375	KB025XP0	L18RA208	CSXB025
3.00	76.20	3.625	92.075	0.3125	7.9375	KB030AR0	L15RA300	CSEB030
3.00	76.20	3.625	92.075	0.3125	7.9375	KB030CP0	L10RA300	CACB030
3.00	76.20	3.625	92.075	0.3125	7.9375	KB030XP0	L18RA300	CSXB030
3.50	88.90	4.125	104.775	0.3425	7.9375	KB035AR0	L15RA308	CSEB035
3.50	88.90	4.125	104.775	0.3125	7.9375	KB035CP0	L10RA308	CACB035
3.50	88.90	4.125	104.775	0.3125	7.9375	KB035XP0	L18RA308	CSXB035
4.00	101.60	4.625	117.475	0.3125	7.9375	KB040AR0	L15RA400	CSEB040
4.00	101.60	4.625	117.475	0.3125	7.9375	KB040CP0	L10RA400	CACB040
4.00	101.60	4.625	117.475	0.3125	7.9375	KB040XP0	L18RA400	CSXB040
4.25	107.95	4.875	123.825	0.3125	7.9375	KB042AR0	L15RA404	CSEB042
4.25	107.95	4.875	123.825	0.3125	7.9375	KB042CP0	L10RA404	CACB042
4.25	107.95	4.875	123.825	0.3125	7.9375	KB042XP0	L18RA404	CSXB042
4.50	114.30	5.125	130.175	0.3125	7.9375	KB045AR0	L15RA408	CSEB045
4.50	114.30	5.125	130.175	0.3125	7.9375	KB045CP0	L10RA408	CACB045
4.50	114.30	5.125	130.175	0.3125	7.9375	KB045XP0	L18RA408	CSXB045
4.75	120.65	5.375	136.525	0.3125	7.9375	KB047AR0	L15RA412	CSEB047
4.75	120.65	5.375	136.525	0.3125	7.9375	KB047CP0	L10RA412	CACB047
4.75	120.65	5.375	136.525	0.3125	7.9375	KB047XP0	L18RA412	CSXB047
5.00	127.00	5.625	142.875	0.3125	7.9375	KB050AR0	L15RA500	CSEB050
5.00	127.00	5.625	142.875	0.3125	7.9375	KB050CP0	L10RA500	CACB050
5.00	127.00	5.625	142.875	0.3125	7.9375	KB050XP0	L18RA500	CSXB050
5.50	139.70	6.125	155.575	0.3125	7.9375	KB055AR0	L15RA508	CSEB055
5.50	139.70	6.125	155.575	0.3125	7.9375	KB055CP0	L10RA508	CACB055

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBC6307	FPCB208	2800	5070	8200	0.10 kg
NBX6307	FPXB208	6800	7700	5400	0.09 kg
NBA7607	FPAB300	5400	6100	7000	0.11 kg
NBC7607	FPCB300	3100	5900	7000	0.11 kg
NBX7607	FPXB300	7300	9100	4400	0.11 kg
NBA8807	FPAB308	5800	7100	6000	0.12 kg
NBC8807	FPCB308	3400	6800	6000	0.13 kg
NBX8807	FPXB308	7700	10600	3750	0.12 kg
NBA10107	FPAB400	6000	8100	5300	0.13 kg
NBC10107	FPCB400	3600	7700	5300	0.14 kg
NBX10107	FPXB400	8100	12100	3200	0.13 kg
NBA10707	FPAB404	6200	8600	5000	0.14 kg
NBC10707	FPCB404	3760	8140	5000	0.15 kg
NBX10707	FPXB404	8200	12600	3000	0.14 kg
NBA10407	FPAB408	6300	9000	4750	0.15 kg
NBC11407	FPCB408	3900	8670	4750	0.15 kg
NBX10407	FPXB408	8400	13500	2800	0.15 kg
NBA12007	FPAB412	5070	10630	3950	0.16 kg
NBC12007	FPCB412	4000	9020	3950	0.16 kg
NBX12007	FPXB412	5300	9020	2300	0.16 kg
NBA12707	FPAB500	5160	11120	3760	0.18 kg
NBC12707	FPCB500	4150	9560	3760	0.18 kg
NBX12707	FPXB500	5490	9560	2200	0.18 kg
NBA13907	FPAB508	6700	11100	3900	0.19 kg
NBC13907	FPCB508	4370	10400	3900	0.19 kg

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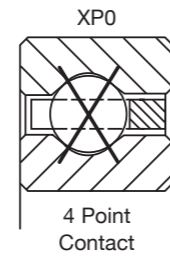
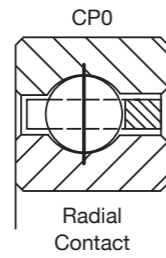
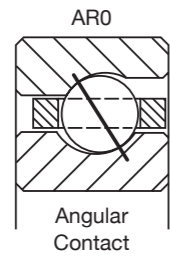
13

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
5.50	139.70	6.125	155.575	0.3125	7.9375	KB055XP0	L18RA508	CSXB055
6.00	152.40	6.625	168.275	0.3125	7.9375	KB060AR0	L15RA600	CSEB060
6.00	152.40	6.625	168.275	0.3125	7.9375	KB060CP0	L10RA600	CACB060
6.00	152.40	6.625	168.275	0.3125	7.9375	KB060XP0	L18RA600	CSXB060
6.50	165.10	7.125	180.975	0.3125	7.9375	KB065AR0	L15RA608	CSEB065
6.50	165.10	7.125	180.975	0.3125	7.9375	KB065CP0	L10RA608	CACB065
6.50	165.10	7.125	180.975	0.3125	7.9375	KB065XP0	L18RA608	CSXB065
7.00	177.80	7.625	193.675	0.3125	7.9375	KB070AR0	L15RA700	-
7.00	177.80	7.625	193.675	0.3125	7.9375	KB070CP0	L10RA700	-
7.00	177.80	7.625	193.675	0.3125	7.9375	KB070XP0	L18RA700	-
7.50	190.50	8.125	206.375	0.3125	7.9375	KB075CP0	L10RA708	-
8.00	203.20	8.625	219.075	0.3125	7.9375	KB080AR0	L15RA800	CSEB080
8.00	203.20	8.625	219.075	0.3125	7.9375	KB080CP0	L10RA800	CACB080
8.00	203.20	8.625	219.075	0.3125	7.9375	KB080XP0	L18RA800	CSXB080
9.00	228.60	9.625	244.475	0.3125	7.9375	KB090AR0	L15RA900	CSEB090
9.00	228.60	9.625	244.475	0.3125	7.9375	KB090CP0	L10RA900	CACB090
9.00	228.60	9.625	244.475	0.3125	7.9375	KB090XP0	L18RA900	CSXB090
10.00	254.00	10.625	269.875	0.3125	7.9375	KB100AR0	-	-
10.00	254.00	10.625	269.875	0.3125	7.9375	KB100CP0	-	-
10.00	254.00	10.625	269.875	0.3125	7.9375	KB100XP0	-	-
11.00	279.40	11.625	295.275	0.3125	7.9375	KB110AR0	-	-
11.00	279.40	11.625	295.275	0.3125	7.9375	KB110CP0	-	-
11.00	279.40	11.625	295.275	0.3125	7.9375	KB110XP0	-	-
12.00	304.80	12.625	320.675	0.3125	7.9375	KB120AR0	-	-
12.00	304.80	12.625	320.675	0.3125	7.9375	KB120CP0	-	-

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBX13907	FPXB508	9000	16400	2240	0.19 kg
NBA15207	FPAB600	7000	12100	3550	0.20 kg
NBC 15207	FPCB600	4500	11300	3550	0.20 kg
NBX15207	FPXB600	9300	17900	2030	0.20 kg
NBA16507	FPAB608	7100	13000	3300	0.21 kg
NBC 16507	FPCB608	4800	12200	3300	0.22 kg
NBX16507	FPXB608	9600	19400	1850	0.21 kg
NBA17707	FPAB700	5780	15350	2740	0.23 kg
NBC 17707	FPCB700	5000	13200	2740	0.23 kg
NBX17707	FPXB700	6600	13200	1640	0.23 kg
-	FPCB708	5200	14100	1540	0.24 kg
-	FPAB800	6050	17530	2410	0.26 kg
-	FPCB800	5400	14900	2410	0.26 kg
NBX20307	FPXB800	10300	23700	1450	0.26 kg
-	FPAB900	6270	19570	2150	0.30 kg
-	FPCB900	5800	16800	2150	0.30 kg
-	FPXB900	7700	16800	1290	0.30 kg
-	FPAB1000	6580	21750	1940	0.33 kg
-	FPCB1000	6100	18600	1940	0.34 kg
-	FPXB1000	8180	18600	1160	0.34 kg
-	FPAB1100	6850	23800	1770	0.34 kg
-	FPCB1100	6510	20400	1770	0.35 kg
-	FPXB1100	8650	20400	1060	0.35 kg
-	FPAB1200	7220	25980	1620	0.38 kg
-	FPCB1200	6840	22240	1620	0.38 kg

Rolamento Ultra Fino de Esferas



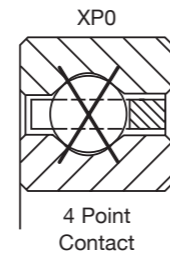
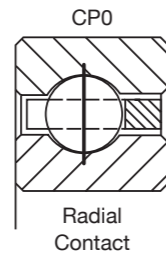
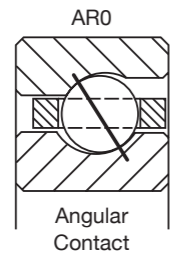
15

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
12.00	304.80	12.625	320.675	0.3125	7.9375	KB120XP0	-	-
14.00	355.60	14.62	371.348	0.3125	7.9375	KB140AR0	-	-
14.00	355.60	14.62	371.348	0.3125	7.9375	KB140CP0	-	-
14.00	355.60	14.62	371.348	0.3125	7.9375	KB140XP0	-	-
16.00	406.40	16.75	425.45	0.375	9.525	KB160AR0	-	-
16.00	406.40	16.75	425.45	0.375	9.525	KB160XP0	-	CSXB160
18.00	457.20	18.75	476.25	0.375	9.525	KB180AR0	-	-
18.00	457.20	18.75	476.25	0.375	9.525	KB180CP0	-	-
18.00	457.20	18.75	476.25	0.375	9.525	KB180XP0	-	-
20.00	508.00	20.75	527.05	0.375	9.525	KB200AR0	-	-
20.00	508.00	20.75	527.05	0.375	9.525	KB200CP0	-	-
20.00	508.00	20.75	527.05	0.375	9.525	KB200XP0	-	-
4.00	101.60	4.75	120.65	0.375	9.525	KC040AR0	L15SA400	CSEC040
4.00	101.60	4.75	120.65	0.375	9.525	KC040CP0	L10SA400	CACC040
4.00	101.60	4.75	120.65	0.375	9.525	KC040XP0	L18SA400	CSXC040
4.25	107.95	5.00	127.00	0.375	9.525	KC042AR0	L15SA404	CSEC042
4.25	107.95	5.00	127.00	0.375	9.525	KC042CP0	L10SA404	CACC042
4.25	107.95	5.00	127.00	0.375	9.525	KC042XP0	L18SA404	CSXC042
4.50	114.30	5.25	133.35	0.375	9.525	KC045AR0	L15SA408	CSEC045
4.50	114.30	5.25	133.35	0.375	9.525	KC045CP0	L10SA408	CACC045
4.50	114.30	5.25	133.35	0.375	9.525	KC045XP0	L18SA408	CSXC045
4.75	120.65	5.50	139.70	0.375	9.525	KC047AR0	L15SA412	CSEC047
4.75	120.65	5.50	139.70	0.375	9.525	KC047CP0	L10SA412	CACC047
4.75	120.65	5.50	139.70	0.375	9.525	KC047XP0	L18SA412	CSXC047
5.00	127.00	5.75	146.05	0.375	9.525	KC050AR0	L15SA500	CSEC050

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
-	FPXB1200	9090	22240	970	0.38 kg
-	FPAB1400	10440	37770	1390	0.69 kg
-	FPCB1400	7470	25800	1390	0.48 kg
-	FPXB1400	9930	25800	840	0.48 kg
-	FPAB1600	11270	43060	1220	0.79 kg
-	FPXB1600	10700	29400	740	0.55 kg
-	FPAB1800	12040	48400	1090	0.88 kg
-	FPCB1800	8600	33000	1090	0.62 kg
-	FPXB1800	11400	33000	660	0.62 kg
-	FPAB2000	12740	53510	980	0.98 kg
-	FPCB2000	9130	36600	980	0.69 kg
-	FPXB2000	12140	36600	590	0.69 kg
NBA10109	FPAC400	8000	10100	5200	0.20 kg
NBC10109	FPCC400	4770	9340	5200	0.21 kg
NBX10109	FPXC400	10400	14400	3150	0.20 kg
NBA10709	FPAC404	6410	12050	4320	0.22 kg
NBC10709	FPCC404	4920	9870	4320	0.21 kg
NBX10709	FPXC404	6500	9870	2590	0.21 kg
NBA10409	FPAC408	8400	11400	4650	0.22 kg
NBC11409	FPCC408	5000	10400	4650	0.22 kg
NBX10409	FPXC408	10800	16100	2750	0.22 kg
NBA12009	FPAC412	8600	12000	4400	0.23 kg
NBC12009	FPCC412	5200	10900	4400	0.23 kg
NBX12009	FPXC412	6900	10900	2340	0.23 kg
NBA12709	FPAC500	8700	12600	4200	0.26 kg

Rolamento Ultra Fino de Esferas



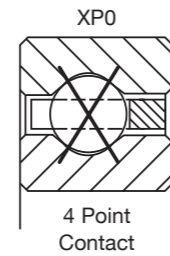
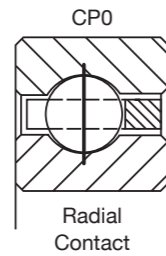
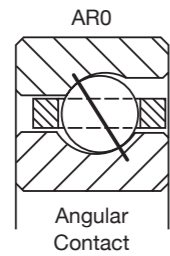
17

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
5.00	127.00	5.75	146.05	0.375	9.525	KC050CP0	L10SA500	CACC050
5.00	127.00	5.75	146.05	0.375	9.525	KC050XP0	L18SA500	CSXC050
5.50	139.70	6.25	158.75	0.375	9.525	KC055AR0	L15SA508	CSEC055
5.50	139.70	6.25	158.75	0.375	9.525	KC055CP0	L10SA508	CACC055
5.50	139.70	6.25	158.75	0.375	9.525	KC055XP0	L18SA508	CSXC055
6.00	152.40	6.75	171.45	0.375	9.525	KC060AR0	L15SA600	CSEC060
6.00	152.40	6.75	171.45	0.375	9.525	KC060CP0	L10SA600	CACC060
6.00	152.40	6.75	171.45	0.375	9.525	KC060XP0	L18SA600	CSXC060
6.50	165.10	7.25	184.15	0.375	9.525	KC065AR0	L15SA608	CSEC065
6.50	165.10	7.25	184.15	0.375	9.525	KC065CP0	L10SA608	CACC065
6.50	165.10	7.25	184.15	0.375	9.525	KC065XP0	L18SA608	CSXC065
7.00	177.80	7.75	196.85	0.375	9.525	KC070AR0	L15SA700	CSEC070
7.00	177.80	7.75	196.85	0.375	9.525	KC070CP0	L10SA700	CACC070
7.00	177.80	7.75	196.85	0.375	9.525	KC070XP0	L18SA700	CSXC070
7.50	190.50	8.25	209.55	0.375	9.525	KC075AR0	L15SA700	CSEC075
7.50	190.50	8.25	209.55	0.375	9.525	KC075CP0	L10SA708	CACC075
7.50	190.50	8.25	209.55	0.375	9.525	KC075XP0	L18SA700	CSXC075
8.00	203.20	8.75	222.25	0.375	9.525	KC080AR0	L15SA800	CSEC080
8.00	203.20	8.75	222.25	0.375	9.525	KC080CP0	L10SA800	CACC080
8.00	203.20	8.75	222.25	0.375	9.525	KC080XP0	L18S800	CSXC080
9.00	228.60	9.75	247.65	0.375	9.525	KC090AR0	L15SA900	CSEC090
9.00	228.60	9.75	247.65	0.375	9.525	KC090CP0	L10SA900	CACC090
9.00	228.60	9.75	247.65	0.375	9.525	KC090XP0	L18SA900	CSXC090
10.00	254.00	10.75	273.05	0.375	9.525	KC100AR0	L15SA1000	CSEC100
10.00	254.00	10.75	273.05	0.375	9.525	KC100CP0	L10SA1000	CACC100

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBC12709	FPCC500	5370	11520	4200	0.27 kg
NBX12709	FPXC500	11200	17800	2450	0.26 kg
NBA13909	FPAC508	9000	13700	3850	0.27 kg
NBC13909	FPCC508	5660	12580	3850	0.27 kg
NBX13909	FPXC508	11600	19600	2200	0.27 kg
NBA15209	FPAC600	9300	15000	3500	0.29 kg
NBC15209	FPCC600	5940	13650	3500	0.29 kg
NBX15209	FPXC600	12000	21300	1990	0.29 kg
NBA16509	FPAC608	7430	18060	2910	0.31 kg
NBC16509	FPCC608	6200	14720	2910	0.31 kg
NBX16509	FPXC608	12400	23000	1840	0.31 kg
NBA17709	FPAC700	9800	17400	3000	0.34 kg
NBC17709	FPCC700	6480	15700	3000	0.34 kg
NBX17709	FPXC700	12600	24700	1660	0.33 kg
-	FPAC708	7780	20600	2540	0.36 kg
-	FPCC708	6730	16800	2540	0.36 kg
NBX19	FPXC708	8920	16800	1520	0.36 kg
-	FPAC800	8010	22020	2390	0.39 kg
-	FPCC800	6900	17920	2390	0.39 kg
-	FPXC800	13300	28000	1430	0.38 kg
-	FPAC900	8270	24550	2130	0.43 kg
-	FPCC900	7460	20060	2130	0.43 kg
NBX22	FPXC900	13800	31500	1240	0.43 kg
-	FPAC1000	8640	27310	1930	0.49 kg
-	FPCC1000	7920	22190	1930	0.49 kg

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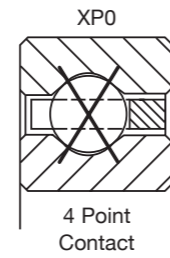
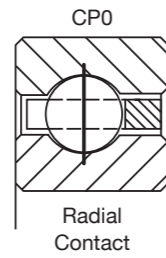
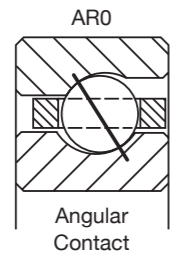
19

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
10.00	254.00	10.75	273.05	0.375	9.525	KC100XP0	L18SA1000	CSXC100
11.00	279.40	11.75	298.45	0.375	9.525	KC110AR0	L15SA1100	CSEC110
11.00	279.40	11.75	298.45	0.375	9.525	KC110CP0	L10SA1100	CACC110
11.00	279.40	11.75	298.45	0.375	9.525	KC110XP0	L18SA1100	CSXC110
12.00	304.80	12.75	323.85	0.375	9.525	KC120AR0	L15SA1200	CSEC120
12.00	304.80	12.75	323.85	0.375	9.525	KC120CP0	L10SA1200	CACC120
12.00	304.80	12.75	323.85	0.375	9.525	KC120XP0	L18SA1200	CSXC120
14.00	355.60	14.75	374.65	0.375	9.525	KC140AR0	-	-
14.00	355.60	14.75	374.65	0.375	9.525	KC140CP0	-	-
14.00	355.60	14.75	374.65	0.375	9.525	KC140XP0	-	-
16.00	406.40	17.00	431.80	0.50	12.70	KC160AR0	-	-
16.00	406.40	16.75	425.45	0.375	9.525	KC160CP0	-	-
16.00	406.40	17.00	431.80	0.50	12.70	KC160XP0	-	CSXC160
18.00	457.20	19.00	482.60	0.50	12.70	KC180AR0	-	-
18.00	457.20	19.00	482.60	0.50	12.70	KC180CP0	-	-
18.00	457.20	19.00	482.60	0.50	12.70	KC180XP0	-	-
20.00	508.00	21.00	533.40	0.50	12.70	KC200AR0	-	-
20.00	508.00	21.00	533.40	0.50	12.70	KC200CP0	-	-
20.00	508.00	21.00	533.40	0.50	12.70	KC200XP0	-	-
4.00	101.60	5.00	127.00	0.50	12.70	KD040AR0	L15TA400	CSED040
4.00	101.60	5.00	127.00	0.50	12.70	KD040CP0	L10TA400	CSCD040
4.00	101.60	5.00	127.00	0.50	12.70	KD040XP0	L18TA400	CSXD040
4.25	107.95	5.25	133.35	0.50	12.70	KD042AR0	L15TA404	CSED042
4.25	107.95	5.25	133.35	0.50	12.70	KD042CP0	L10TA404	CSCD042
4.25	107.95	5.25	133.35	0.50	12.70	KD042XP0	L18TA404	CSXD042

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
-	FPXC1000	14300	35000	1100	0.48 kg
-	FPAC1100	9110	29890	1760	0.53 kg
-	FPCC1100	8350	24300	1760	0.53 kg
NBX27909	FPXC1100	14800	38500	980	0.53 kg
-	FPAC1200	9550	32430	1620	0.57 kg
-	FPCC1200	8780	26400	1620	0.57 kg
-	FPXC1200	15400	42000	920	0.57 kg
-	FPAC1400	15930	50930	1380	1.24 kg
-	FPCC1400	9580	30700	1380	0.69 kg
-	FPXC1400	12700	30700	800	0.69 kg
-	FPAC1600	17150	57960	1210	1.41 kg
-	FPCB1600	10320	35000	1210	0.79 kg
-	FPXC1600	13720	35000	700	0.79 kg
-	FPAC1800	18300	64990	1080	1.58 kg
-	FPCC1800	11020	39300	1080	0.88 kg
-	FPXC1800	14650	39300	650	0.88 kg
-	FPAC2000	19380	72020	980	1.75 kg
-	FPCC2000	11680	43590	980	0.98 kg
-	FPXC2000	15500	43590	570	0.98 kg
NBA10112	FPAD400	12300	13900	4950	0.35 kg
NBC10112	FPCD400	12400	11900	4900	0.35 kg
NBX10112	FPXD400	16500	20800	3000	0.35 kg
NBA10712	FPAD404	10720	16680	4210	0.38 kg
NBC10712	FPCD404	7900	14100	4210	0.38 kg
NBX10712	FPXD404	10470	14100	2530	0.38 kg

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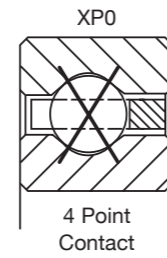
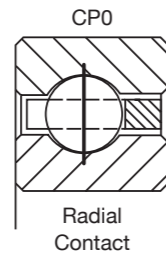
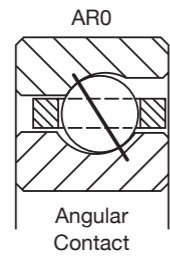
21

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
4.50	114.30	5.50	139.70	0.50	12.70	KD045AR0	L15TA408	CSED045
4.50	114.30	5.50	139.70	0.50	12.70	KD045CP0	L10TA408	CSCD045
4.50	114.30	5.50	139.70	0.50	12.70	KD045XP0	L18TA408	CSXD045
4.75	120.65	5.75	146.05	0.50	12.70	KD047AR0	L15TA412	CSED047
4.75	120.65	5.75	146.05	0.50	12.70	KD047CP0	L10TA412	CSCD047
4.75	120.65	5.75	146.05	0.50	12.70	KD047XP0	L18TA412	CSXD047
5.00	127.00	6.00	152.40	0.50	12.70	KD050AR0	L15TA500	CSED050
5.00	127.00	6.00	152.40	0.50	12.70	KD050CP0	L10TA500	CSCD050
5.00	127.00	6.00	152.40	0.50	12.70	KD050XP0	L18TA500	CSXD050
5.50	139.70	6.50	165.10	0.50	12.70	KD055AR0	L15TA508	CSED055
5.50	139.70	6.50	165.10	0.50	12.70	KD055CP0	L10TA508	CSCD055
5.50	139.70	6.50	165.10	0.50	12.70	KD055XP0	L18TA508	CSXD055
6.00	152.40	7.00	177.80	0.50	12.70	KD060AR0	L15TA600	CSED060
6.00	152.40	7.00	177.80	0.50	12.70	KD060CP0	L10TA600	CSCD060
6.00	152.40	7.00	177.80	0.50	12.70	KD060XP0	L18TA600	CSXD060
6.50	165.10	7.50	190.50	0.50	12.70	KD065AR0	L15TA608	CSED065
6.50	165.10	7.50	190.50	0.50	12.70	KD065CP0	L10TA608	CSCD065
6.50	165.10	7.50	190.50	0.50	12.70	KD065XP0	L18TA608	CSXD065
7.00	177.80	8.00	203.20	0.50	12.70	KD070AR0	L15TA700	CSED070
7.00	177.80	8.00	203.20	0.50	12.70	KD070CP0	L10TA700	CSCD070
7.00	177.80	8.00	203.20	0.50	12.70	KD070XP0	L18TA700	CSXD070
7.50	190.50	8.50	215.90	0.50	12.70	KD075AR0	L15TA708	CSED075
7.50	190.50	8.50	215.90	0.50	12.70	KD075CP0	L10TA708	CSCD075
7.50	190.50	8.50	215.90	0.50	12.70	KD075XP0	L18TA708	CSXD075
8.00	203.20	9.00	228.60	0.50	12.70	KD080AR0	L15TA800	CSED080

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBA10412	FPAD408	12800	15500	4450	0.40 kg
NBC11412	FPCD408	12900	13300	4400	0.40 kg
NBX10412	FPXD408	17200	23300	2650	0.40 kg
NBA12012	FPAD412	11170	18460	3810	0.43 kg
NBC12012	FPCD412	8410	15700	3810	0.43 kg
NBX12012	FPXD412	11100	15700	2290	0.43 kg
NBA12712	FPAD500	13200	17200	4050	0.45 kg
NBC12712	FPCD500	13400	14700	4000	0.45 kg
NBX12712	FPXD500	17800	25500	2350	0.45 kg
NBA13912	FPAD508	13700	18800	3700	0.48 kg
NBC13912	FPCD508	13800	16200	3650	0.48 kg
NBX13912	FPXD508	18400	28000	2110	0.48 kg
NBA15212	FPAD600	14100	20400	3400	0.53 kg
NBC15212	FPCD600	14300	17600	3350	0.53 kg
NBX15212	FPXD600	19000	30500	1920	0.53 kg
NBA16512	FPAD608	14500	22100	3150	0.55 kg
NBC16512	FPCD608	14700	19000	3150	0.55 kg
NBX16512	FPXD608	19500	33000	1760	0.55 kg
-	FPAD700	14900	23700	2950	0.59 kg
-	FPCD700	15000	20400	2900	0.59 kg
NBX17712	FPXD700	20000	35500	1620	0.59 kg
-	FPAD708	15600	27000	2600	0.69 kg
-	FPCD708	10800	24300	2600	0.64 kg
NBX19012	FPXD708	14330	24300	1500	0.64 kg
-	FPAD800	15600	27000	2600	0.69 kg

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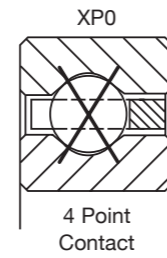
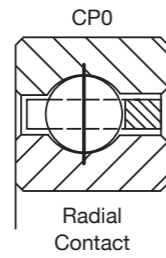
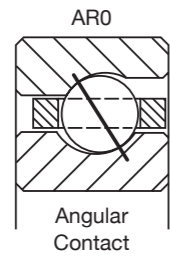
23

Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
8.00	203.20	9.00	228.60	0.50	12.70	KD080CP0	L10TA800	CSCD080
8.00	203.20	9.00	228.60	0.50	12.70	KD080XP0	L18TA800	CSXD080
9.00	228.60	10.00	254.00	0.50	12.70	KD090AR0	L15TA900	CSED090
9.00	228.60	10.00	254.00	0.50	12.70	KD090CP0	L10TA900	CSCD090
9.00	228.60	10.00	254.00	0.50	12.70	KD090XP0	L18TA900	CSXD090
10.00	254.00	11.00	279.40	0.50	12.70	KD100AR0	L15TA1000	CSED100
10.00	254.00	11.00	279.40	0.50	12.70	KD100CP0	L10TA1000	CSCD100
10.00	254.00	11.00	279.40	0.50	12.70	KD100XP0	L18TA1000	CSXD100
11.00	279.40	12.00	304.80	0.50	12.70	KD110AR0	L15TA1100	CSED110
11.00	279.40	12.00	304.80	0.50	12.70	KD110CP0	L10TA1100	CSCD110
11.00	279.40	12.00	304.80	0.50	12.70	KD110XP0	L18TA1100	CSXD110
12.00	304.80	13.00	330.20	0.50	12.70	KD120AR0	L15TA1200	CSED120
12.00	304.80	13.00	330.20	0.50	12.70	KD120CP0	L10TA1200	CSCD120
12.00	304.80	13.00	330.20	0.50	12.70	KD120XP0	L18TA1200	CSXD120
14.00	355.60	15.00	381.00	0.50	12.70	KD140AR0	-	CSED140
14.00	355.60	15.00	381.00	0.50	12.70	KD140CP0	-	CSCD140
14.00	355.60	15.00	381.00	0.50	12.70	KD140XP0	L18TA1400	CSXD140
16.00	406.40	17.00	431.80	0.50	12.70	KD160CP0	-	-
4.00	101.60	5.50	139.70	0.75	19.05	KF040AR0	L15VA400	CSEF040
4.00	101.60	5.50	139.70	0.75	19.05	KF040CP0	L10VA400	CSCF040
4.00	101.60	5.50	139.70	0.75	19.05	KF040XP0	L18VA400	CSXF040
4.25	107.95	5.75	146.05	0.75	19.05	KF042AR0	L15VA404	CSEF042
4.25	107.95	5.75	146.05	0.75	19.05	KF042CP0	L10VA404	CSCF042
4.25	107.95	5.75	146.05	0.75	19.05	KF042XP0	L18VA404	CSXF042
4.50	114.30	6.00	152.40	0.75	19.05	KF045AR0	L15VA408	CSEF045

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
-	FPCD800	15800	23300	2550	0.69 kg
NBX20312	FPXD800	21000	40500	1390	0.69 kg
-	FPAD900	16300	30500	2290	0.77 kg
-	FPCD900	16400	26000	2280	0.78 kg
NBX22812	FPXD900	21800	45500	1210	0.78 kg
-	FPAD1000	16900	33500	2070	0.85 kg
-	FPCD1000	17100	29000	2060	0.85 kg
NBX25412	FPXD1000	22700	50000	1080	0.85 kg
-	FPAD1100	17400	37000	1880	0.93 kg
-	FPCD1100	17600	32000	1870	0.93 kg
NBX27912	FPXD1100	23400	55000	960	0.93 kg
-	FPAD1200	18000	40000	1720	1.02 kg
-	FPCD1200	17100	34500	1710	1.03 kg
NBX30409	FPXD1200	24200	60000	870	1.02 kg
-	FPAD1400	19000	47000	1470	1.24 kg
-	FPCD1400	18100	40500	1470	1.24 kg
NBX35512	FPXD1400	25500	70000	720	1.24 kg
-	FPCC1600	16400	50220	730	1.41 kg
NBA10119	FPAF400	19350	28250	4210	0.87 kg
NBC10119	FPCF 400	15800	23800	4210	0.87 kg
NBX10119	FPXF400	31500	35000	2700	0.86 kg
NBA10719	FPAF404	19530	29360	4000	0.91 kg
NBC10719	FPCF404	16250	25000	4000	0.91 kg
NBX10719	FPXF404	21300	25000	2400	0.91 kg
NBA10419	FPAF408	20240	31540	3810	0.96 kg

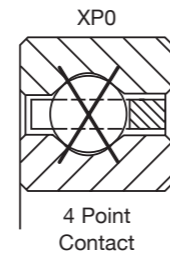
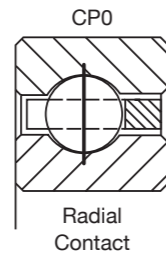
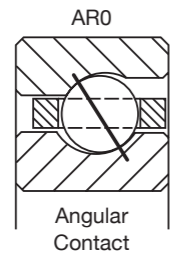
Rolamento Ultra Fino de Esferas



Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
4.50	114.30	6.00	152.40	0.75	19.05	KF045CP0	L10VA408	CSCF045
4.50	114.30	6.00	152.40	0.75	19.05	KF045XP0	L18VA408	CSXF045
4.75	120.65	6.25	158.75	0.75	19.05	KF047AR0	L15VA412	CSEF047
4.75	120.65	6.25	158.75	0.75	19.05	KF047CP0	L10VA412	CSCF047
4.75	120.65	6.25	158.75	0.75	19.05	KF047XP0	L18VA412	CSXF047
5.00	127.00	6.50	165.10	0.75	19.05	KF050AR0	L15VA412	CSEF050
7.00	177.80	8.50	215.90	0.75	19.05	KF050AR0	L15VA700	CSEF070
5.00	127.00	6.50	165.10	0.75	19.05	KF050CP0	L10VA500	CSCF050
20.00	508.00	21.5	546.10	0.75	19.05	KF050XP0	-	-
5.00	127.00	6.50	165.10	0.75	19.05	KF050XP0	L18VA500	CSXF050
7.00	177.80	8.50	215.90	0.75	19.05	KF050XP0	L18VA700	CSXF070
14.00	355.60	15.50	393.70	0.75	19.05	KF050XP0	L18VA1400	CSXF140
5.50	139.70	7.00	177.80	0.75	19.05	KF055AR0	L15VA508	CSEF055
5.50	139.70	7.00	177.80	0.75	19.05	KF055CP0	L10VA508	CSCF055
5.50	139.70	7.00	177.80	0.75	19.05	KF055XP0	L18VA508	CSXF055
6.00	152.40	7.50	190.50	0.75	19.05	KF060AR0	L15VA600	CSEF060
6.00	152.40	7.50	190.50	0.75	19.05	KF060CP0	L10VA600	CSCF060
6.00	152.40	7.50	190.50	0.75	19.05	KF060XP0	L18VA600	CSXF060
6.50	165.10	8.00	203.20	0.75	19.05	KF065AR0	L15VA608	CSEF065
6.50	165.10	8.00	203.20	0.75	19.05	KF065CP0	L10VA608	CSCF065
6.50	165.10	8.00	203.20	0.75	19.05	KF065XP0	L18VA608	CSXF065
7.00	177.80	8.50	215.90	0.75	19.05	KF070CP0	L10VA700	CSCF070
7.50	190.50	9.00	228.60	0.75	19.05	KF075AR0	L15VA708	CSEF075
7.50	190.50	9.00	228.60	0.75	19.05	KF075CP0	L10VA708	CSCF075
7.50	190.50	9.00	228.60	0.75	19.05	KF075XP0	L18VA708	CSXF075

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBC11419	FPCF408	16680	26370	3810	0.96 kg
NBX10419	FPXF408	21900	26370	2290	0.96 kg
NBA12019	FPAF412	20510	326210	3640	1.00 kg
NBC12019	FPCF412	17090	27600	3640	1.00 kg
NBX12019	FPXF412	22450	27600	2180	1.00 kg
NBA12719	FPAF500	20680	33670	3480	1.05 kg
NBA17719	FPAF700	29000	41500	2800	1.45 kg
NBC12719	FPCF500	25500	24700	3700	1.04 kg
-	FPXF500	23000	28800	2090	1.05 kg
NBX12719	FPXF500	34000	43500	2160	1.04 kg
NBX17719	FPXF700	38000	60000	1520	1.45 kg
NBX35519	FPXF500	48500	116000	700	2.72 kg
NBA13919	FPAF508	26500	32000	3450	1.13 kg
NBC13919	FPCF508	26500	27000	3400	1.13 kg
NBX13919	FPXF508	35000	47500	1960	1.13 kg
NBA15219	FPAF600	27500	35000	3200	1.22 kg
NBC15219	FPCF600	27000	29500	3150	1.22 kg
NBX15219	FPXF600	36000	51000	1790	1.22 kg
NBA16519	FPAF608	28500	38000	2950	1.32 kg
NBC16519	FPCF608	28000	31500	2950	1.32 kg
NBX16519	FPXF608	26100	36380	1660	1.32 kg
NBC17719	FPCF700	28500	34000	2750	1.45 kg
NBA19019	FPAF708	29500	43500	2600	1.54 kg
NBC19019	FPCF708	29500	36500	2600	1.54 kg
NBX19019	FPXF708	39000	64000	1410	1.54 kg

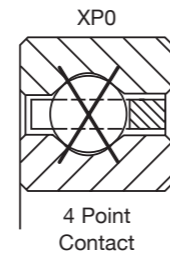
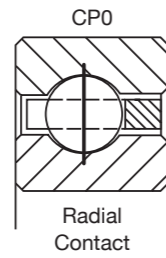
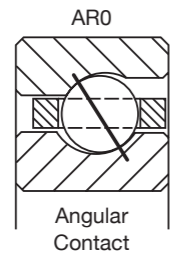
Rolamento Ultra Fino de Esferas



Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
8.00	203.20	9.50	241.30	0.75	19.05	KF080ARO	L15VA800	CSEF080
8.00	203.20	9.50	241.30	0.75	19.05	KF080CP0	L10VA800	CSCF080
8.00	203.20	9.50	241.30	0.75	19.05	KF080XP0	L18VA800	CSXF080
9.00	228.60	10.50	266.70	0.75	19.05	KF090ARO	L15VA900	CSEF090
9.00	228.60	10.50	266.70	0.75	19.05	KF090CP0	L10VA900	CSCF090
9.00	228.60	10.50	266.70	0.75	19.05	KF090XP0	L18VA900	CSXF090
10.00	254.00	11.50	292.10	0.75	19.05	KF100ARO	L15VA1000	CSEF100
10.00	254.00	11.50	292.10	0.75	19.05	KF100CP0	L10VA1000	CSCF100
10.00	254.00	11.50	292.10	0.75	19.05	KF100XP0	L18VA1000	CSXF100
11.00	279.40	12.50	317.50	0.75	19.05	KF110ARO	L15VA1100	CSEF110
11.00	279.40	12.50	317.50	0.75	19.05	KF110CP0	L10VA1100	CSCF110
11.00	279.40	12.50	317.50	0.75	19.05	KF110XP0	L18VA1100	CSXF110
12.00	304.80	13.50	342.90	0.75	19.05	KF120ARO	L15VA1200	CSEF120
12.00	304.80	13.50	342.90	0.75	19.05	KF120CP0	L10VA1200	CSCF120
12.00	304.80	13.50	342.90	0.75	19.05	KF120XP0	L18VA1200	CSXF120
14.00	355.60	15.50	393.70	0.75	19.05	KF140CP0	-	-
16.00	406.40	17.50	444.50	0.75	19.05	KF160ARO	-	-
16.00	406.40	17.50	444.50	0.75	19.05	KF160CP0	-	-
16.00	406.40	17.50	444.50	0.75	19.05	KF160XP0	-	-
18.00	457.20	19.50	495.30	0.75	19.05	KF180ARO	-	-
18.00	457.20	19.50	495.30	0.75	19.05	KF180CP0	-	-
18.00	457.20	19.50	495.30	0.75	19.05	KF180XP0	-	-
20.00	508.00	21.50	546.10	0.75	19.05	KF200CP0	-	-
4.00	101.60	6.00	152.40	1.00	25.4	KG040ARO	-	CSEG040
4.00	101.60	6.00	152.40	1.00	25.4	KG040CP0	-	CSCG040

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBA20319	FPAF800	30500	46500	2450	1.59 kg
NBC20319	FPCF800	30000	38500	2430	1.59 kg
NBX20319	FPXF800	40000	68000	1320	1.59 kg
NBA22819	FPAF900	32000	52000	2190	1.77 kg
NBC22819	FPCF900	31500	43500	2180	1.77 kg
NBX22819	FPXF900	41500	76000	1160	1.77 kg
NBA25419	FPAF1000	33000	58000	1980	1.95 kg
NBC25419	FPCF1000	32500	48000	1970	1.95 kg
NBX25419	FPXF1000	43000	84000	1030	1.95 kg
-	FPAF1100	34000	64000	1810	2.18 kg
-	FPCF1100	33500	53000	1800	2.18 kg
NBX27919	FPXF1100	44500	92000	920	2.18 kg
-	FPAF1200	35000	69000	1660	2.36 kg
-	FPCF1200	32500	58000	1650	2.36 kg
NBX30419	FPXF1200	46000	100000	840	2.36 kg
-	FPCG1400	29400	74060	810	2.73 kg
-	FPAF1600	33640	100000	1190	3.23 kg
-	FPCF1600	31600	84000	1190	3.23 kg
-	FPXF1600	41900	84000	720	3.23 kg
-	FPAF1800	36040	113030	1070	3.59 kg
-	FPCF1800	33600	94120	1070	3.59 kg
-	FPXF1800	44600	94120	1070	3.59 kg
-	FPCF2000	35500	104100	960	4.04 kg
NBA10125	FPAG400	32650	42170	4000	1.64 kg
NBC 10125	FPCG400	27200	36500	4000	1.64 kg

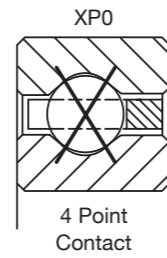
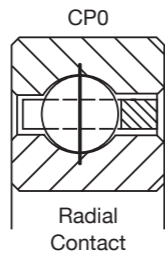
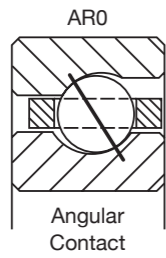
Rolamento Ultra Fino de Esferas



Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
4.00	101.60	6.00	152.40	1.00	25.40	KG040XP0	-	CSXG040
4.25	107.95	6.25	158.75	1.00	25.40	KG042AR0	-	CSEG042
4.25	107.95	6.25	158.75	1.00	25.40	KG042CP0	-	CSCG042
4.25	107.95	6.25	158.75	1.00	25.40	KG042XP0	-	CSXG042
4.50	114.30	6.50	165.10	1.00	25.40	KG045AR0	-	CSEG045
4.50	114.30	6.50	165.10	1.00	25.40	KG045CP0	-	CSCG045
4.50	114.30	6.50	165.10	1.00	25.40	KG045XP0	L18WA408	CSXG045
4.75	120.65	6.75	171.45	1.00	25.40	KG047AR0	-	CSEG047
4.75	120.65	6.75	171.45	1.00	25.40	KG047CP0	-	CSCG047
4.75	120.65	6.75	171.45	1.00	25.40	KG047XP0	L18WA412	CSXG047
5.00	127.00	7.00	177.80	1.00	25.40	KG050AR0	-	CSEG050
5.00	127.00	7.00	177.80	1.00	25.40	KG050CP0	L10WA500	CSCG050
5.00	127.00	7.00	177.80	1.00	25.40	KG050XP0	L18WA500	CSXG050
5.50	139.70	7.50	190.50	1.00	25.40	KG055AR0	-	CSEG055
5.50	139.70	7.50	190.50	1.00	25.40	KG055CP0	L10WA508	CSCG055
5.50	139.70	7.50	190.50	1.00	25.40	KG055XP0	L18WA508	CSXG055
6.00	152.40	8.00	203.20	1.00	25.40	KG060AR0	L15WA600	CSEG060
6.00	152.40	8.00	203.20	1.00	25.40	KG060CP0	L10WA600	CSCG060
6.00	152.40	8.00	203.20	1.00	25.40	KG060XP0	L18WA600	CSXG060
6.50	165.10	8.50	215.90	1.00	25.40	KG065AR0	L15WA608	CSEG065
6.50	165.10	8.50	215.90	1.00	25.40	KG065CP0	L10WA608	CSCG065
6.50	165.10	8.50	215.90	1.00	25.40	KG065XP0	L18WA608	CSXG065
7.00	177.80	9.00	228.60	1.00	25.40	KG070AR0	L15WA700	CSEG70
7.00	177.80	9.00	228.60	1.00	25.40	KG070CP0	L10WA700	CSCG070
7.00	177.80	9.00	228.60	1.00	25.40	KG070XP0	L18WA700	CSXG70

Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBX10125	FPXG400	35492	36500	2400	1.64 kg
NBA10725	FPAG404	33720	44260	3810	1.73 kg
NBC10725	FPCG404	26900	36500	3810	1.73 kg
NBX10725	FPXG404	35200	36500	2290	1.73 kg
NBA10425	FPAG408	34790	46390	3640	1.82 kg
NBC11425	FPCG408	27600	38900	3640	1.82 kg
NBX10425	FPXG408	36400	38900	2180	1.82 kg
NBA12025	FPAG412	35850	48490	3480	1.87 kg
NBC12025	FPCG412	28800	41300	3480	1.86 kg
NBX12025	FPXG412	37700	41300	2090	1.86 kg
NBA12725	FPAG500	36880	50580	3330	1.96 kg
NBC12725	FPCG500	29700	43800	3330	1.96 kg
NBX12725	FPXG500	38900	43800	2000	1.96 kg
NBA13925	FPAG508	38300	54800	3080	2.14 kg
NBC13925	FPCG508	41500	39000	3200	2.13 kg
NBX13925	FPXG508	56000	69000	1830	2.13 kg
NBA15225	FPAG600	43500	51000	3000	2.31 kg
NBC15225	FPCG600	32200	51100	3000	2.32 kg
NBX15225	FPXG600	58000	76000	1680	2.31 kg
NBA16525	FPAG608	40520	63250	2670	2.45 kg
NBC16525	FPCG608	44000	46000	2800	2.45 kg
NBX16525	FPXG608	43200	53500	1600	2.45 kg
NBA17725	FPAG700	45500	59000	2650	2.63 kg
NBC17725	FPCG700	46000	50000	2600	2.63 kg
NBX17725	FPXG700	61000	88000	1440	2.63 kg

Rolamento Ultra Fino de Esferas



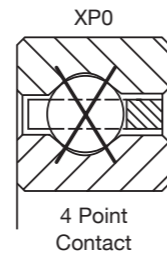
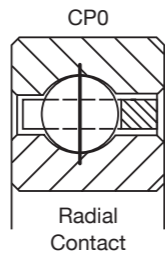
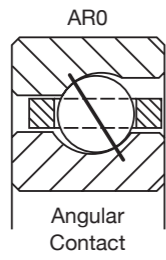
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Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
7.50	190.50	9.50	241.30	1.00	25.40	KG075AR0	L15WA708	CSEG075
7.50	190.50	9.50	241.30	1.00	25.40	KG075CP0	L10WA708	CSCG075
7.50	190.50	9.50	241.30	1.00	25.40	KG075XP0	L18WA708	CSXG075
8.00	203.20	10.00	254.00	1.00	25.40	KG080AR0	L15WA800	CSEG080
8.00	203.20	10.00	254.00	1.00	25.40	KG080CP0	L10WA800	CSCG080
8.00	203.20	10.00	254.00	1.00	25.40	KG080XP0	L18WA800	CSXG080
9.00	228.60	11.00	279.40	1.00	25.40	KG090AR0	L15WA900	CSEG092
9.00	228.60	11.00	279.40	1.00	25.40	KG090CP0	L10WA900	CSCG090
9.00	228.60	11.00	279.40	1.00	25.40	KG090XP0	L18WA900	CSXG090
10.00	254.00	12.00	304.80	1.00	25.40	KG100AR0	L10WA1000	SCEG100
10.00	254.00	12.00	304.80	1.00	25.40	KG100CP0	L10WA1000	CSCG100
10.00	254.00	12.00	304.80	1.00	25.40	KG100XP0	L10WA1000	SCXG100
11.00	279.40	13.00	330.20	1.00	25.40	KG110AR0	L15WA1100	CSEG110
11.00	279.40	13.00	330.20	1.00	25.40	KG110CP0	L10WA1100	CSCG110
11.00	279.40	13.00	330.20	1.00	25.40	KG110XP0	L18WA1100	CSXG110
12.00	304.80	14.00	355.60	1.00	25.40	KG120AR0	L15WA1200	CSEG120
12.00	304.80	14.00	355.60	1.00	25.40	KG120CP0	L10WA1200	CSCG120
12.00	304.80	14.00	355.60	1.00	25.40	KG120XP0	L18WA1200	CSXG120
14.00	355.60	16.00	406.40	1.00	25.40	KG140AR0	L15WA1400	CSEG140
14.00	355.60	16.00	406.40	1.00	25.40	KG140CP0	L10WA1400	CSCG140
14.00	355.60	16.00	406.40	1.00	25.40	KG140XP0	L18WA1400	CSXG140
16.00	406.40	18.00	457.20	1.00	25.40	KG160AR0	L15WA1600	CSEG160
16.00	406.40	18.00	457.20	1.00	25.40	KG160CP0	L10WA1600	CSCG160
16.00	406.40	18.00	457.20	1.00	25.40	KG160XP0	L18WA1600	CSXG162
18.00	457.20	20.00	508.00	1.00	25.40	KG180AR0	L15WA1800	CSEG180

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Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBA19025	FPAG708	47000	63000	2480	2.77 kg
NBC19025	FPCG708	46500	53000	2450	2.77 kg
NBX19025	FPXG708	62000	92000	1340	2.77 kg
NBA20325	FPAG800	48000	67000	2340	2.95 kg
NBC20325	FPCG800	48000	57000	2320	2.95 kg
NBX20325	FPXG800	64000	100000	1250	2.95 kg
NBA22827	FPAG900	45330	84340	2000	3.27 kg
NBC22825	FPCG900	50000	64000	2080	3.27 kg
NBX22825	FPXG900	67000	112000	1100	3.27 kg
NBA25425	FPAG1000	46970	92750	1820	3.59 kg
NBC25425	FPCG1000	52000	71000	1890	3.58 kg
NBCX25425	FPXG1000	54000	80330	1090	3.59 kg
NBA27925	FPAG1100	48570	101200	1670	3.91 kg
NBC27925	FPCG1100	42910	87600	1670	3.91 kg
NBX27925	FPXG1100	56600	87600	1000	3.91 kg
NBA 30425	FPAG1200	55000	98000	1610	4.30 kg
NBC 30425	FPCG1200	52000	84000	1600	4.22 kg
NBX 30425	FPXG1200	74000	147000	810	4.22 kg
NBA35525	FPAG1400	52360	126460	1330	4.90 kg
NBC35525	FPCG1400	55000	98000	1380	4.90 kg
NBX35525	FPXG1400	78000	171000	680	4.90 kg
NBA40625	FPAG1600	54980	143320	1180	5.58 kg
NBC40625	FPCG1600	58000	112000	1210	5.58 kg
NBX40625	FPXG1600	67800	124100	710	5.58 kg
NBA45725	FPAG1800	57370	160220	1050	6.21 kg

Rolamento Ultra Fino de Esferas



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Dimension (inch / mm)						Designation/Type		
ID inch	ID mm	OD inch	OD mm	Width inch	Width mm	ZEN	FAG	INA
18.00	457.20	20.00	508.00	1.00	25.40	KG180CP0	L10WA1800	CSCG180
18.00	457.20	20.00	508.00	1.00	25.40	KG180XP0	L18WA1800	CSXG180
20.00	508.00	22.00	558.80	1.00	25.40	KG200AR0	L15WA2000	CSEG200
20.00	508.00	22.00	558.80	1.00	25.40	KG200CP0	L10WA2000	CSCG200
20.00	508.00	22.00	558.80	1.00	25.40	KG200XP0	L18WA2000	CSXG200



Designation/Type		*Load Rating C, dyn. N	*Load Rating C, stat. N	*Limiting Speed (rpm) Grease	Weight (kg) approx.
NSK	SKF				
NBC45725	FPCG1800	60000	126000	1080	6.21 kg
NBX45725	FPXG1800	85000	219000	510	6.21 kg
NBA50825	FPAG2000	60550	177080	950	7.17 kg
NBC50825	FPCG2000	63000	139000	970	7.16 kg
NBX50825	FPXG2000	88000	242000	450	7.16 kg

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