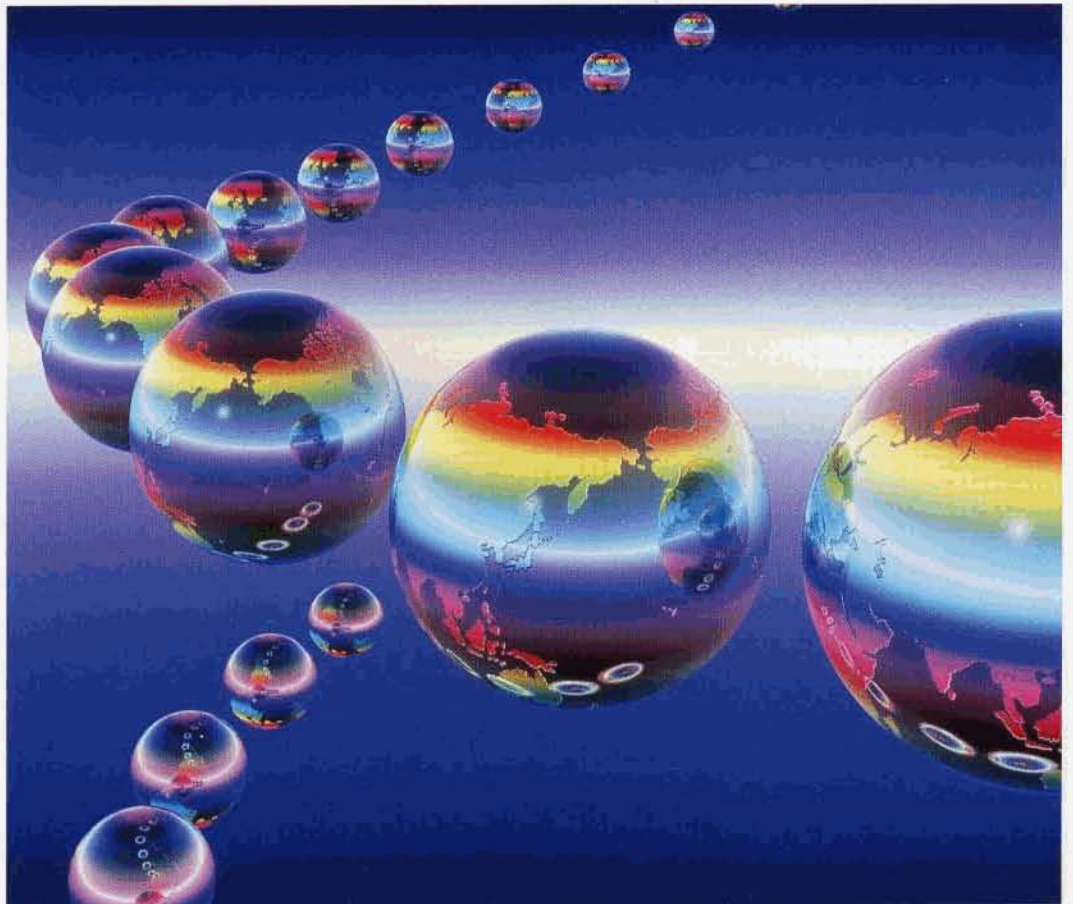


**KSK** BALL BEARINGS

**PRODUCT  
REFERENCE  
AND  
INTERCHANGE  
CATALOGUE**



# KSK



It is our great pleasure to present you with this copy of our catalogue, covering various product lines available from us.

Every effort has been taken to ensure the accuracy of the data contained in this catalogue.

No liability can be accepted for any errors or omissions.

Due to limited space, not all items are necessarily listed in this catalogue.

Apart from the standardized sizes listed in this catalogue, we manufacture non-standardized sizes as per our customers' special specifications. We welcome your inquiries.

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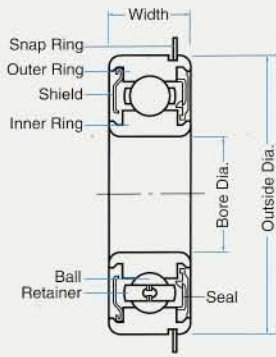
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**BALL BEARING CONSTRUCTION; DEEP GROOVE BALL BEARINGS**

**BALL BEARING CONSTRUCTION**

Ball bearings consist of rings with raceway (an inner ring and an outer ring) , rolling elements (balls) and a retainer.

The retainer that separates the rolling elements at regular intervals holds them in place within the inner and outer raceways and allows them to rotate freely.

The retainer only serves to hold the balls at equal distances from one another.

Balls geometrically contact the raceway surfaces of the inner & outer ring at points.

**DEEP GROOVE BALL BEARINGS**

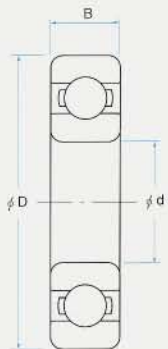
Deep groove ball bearings are in very wide use, and they are suitable for high speed operation.

A deep groove is formed on each inner and outer ring of a deep groove ball bearing.

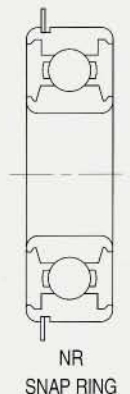
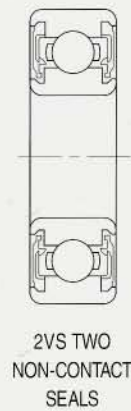
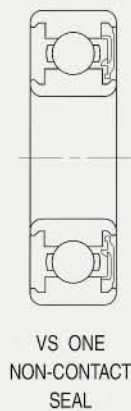
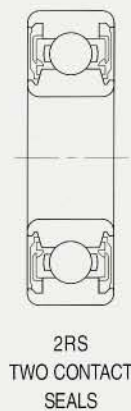
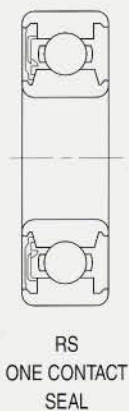
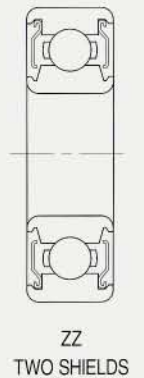
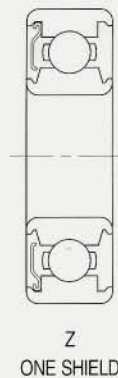
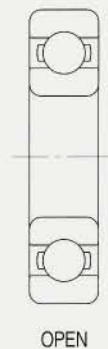
Radial load and axial load in either direction and the resultant forces of these loads can be sustained.

They are available in open or shielded or sealed type, and are prelubricated with grease or rust preventive oil.

They are also available with a snap ring on outside diameter.



d = Bore Diameter  
 D= Outside Diameter  
 B= Width



Our "KSK" brand ball bearings are available in the following materials:–

- (1) high carbon chrome steel JIS SUJ2 (equivalent to AISI 52100 or DIN 100CR6)
- (2) SUS440C stainless steel (equivalent to AISI 440C)
- (3) SUS420J2 stainless steel
- (4) other materials such as QD51 stainless steel, etc.

Materials Table (1) High carbon chrome bearing steel

Symbol	Chemical composition %							
	C	Si	Mn	P	S	Cr	Ni	Mo
SUJ2 (AISI 52100)	0.95-1.10	0.15-0.35	0.50max.	0.025max.	0.025max.	1.30-1.60	–	–

Materials Table (2) Stainless steel

Symbol	Chemical composition %							
	C	Si	Mn	P	S	Cr	Ni	Mo
SUS440C (AISI 440C)	0.95-1.20	1.00max.	1.00max.	0.04max.	0.030max.	16.00-18.00	0.6max.	0.75max.

Materials Table (3) Stainless steel

Symbol	Chemical composition %							
	C	Si	Mn	P	S	Cr	Ni	Mo
SUS420J2 (AISI 420J2)	0.26-0.40	1.00max.	1.00max.	0.04max.	0.030max.	12.00-14.00	0.6max.	–

Materials Table (4) Stainless steel

Symbol	Chemical composition %							
	C	Si	Mn	P	S	Cr	Ni	Mo
QD51	0.65-0.75	0.35max.	0.45-0.75	0.04max.	0.030max.	13.00-14.00	0.5max.	0.75max.

**BEARING TOLERANCES**

Tolerances for rolling bearings, i.e., dimensional accuracy, running accuracy, etc., are regulated by standards such as JIS and ISO.

For dimensional accuracy, these standards specify the tolerances and permissible values for the boundary dimensions (bore diameter, outside diameter, width, assembled bearing width, chamfer and taper).

For machining accuracy, the standards provide permissible variation limits on bore, mean bore, outside diameter, mean outside diameter and ring width.

Rotational precision is defined as the permissible values for bearing runout.

Bearing runout tolerances are included in the standards for inner and outer ring radial & axial runout, inner ring side runout with bore, and outer ring outside surface runout with side.

Tolerances and permissible values are established for each tolerance grade or class.

A comparison of relative tolerance classifications between JIS B1514 standard classes and other standards is shown below.

**Tolerance Classes**

Deep Groove Ball Bearings	Applicable Tolerance Classes [Equivalent standards (Reference)]				
JIS (1)	Class 0	Class 6	Class 5	Class 4	Class 2
DIN (2)	P 0	P 6	P 5	P 4	P 2
AFBMA (3)	ABEC 1	ABEC 3	ABEC 5 (CLASS 5P)	ABEC 7 (CLASS 7P)	ABEC 9 (CLASS 9P)

**Note** (1) JIS : Japanese Industrial Standards (2) DIN : Deutsche Industrie Norm  
(3) AFBMA : Anti-Friction Bearing Manufacturers Association

**Radial Internal Clearances in Deep Groove Ball Bearings**  
Units :  $\mu\text{m}$

Nominal Bore Diameter d (mm)		Clearance									
		C 2	Normal	C 3	C 4	C 5					
over	incl	min	max	min	max	min	max	min	max		
10 only		0	7	2	13	8	23	14	29	20	37
10	18	0	9	3	18	11	25	18	33	25	45
18	24	0	10	5	20	13	28	20	36	28	48
24	30	1	11	5	20	13	28	23	41	30	53
30	40	1	11	6	20	15	33	28	46	40	64
40	50	1	11	6	23	18	36	30	51	45	73

**Radial Internal Clearances of Small and Miniature Bearings**  
Units :  $\mu\text{m}$

Clearance Mark	MC1		MC2		MC3		MC4		MC5		MC6	
	min	max	min	max	min	max	min	max	min	max	min	max
Clearance	0	5	3	8	5	10	8	13	13	20	20	28

Note : Standard clearance is MC3.

**Deep Groove Ball Bearings for Electric Motors**  
Units :  $\mu\text{m}$

Nominal Bore Diameter d (mm)		Clearance	
		C	M
over	incl	min	max
10 (inch)	18	4	11
18	30	5	12
30	50	9	17

**LUBRICATION**

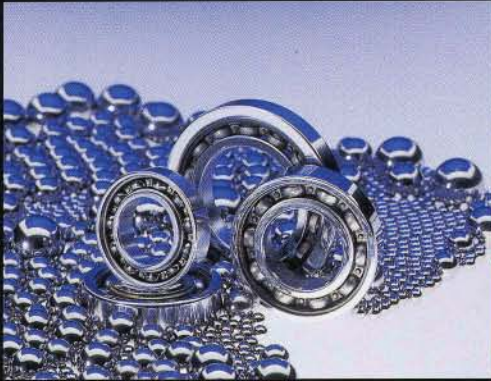
The purpose of bearing lubrication is to form a thin oil (or grease) film on the contact surfaces and to prevent direct metallic contact between various rolling and sliding elements, and to achieve the following effects:–

- (1) reduction of friction or wear
- (2) dissipation of friction heat
- (3) prolonged bearing life
- (4) prevention of rust
- (5) protection against harmful elements such as dust, water, etc.

It is imperative that effectively designed sealing arrangement and good quality lubricant be used for the operating conditions, in order to achieve maximum effects.

**PROPERTIES OF LUBRICATING GREASES WHICH ARE COMMONLY USED FOR OUR SHIELDED AND SEALED BALL BEARINGS**

Name	Manufacturer	Thickeners	Base Oils	Dropping point (°C)	Consistency	Working Temperature Rang (°C) (°F)	
Beacon 325	Esso Standard	Lithium	Diester Oil	191	290	-55 ~ +100	-67 ~ +212
Andok C		Sodium Complex	Mineral Oil	OVER 260	205	0 ~ +100	+32 ~ +212
Andok B		Sodium Complex	Mineral Oil	245	280	-10 ~ +100	+14 ~ +212
Isoflex NBU 15	Klüber	Barium Complex	Diester Oil + Mineral Oil	250	280	-30 ~ +120	-22 ~ +248
Barrierta L 55/2		Fluorine Complex	Perfluoropolyether Oil (Fluorine Oil)	-	280	0 ~ +200	+32 ~ +392
Barrierta IMI		Fluorine Complex	Perfluoropolyether Oil (Fluorine Oil)	-	280	0 ~ +200	+32 ~ +392
Staburags NBU12		Barium Complex	Mineral Oil	250	270	0 ~ +130	+32 ~ +266
Alvania 2	Shell	Lithium	Mineral Oil	182	277	-10 ~ +110	+14 ~ +230
Alvania 3		Lithium	Mineral Oil	183	240	-10 ~ +110	+14 ~ +230
Aeroshell 7		Micro Gel	Diester Oil	OVER 260	288	-55 ~ +100	-67 ~ +212
Molykote 33M	Dow Corning	Lithium	Silicone Oil	210	260	-70 ~ +180	-94 ~ +356
Molykote 44M		Lithium	Silicone Oil	204	260	-40 ~ +200	-40 ~ +392
Molykote FS3451		Fluorine Complex	Fluorosilicone Oil	OVER 260	285	0 ~ +180	+32 ~ +356
Multemp PS 2	Kyodo Yushi	Lithium	Diester Oil + Mineral Oil	189	280	-55 ~ +110	-58 ~ +230
Multemp SRL		Lithium	Ester Oil	190	255	-40 ~ +130	-40 ~ +266
Chevron SRI-2	Caltex	Polyurea	Mineral Oil	243	280	-30 ~ +175	-22 ~ +347
Krytox 240AC	Dupont	Fluorine Complex	Perfluoropolyether Oil (Fluorine Oil)	-	282	0 ~ +200	+32 ~ +392
Mobil grease 28	Mobil Oil	Bentnite	Synthetic Hydrocarbon Oil	OVER 260	280	-40 ~ +140	-40 ~ +284







# KSK DEEP GROOVE BALL BEARINGS

SERIES 600

## DEEP GROOVE BALL BEARINGS SERIES 600

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (Kg)	(Interchange)						FAG SKF(Eur.) STEYR
	mm	inches	mm	inches	mm	inches		ADR	FAF	MRC	ND	RMB	SKF	
<b>635</b>	5.000	0.1969	19.000	0.7480	6.000	0.2362	0.008	635	35K	35	35	R5190	635	635
<b>626</b>	6.000	0.2362	19.000	0.7480	6.000	0.2362	0.008	626	36K	36	36	R6190	626	626
<b>626-1/4</b>	6.350	0.2500	19.000	0.7480	6.000	0.2362	0.008							
<b>636</b>	6.000	0.2362	22.000	0.8661	7.000	0.2756	0.014							
<b>607</b>	7.000	0.2756	19.000	0.7480	6.000	0.2362	0.008	607				R7190	607	607
<b>627</b>	7.000	0.2756	22.000	0.8661	7.000	0.2756	0.013	627	37K	37	37	R7220	627	627
<b>637</b>	7.000	0.2756	26.000	1.0236	9.000	0.3543	0.024							
<b>608</b>	8.000	0.3150	22.000	0.8661	7.000	0.2756	0.012	608	38K	38	38	R8220	608	608
<b>608-5/16</b>	7.937	0.3125	22.000	0.8661	7.000	0.2756	0.012							
<b>628</b>	8.000	0.3150	24.000	0.9449	8.000	0.3150	0.015							
<b>638</b>	8.000	0.3150	28.000	1.1024	9.000	0.3543	0.028							
<b>609</b>	9.000	0.3543	24.000	0.9449	7.000	0.2756	0.014	609					609	609
<b>629</b>	9.000	0.3543	26.000	1.0236	8.000	0.3150	0.020	629	39K	39	39		629	629
<b>639</b>	9.000	0.3543	30.000	1.1811	10.000	0.3937	0.035							

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 6800**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange)			
	mm	inches	mm	inches	mm	inches		ADR	SKF(Eur.)	FAG	ELGES
<b>6800</b>	10.000	0.3937	19.000	0.7480	5.000	0.1969	0.008	X-10	61800	61800T	61800
<b>6801</b>	12.000	0.4724	21.000	0.8268	5.000	0.1969	0.009	61801	61801	61801T	61801
<b>6802</b>	15.000	0.5906	24.000	0.9449	5.000	0.1969	0.009	61802	61802	61802T	61802
<b>6803</b>	17.000	0.6693	26.000	1.0236	5.000	0.1969	0.009	61803	61803	61803T	61803
<b>6804</b>	20.000	0.7874	32.000	1.2598	7.000	0.2756	0.018		61804	61804T	61804-Y
<b>6805</b>	25.000	0.9843	37.000	1.4567	7.000	0.2756	0.023		61805	61805T	61805-Y
<b>6806</b>	30.000	1.1811	42.000	1.6535	7.000	0.2756	0.027		61806	61806T	61806-Y
<b>6807</b>	35.000	1.3780	47.000	1.8504	7.000	0.2756	0.030		61807	61807T	61807-Y
<b>6808</b>	40.000	1.5748	52.000	2.0472	7.000	0.2756	0.035		61808	61808T	61808-Y
<b>6809</b>	45.000	1.7717	58.000	2.2835	7.000	0.2756	0.040		61809	61809T	61809-Y

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 6900**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (Kg)	(Interchange)				
	mm	inches	mm	inches	mm	inches		ADR	FAF	MRC	SKF	FAG SKF(Eur.)
<b>6900</b>	10.000	0.3937	22.000	0.8661	6.000	0.2362	0.009	AY-10	9300K	1900-S		61900
<b>6901</b>	12.000	0.4724	24.000	0.9449	6.000	0.2362	0.011	AY-12	9301K	1901-S		61901
<b>6902</b>	15.000	0.5906	28.000	1.1024	7.000	0.2756	0.016	AY-15	9302K	1902-S		61902
<b>6903</b>	17.000	0.6693	30.000	1.1811	7.000	0.2756	0.017	AY-17	9303K	1903-S	6903	61903
<b>6904</b>	20.000	0.7874	37.000	1.4567	9.000	0.3543	0.035	AY-20	9304K	1904-S	6904	61904
<b>6904-19</b>	19.000	0.7480	37.000	1.4567	9.000	0.3543	0.036					
<b>6905</b>	25.000	0.9843	42.000	1.6535	9.000	0.3543	0.042	AY-25	9305K	1905-S	6905	61905
<b>6906</b>	30.000	1.1811	47.000	1.8504	9.000	0.3543	0.048	AY-30	9306K	1906-S	6906	61906
<b>6907</b>	35.000	1.3780	55.000	2.1654	10.000	0.3937	0.074	AY-35	9307K	1907-S	6907	61907
<b>6908</b>	40.000	1.5748	62.000	2.4409	12.000	0.4724	0.112	AY-40	9308K	1908-S	6908	61908

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 6000**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange)						FAG SKF STEYR
	mm	inches	mm	inches	mm	inches		RIV	FAF	FED	MRC	ND	NH	
<b>6000</b>	10.000	0.3937	26.000	1.0236	8.000	0.3150	0.019	EL 10	9100K	9100	100-KS	3L00	6100	6000
<b>6001</b>	12.000	0.4724	28.000	1.1024	8.000	0.3150	0.022	EL 12	9101K	9101	101-KS	3L01	6101	6001
<b>6001-1/2</b>	12.700	0.5000	28.000	1.1024	8.000	0.3150	0.021							
<b>6002</b>	15.000	0.5906	32.000	1.2598	9.000	0.3543	0.030	ELL 15	9102K	9102	102-KS	3L02	6102	6002
<b>6002-5/8</b>	15.875	0.6250	32.000	1.2598	9.000	0.3543	0.028							
<b>6003</b>	17.000	0.6693	35.000	1.3780	10.000	0.3937	0.039	ELL 17	9103K	9103	103-KS	3L03	6103	6003
<b>6004</b>	20.000	0.7874	42.000	1.6535	12.000	0.4724	0.069	ELL 20	9104K	9104	104-KS	3L04	6104	6004
<b>6004-3/4</b>	19.050	0.7500	42.000	1.6535	12.000	0.4724	0.069							
<b>60/22</b>	22.000	0.8661	44.000	1.7323	12.000	0.4724	0.075							
<b>6005</b>	25.000	0.9843	47.000	1.8504	12.000	0.4724	0.080	ELL 25	9105K	9105	105-KS	3L05	6105	6005
<b>6005-1</b>	25.400	1.0000	47.000	1.8504	12.000	0.4724	0.078							
<b>6005-26</b>	26.000	1.0236	47.000	1.8504	12.000	0.4724	0.077							
<b>60/28</b>	28.000	1.1024	52.000	2.0472	12.000	0.4724	0.095							
<b>6006</b>	30.000	1.1811	55.000	2.1654	13.000	0.5118	0.116	ELL 30	9106K	9106	106-KS	3L06	6106	6006
<b>60/32</b>	32.000	1.2598	58.000	2.2835	13.000	0.5118	0.128							
<b>6007</b>	35.000	1.3780	62.000	2.4409	14.000	0.5512	0.155	ELL 35	9107K	9107	107-KS	3L07	6107	6007
<b>6008</b>	40.000	1.5748	68.000	2.6772	15.000	0.5906	0.191	ELL 40	9108K	9108	108-KS	3L08	6108	6008
<b>6009</b>	45.000	1.7717	75.000	2.9528	16.000	0.6299	0.241	ELL 45	9109K	9109	109-KS	3L09	6109	6009

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 16000**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	RIV	FAG SKF(Eur.) STEYR	(Interchange)
	mm	inches	mm	inches	mm	inches				
<b>16100</b>	10.000	0.3937	28.000	1.1024	8.000	0.3150	0.022	1103a	16100	
<b>16001</b>	12.000	0.4724	28.000	1.1024	7.000	0.2756	0.021			
<b>16101</b>	12.000	0.4724	30.000	1.1811	8.000	0.3150	0.025	1938c	16101	
<b>16002</b>	15.000	0.5906	32.000	1.2598	8.000	0.3150	0.027	EL 15	16002	
<b>16003</b>	17.000	0.6693	35.000	1.3780	8.000	0.3150	0.032	EL 17	16003	
<b>16004</b>	20.000	0.7874	42.000	1.6535	8.000	0.3150	0.048	EL 20	16004	
<b>16005</b>	25.000	0.9843	47.000	1.8504	8.000	0.3150	0.055	EL 25	16005	
<b>16006</b>	30.000	1.1811	55.000	2.1654	9.000	0.3543	0.084	EL 30	16006	
<b>16007</b>	35.000	1.3780	62.000	2.4409	9.000	0.3543	0.114	EL 35	16007	

Note:

(1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.

(2) C3 and C4 radial clearances are available on all of the above sizes.

(3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 63000**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>63000</b>	10.000	0.3937	26.000	1.0236	12.000	0.4724	0.027
<b>63001</b>	12.000	0.4724	28.000	1.1024	12.000	0.4724	0.032
<b>63002</b>	15.000	0.5906	32.000	1.2598	13.000	0.5118	0.040
<b>63003</b>	17.000	0.6693	35.000	1.3780	14.000	0.5512	0.050
<b>63004</b>	20.000	0.7874	42.000	1.6535	16.000	0.6299	0.086
<b>63005</b>	25.000	0.9843	47.000	1.8504	16.000	0.6299	0.100
<b>63006</b>	30.000	1.1811	55.000	2.1654	19.000	0.7480	0.159
<b>63007</b>	35.000	1.3780	62.000	2.4409	20.000	0.7874	0.209

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

### DEEP GROOVE BALL BEARINGS SERIES 6200

KSK Bearing Number	Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	(Interchange)						FAG SKF STEYR
	mm	inches	mm	inches	mm	inches		RIV	FAF	FED	MRC	ND	NH	
6200	10.000	0.3937	30.000	1.1811	9.000	0.3543	0.032	04A	200K	1200	200-S	3200	200	6200
6200-1/2	12.700	0.5000	30.000	1.1811	9.000	0.3543	0.030							
6200-13	13.000	0.5118	30.000	1.1811	9.000	0.3543	0.030							
6201	12.000	0.4724	32.000	1.2598	10.000	0.3937	0.037	03A	201K	1201	201-S	3201	201	6201
6201-3/8	9.525	0.3750	32.000	1.2598	10.000	0.3937	0.038							
6201-1/2	12.700	0.5000	32.000	1.2598	10.000	0.3937	0.036							
6201-13	13.000	0.5118	32.000	1.2598	10.000	0.3937	0.036							
6202	15.000	0.5906	35.000	1.3780	11.000	0.4331	0.048	02A	202K	1202	202-S	3202	202	6202
6202-12	12.000	0.4724	35.000	1.3780	11.000	0.4331	0.048							
6202-1/2	12.700	0.5000	35.000	1.3780	11.000	0.4331	0.050							
6202-14	14.000	0.5512	35.000	1.3780	11.000	0.4331	0.047							
6202-5	15.870	0.6248	35.000	1.3780	11.000	0.4331	0.043							
6202-5/8	15.875	0.6250	35.000	1.3780	11.000	0.4331	0.043							
6202-16	16.000	0.6299	35.000	1.3780	11.000	0.4331	0.043							
6203	17.000	0.6693	40.000	1.5748	12.000	0.4724	0.065	01A	203K	1203	203-S	3203	203	6203
6203-12	12.000	0.4724	40.000	1.5748	12.000	0.4724	0.072							
6203-1/2	12.700	0.5000	40.000	1.5748	12.000	0.4724	0.070							
6203-15	15.000	0.5906	40.000	1.5748	12.000	0.4724	0.067							
6203-5/8	15.875	0.6250	40.000	1.5748	12.000	0.4724	0.066							
6203-16	16.000	0.6299	40.000	1.5748	12.000	0.4724	0.066							
6203-16.5	16.500	0.6496	40.000	1.5748	12.000	0.4724	0.066							
6203-3/4	19.050	0.7500	40.000	1.5748	12.000	0.4724	0.064							
6204	20.000	0.7874	47.000	1.8504	14.000	0.5512	0.106	1A20	204K	1204	204-S	3204	204	6204
6204-16	16.000	0.6299	47.000	1.8504	14.000	0.5512	0.120							
6204-3/4	19.050	0.7500	47.000	1.8504	14.000	0.5512	0.110							
6204-7/8	22.225	0.8750	47.000	1.8504	14.000	0.5512	0.096							
62/22	22.000	0.8661	50.000	1.9685	14.000	0.5512	0.119	1A22						62/22
6205	25.000	0.9843	52.000	2.0472	15.000	0.5906	0.128	2A25	205K	1205	205-S	3205	205	6205
6205-20	20.000	0.7874	52.000	2.0472	15.000	0.5906	0.140							
6205-7/8	22.225	0.8750	52.000	2.0472	15.000	0.5906	0.137							
6205-1	25.400	1.0000	52.000	2.0472	15.000	0.5906	0.128							
62/28	28.000	1.1024	58.000	2.2835	16.000	0.6299	0.174	2A28						62/28
6206	30.000	1.1811	62.000	2.4409	16.000	0.6299	0.199	3A30	206K	1206	206-S	3206	206	6206
6207	35.000	1.3780	72.000	2.8346	17.000	0.6693	0.275	4A	207K	1207	207-S	3207	207	6207
6208	40.000	1.5748	80.000	3.1496	18.000	0.7087	0.366	5A	208K	1208	208-S	3208	208	6208

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 62200**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>62200</b>	10.000	0.3937	30.000	1.1811	14.000	0.5512	0.045
<b>62201</b>	12.000	0.4724	32.000	1.2598	14.000	0.5512	0.049
<b>62202</b>	15.000	0.5906	35.000	1.3780	14.000	0.5512	0.054
<b>62203</b>	17.000	0.6693	40.000	1.5748	16.000	0.6299	0.086
<b>62204</b>	20.000	0.7874	47.000	1.8504	18.000	0.7087	0.128
<b>62205</b>	25.000	0.9843	52.000	2.0472	18.000	0.7087	0.145
<b>62206</b>	30.000	1.1811	62.000	2.4409	20.000	0.7874	0.239

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.



**DEEP GROOVE BALL BEARINGS  
SERIES W6200**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>W6200</b>	10.000	0.3937	30.000	1.1811	14.288	0.5625	0.046
<b>W6201</b>	12.000	0.4724	32.000	1.2598	15.875	0.6250	0.054
<b>W6202</b>	15.000	0.5906	35.000	1.3780	15.875	0.6250	0.068
<b>W6203</b>	17.000	0.6693	40.000	1.5748	17.463	0.6875	0.093
<b>W6204</b>	20.000	0.7874	47.000	1.8504	20.638	0.8125	0.148
<b>W6205</b>	25.000	0.9843	52.000	2.0472	20.638	0.8125	0.175
<b>W6206</b>	30.000	1.1811	62.000	2.4409	23.813	0.9375	0.286

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 6300**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange)						FAG SKF STEYR
	mm	inches	mm	inches	mm	inches		RIV	FAF	FED	MRC	ND	NH	
<b>6300</b>	10.000	0.3937	35.000	1.3780	11.000	0.4331	0.053	1B	300K	1300	300-S	3300	300	6300
<b>6301</b>	12.000	0.4724	37.000	1.4567	12.000	0.4724	0.060	2B	301K	1301	301-S	3301	301	6301
<b>6302</b>	15.000	0.5906	42.000	1.6535	13.000	0.5118	0.082	3B	302K	1302	302-S	3302	302	6302
<b>6303</b>	17.000	0.6693	47.000	1.8504	14.000	0.5512	0.115	4B	303K	1303	303-S	3303	303	6303
<b>6304</b>	20.000	0.7874	52.000	2.0472	15.000	0.5906	0.144	5B	304K	1304	304-S	3304	304	6304
<b>63/22</b>	22.000	0.8661	56.000	2.2047	16.000	0.6299	0.178	5B22						63/22
<b>6305</b>	25.000	0.9843	62.000	2.4409	17.000	0.6693	0.232	6B	305K	1305	305-S	3305	305	6305

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 62300**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>62300</b>	10.000	0.3937	35.000	1.3780	17.000	0.6693	0.064
<b>62301</b>	12.000	0.4724	37.000	1.4567	17.000	0.6693	0.083
<b>62302</b>	15.000	0.5906	42.000	1.6535	17.000	0.6693	0.109
<b>62303</b>	17.000	0.6693	47.000	1.8504	19.000	0.7480	0.145
<b>62304</b>	20.000	0.7874	52.000	2.0472	21.000	0.8268	0.195
<b>62305</b>	25.000	0.9843	62.000	2.4409	24.000	0.9449	0.316

Note:

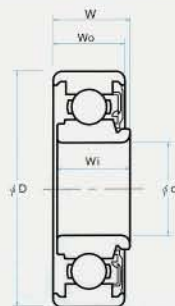
- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**DEEP GROOVE BALL BEARINGS  
SERIES 63300**

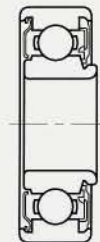
KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>63300</b>	10.000	0.3937	35.000	1.3780	19.050	0.7500	0.107
<b>63301</b>	12.000	0.4724	37.000	1.4567	19.050	0.7500	0.115
<b>63302</b>	15.000	0.5906	42.000	1.6535	19.050	0.7500	0.155
<b>63303</b>	17.000	0.6693	47.000	1.8504	22.225	0.8750	0.178
<b>63304</b>	20.000	0.7874	52.000	2.0472	22.225	0.8750	0.215
<b>63305</b>	25.000	0.9843	62.000	2.4409	25.400	1.0000	0.312

Note:

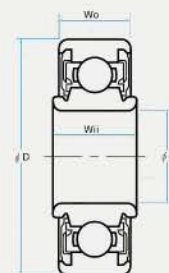
- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.



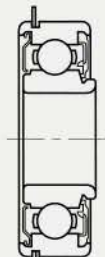
SINGLE SEALED  
8000  
SERIES



SHIELDED & SEALED  
87000  
SERIES



DOUBLE SEALED  
88000  
SERIES



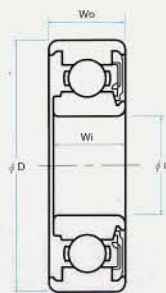
87000  
SERIES  
SNAP RING

# KSK DEEP GROOVE BALL BEARINGS

## SERIES 8000,87000&88000

### DEEP GROOVE BALL BEARINGS SERIES 8000,87000&88000

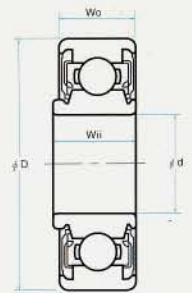
KSK Bearing Number			Bore		Out.Dia.		Width							
8000	87000	88000	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8036	87036		6.000	0.2362	19.000	0.7480	10.319	0.4063	8.000	0.3150	9.804	0.3860		
8006	87006		6.000	0.2362	24.000	0.9449	10.319	0.4063	8.000	0.3150	9.804	0.3860		
8037	87037	88037	7.000	0.2756	22.000	0.8661	10.319	0.4063	8.000	0.3150	9.804	0.3860	12.624	0.4970
8007	87007	88007	7.000	0.2756	24.000	0.9449	10.319	0.4063	8.000	0.3150	9.804	0.3860	12.624	0.4970
8038	87038	88038	8.000	0.3150	22.000	0.8661	10.319	0.4063	8.000	0.3150	9.804	0.3860	12.624	0.4970
8008	87008	88008	8.000	0.3150	24.000	0.9449	10.319	0.4063	8.000	0.3150	9.804	0.3860	12.624	0.4970
8039	87039	88039	9.000	0.3543	26.000	1.0236	10.319	0.4063	8.000	0.3150	9.804	0.3860	12.624	0.4970
8009	87009	88009	9.000	0.3543	30.000	1.1811	12.700	0.5000	9.000	0.3543	12.192	0.4800	16.401	0.6457
8500	87500	88500	10.000	0.3937	30.000	1.1811	12.700	0.5000	9.000	0.3543	12.192	0.4800	16.401	0.6457
8011	87011	88011	11.000	0.4331	32.000	1.2598	12.700	0.5000	10.000	0.3937	12.192	0.4800	15.400	0.6063
8501	87501	88501	12.000	0.4724	32.000	1.2598	12.700	0.5000	10.000	0.3937	12.192	0.4800	15.400	0.6063
8013	87013	88013	13.000	0.5118	32.000	1.2598	12.700	0.5000	10.000	0.3937	12.192	0.4800	15.400	0.6063
8014	87014	88014	14.000	0.5512	35.000	1.3780	12.700	0.5000	11.000	0.4331	12.192	0.4800	14.399	0.5669
8502	87502	88502	15.000	0.5906	35.000	1.3780	12.700	0.5000	11.000	0.4331	12.192	0.4800	14.399	0.5669
8016	87016	88016	16.000	0.6299	35.000	1.3780	12.700	0.5000	11.000	0.4331	12.192	0.4800	14.399	0.5669
8602	87602	88602	15.000	0.5906	42.000	1.6535	15.000	0.5906	13.000	0.5118	14.000	0.5512	17.000	0.6693
8503	87503	88503	17.000	0.6693	40.000	1.5748	14.288	0.5625	12.000	0.4724	13.665	0.5380	16.601	0.6536
8603	87603	88603	17.000	0.6693	47.000	1.8504	16.000	0.6299	14.000	0.5512	15.000	0.5906	18.000	0.7087
8504	87504	88504	20.000	0.7874	47.000	1.8504	15.875	0.6250	14.000	0.5512	15.240	0.6000	17.750	0.6988
8604	87604	88604	20.000	0.7874	52.000	2.0472	19.000	0.7480	15.000	0.5906	18.000	0.7087	23.000	0.9055
8505	87505	88505	25.000	0.9843	52.000	2.0472	15.875	0.6250	15.000	0.5906	15.240	0.6000	16.749	0.6594
8026	87026	88026	26.000	1.0236	52.000	2.0472	15.875	0.6250	15.000	0.5906	15.240	0.6000	16.749	0.6594
8506	87506	88506	30.000	1.1811	62.000	2.4409	20.000	0.7874	16.000	0.6299	19.000	0.7480	24.000	0.9449



SINGLE SEALED  
WC8000  
SERIES



SHIELDED & SEALED  
WC87000  
SERIES



DOUBLE SEALED  
WC88000  
SERIES

# KSK DEEP GROOVE BALL BEARINGS

# SERIES WC8000,WC87000&WC88000

## DEEP GROOVE BALL BEARINGS SERIES WC8000,WC87000 &WC88000

KSK Bearing Number			Bore d		Out.Dia. D		Wi		Width Wii		Wo	
WC8000	WC87000	WC88000	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
WC8007	WC87007	WC88007	7.000	0.2756	24.000	0.9449	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8008	WC87008	WC88008	8.000	0.3150	24.000	0.9449	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8009	WC87009	WC88009	9.000	0.3543	30.000	1.1811	12.192	0.4800	16.401	0.6457	12.700	0.5000
WC8011	WC87011	WC88011	11.000	0.4331	32.000	1.2598	12.192	0.4800	15.400	0.6063	12.700	0.5000
WC8013	WC87013	WC88013	13.000	0.5118	32.000	1.2598	12.192	0.4800	15.400	0.6063	12.700	0.5000
WC8014	WC87014	WC88014	14.000	0.5512	35.000	1.3780	12.192	0.4800	14.399	0.5669	12.700	0.5000
WC8016	WC87016	WC88016	16.000	0.6299	35.000	1.3780	12.192	0.4800	14.399	0.5669	12.700	0.5000
WC8026	WC87026	WC88026	26.000	1.0236	52.000	2.0472	15.240	0.6000	16.749	0.6594	15.875	0.6250
WC8035	WC87035	WC88035	5.000	0.1969	19.000	0.7480	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8036	WC87036	WC88036	6.000	0.2362	19.000	0.7480	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8037	WC87037	WC88037	7.000	0.2756	22.000	0.8661	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8038	WC87038	WC88038	8.000	0.3150	22.000	0.8661	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8039	WC87039	WC88039	9.000	0.3543	26.000	1.0236	9.804	0.3860	12.624	0.4970	10.319	0.4063
WC8500	WC87500	WC88500	10.000	0.3937	30.000	1.1811	12.192	0.4800	16.401	0.6457	12.700	0.5000
WC8501	WC87501	WC88501	12.000	0.4724	32.000	1.2598	12.192	0.4800	15.400	0.6063	12.700	0.5000
WC8502	WC87502	WC88502	15.000	0.5906	35.000	1.3780	12.192	0.4800	14.399	0.5669	12.700	0.5000
WC8503	WC87503	WC88503	17.000	0.6693	40.000	1.5748	13.665	0.5380	16.601	0.6536	14.288	0.5625
WC8504	WC87504	WC88504	20.000	0.7874	47.000	1.8504	15.240	0.6000	17.750	0.6988	15.875	0.6250
WC8505	WC87505	WC88505	25.000	0.9843	52.000	2.0472	15.240	0.6000	16.749	0.6594	15.875	0.6250
WC8506	WC87506	WC88506	30.000	1.1811	62.000	2.4409	19.000	0.7480	24.000	0.9449	20.000	0.7874

### DEEP GROOVE BALL BEARINGS SERIES 1600

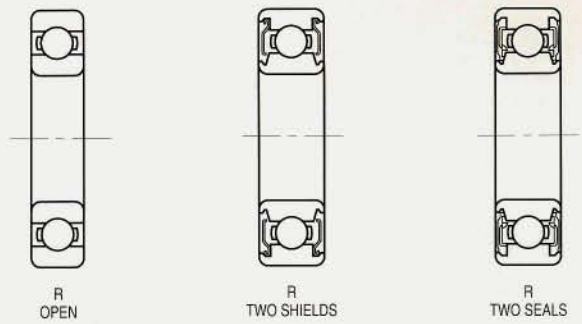
KSK Bearing Number	Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	(Interchange)	
	mm	inches	mm	inches	mm	inches		Federal Schätz	Nice
1602	6.350	0.2500	17.462	0.6875	6.350	0.2500	0.008	BR-02	1602 NS
1603	7.938	0.3125	22.225	0.8750	**7.142	0.2812	0.016	BR-03	1603 NS
1604	9.525	0.3750	22.225	0.8750	**7.144	0.2813	0.014	BR-04	1604 NS
1605	7.938	0.3125	23.017	0.9062	7.938	0.3125	0.018	BR-05	1605 NS
1606	9.525	0.3750	23.017	0.9062	7.938	0.3125	0.016	BR-06	1606 NS
1607	11.113	0.4375	23.017	0.9062	7.938	0.3125	0.014	BR-07	1607 NS
1614	9.525	0.3750	28.575	1.1250	9.525	0.3750	0.028	BR-14	1614 NS
1615	11.113	0.4375	28.575	1.1250	9.525	0.3750	0.027	BR-15	1615 NS
1616	12.700	0.5000	28.575	1.1250	9.525	0.3750	0.025	BR-16	1616 NS
1619	9.525	0.3750	34.925	1.3750	11.113	0.4375	0.052		
1620	11.113	0.4375	34.925	1.3750	11.113	0.4375	0.053	BR-20	1620 NS
1621	12.700	0.5000	34.925	1.3750	11.113	0.4375	0.048	BR-21	1621 NS
1622	14.288	0.5625	34.925	1.3750	11.113	0.4375	0.046	BR-22	1622 NS
1623	15.875	0.6250	34.925	1.3750	11.113	0.4375	0.043	BR-23	1623 NS
1628	15.875	0.6250	41.275	1.6250	12.700	0.5000	0.078	BR-28	1628 NS
1630	19.050	0.7500	41.275	1.6250	12.700	0.5000	0.065	BR-30	1630 NS
1633	15.875	0.6250	44.450	1.7500	12.700	0.5000	0.092	BR-33	1633 NS
1635	19.050	0.7500	44.450	1.7500	12.700	0.5000	0.085	BR-35	1635 NS
1638	19.050	0.7500	50.800	2.0000	14.288	0.5625	0.115	BR-38	1638 NS
1640	22.225	0.8750	50.800	2.0000	14.288	0.5625	0.121	BR-40	1640 NS
1641	25.400	1.0000	50.800	2.0000	14.288	0.5625	0.105	BR-41	1641 NS
1652	28.575	1.1250	63.500	2.5000	15.875	0.6250	0.210	BR-52	1652 NS
1654	31.750	1.2500	63.500	2.5000	15.875	0.6250	0.190	BR-54	1654 NS

\*Width sealed = 7.938mm

\*\*Width sealed = 8.731mm

**Note:**

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.



# KSK DEEP GROOVE BALL BEARINGS

## SERIES R

### DEEP GROOVE BALL BEARINGS SERIES R

KSK Bearing Number	Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	(Interchange)				
	mm	inches	mm	inches	mm	inches		FAF	MRC	ND	SKF(Eur.)	FAG
<b>R6 (EE 3)</b>	9.525	0.3750	22.225	0.8750	5.556	0.2187	0.009	S3K	R-6	R-6	EE-3	R-6
<b>R8 (EE 4)</b>	12.700	0.5000	28.575	1.1250	6.350	0.2500	0.019	S5K	R-8	R-8	EE-4	R-8
<b>R10 (EE 5)</b>	15.875	0.6250	34.925	1.3750	7.144	0.2813	0.030	S7K	R-10	R-10	EE-5	R-10
<b>R12 (EE 6)</b>	19.050	0.7500	41.275	1.6250	7.938	0.3125	0.047	S8K	R-12	R-12	EE-6	R-12
<b>R14 (EE 8)</b>	22.225	0.8750	47.625	1.8750	9.525	0.3750	0.070	S9K	R-14	R-14	EE-8	R-14
<b>R16 (EE 9)</b>	25.400	1.0000	50.800	2.0000	9.525	0.3750	0.085	S10K	R-16	R-16	EE-9	R-16
<b>R18 (EE10)</b>	28.575	1.1250	53.975	2.1250	9.525	0.3750	0.091	S11K	R-18	R-18	EE-10	R-18
<b>R20 (EE11)</b>	31.750	1.2500	57.150	2.2500	9.525	0.3750	0.096	S12K	R-20	R-20	EE-11	R-20
<b>R22 (EE12)</b>	34.925	1.3750	63.500	2.5000	11.113	0.4375	0.154			R-22	EE-12	R-22
<b>R24 (EE13)</b>	38.100	1.5000	66.675	2.6250	11.113	0.4375	0.172		R-24	R-24	EE-13	R-24

### SERIES R (TWO SHIELDS)

KSK Bearing Number	Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	(Interchange)				
	mm	inches	mm	inches	mm	inches		FAF	MRC	ND	SKF(Eur.)	FAG
<b>R 6 ZZ (77R6)</b>	9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	S3KDD	R-6FF	77R-6	R6.2Z	R6.2Z
<b>R 8 ZZ (77R8)</b>	12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	S5KDD	R-8FF	77R-8	R8.2Z	R8.2Z
<b>R10 ZZ (77R10)</b>	15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	S7KDD	R-10FF	77R-10	R10.2Z	R10.2Z
<b>R12 ZZ (77R12)</b>	19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	S8KDD	R-12FF	77R-12	R12.2Z	R12.2Z
<b>R14 ZZ (77R14)</b>	22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097	S9KDD	R-14FF	77R-14	R14.2Z	R14.2Z
<b>R16 ZZ (77R16)</b>	25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097	S10KDD	R-16FF	77R-16	R16.2Z	R16.2Z
<b>R18 ZZ (77R18)</b>	28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122		R-18FF	77R-18	R18.2Z	R18.2Z
<b>R20 ZZ (77R20)</b>	31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125		R-20FF		R20.2Z	R20.2Z
<b>R22 ZZ (77R22)</b>	34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209			77R-22	R22.2Z	R22.2Z
<b>R24 ZZ (77R24)</b>	38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231		R-24FF		R24.2Z	R24.2Z

### SERIES R (TWO SEALS)

KSK Bearing Number	Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	(Interchange)				
	mm	inches	mm	inches	mm	inches		FAF	MRC	ND	SKF(Eur.)	FAG
<b>R4A 2RS (99R4A)</b>	6.350	0.2500	19.050	0.7500	7.144	0.2813	0.009	S1PP		Z99R-4A	R4A.2RS	R4A.2RS
<b>R 6 2RS (99R6)</b>	9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	S3PP	R-6ZZ	Z99R-6	R6.2RS	R6.2RS
<b>R 8 2RS (99R8)</b>	12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	S5PP	R-8ZZ	Z99R-8	R8.2RS	R8.2RS
<b>R10 2RS (99R10)</b>	15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	S7PP	R-10ZZ	Z99R-10	R10.2RS	R10.2RS
<b>R12 2RS (99R12)</b>	19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	S8PP	R-12ZZ	Z99R-12	R12.2RS	R12.2RS
<b>R14 2RS (99R14)</b>	22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097			Z99R-14	R14.2RS	R14.2RS
<b>R16 2RS (99R16)</b>	25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097		R-16ZZ	Z99R-16	R16.2RS	R16.2RS
<b>R18 2RS (99R18)</b>	28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122			Z99R-18	R18.2RS	R18.2RS
<b>R20 2RS (99R20)</b>	31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125		R-20ZZ		R20.2RS	R20.2RS
<b>R22 2RS (99R22)</b>	34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209			Z99R-22	R22.2RS	R22.2RS
<b>R24 2RS (99R24)</b>	38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231				R24.2RS	R24.2RS





## BRIEF INTRODUCTION OF "KSK" BRAND STAINLESS STEEL BALL BEARINGS

Following is a brief introduction of our "KSK" brand JIS SUS440C stainless steel (hereinafter called SUS440C stainless steel) ball bearings:

### (1) Applications

"KSK" brand SUS440C stainless steel ball bearings show better performance in comparison with JIS SUJ2 (SAE52100) high carbon chrome steel ball bearings.

Mentioned below are some of the applications where "KSK" brand SUS440C stainless steel ball bearings may help you solve your problems.

- (1-a) where high carbon chrome steel ball bearings rust quickly.
- (1-b) where chemicals are used near ball bearings.
- (1-c) machines where ball bearings exist and are washed with water and/or chemical solutions.
- (1-d) where ball bearings are used at high temperatures.

### (2) Advantages of SUS440C stainless steel over SUJ2 high carbon chrome steel

- (2-a) stability against corrosion.
- (2-b) stability up to high temperatures (about 50°C higher than that of SUJ2 high carbon chrome steel).
- (2-c) stability against chemicals.

### (3) Materials used

JIS SUS440C (AISI 440C) stainless steel ----- inner ring, outer ring and ball.  
 JIS SUS304 stainless steel ----- shield (Z) and retainer.  
 Nitrile rubber (NBR) ----- rubber seal (RS).

For high temperature applications, most types are available with polyacrylic rubber seals, teflon seals, or viton seals.

Chemical composition of JIS SUS440C martensitic stainless steel

C	Si	Mn	P	S	Cr	Ni	Mo
0.95 ~ 1.20	1.00Max.	1.00Max.	0.040Max.	0.030Max.	16.00 ~ 18.00	0.6Max.	0.75Max.

Hardness of inner- and outer-ring: HRc 55-64.

SUS440C STAINLESS STEEL IS NOT NON-MAGNETIC.

### (4) Quality

JIS-0 or superior grade is guaranteed for dimensional and rotational precision.

ABEC-5 is also available upon request.

### (5) Heat-treatment

In order to keep secular changes in dimensions as minimal as possible and also to improve wear and abrasion resistance, all inner- and outer-rings of "KSK" SUS440C stainless steel ball bearings are subzero-treated and tempered after being hardened in vacuum heat-treatment furnaces.

**(6) Lubrication**

Lubricant is a very important factor for high performance of ball bearings.

Standard grease for "KSK" SUS440C stainless steel shielded and sealed ball bearings is "Chevron SRI-2".

We, at "KSK", have various types of grease available to meet our customers' special requirements.

**(7) Corrosion-resistance**

The following table shows the difference in corrosion-resistance between SUS440C stainless steel and SUJ2 high carbon chrome steel.

Agent	Condition	Temperature	SUS440C	SUJ2
Carbon tetrachloride	dry / wet	room temperature	NA	GA
Acetone		room temperature	NA	ND
Naphtha		room temperature	NA	ND
Natural water		room temperature	NA	GA
Sea water		room temperature	SA	GA
	50% solution	room temperature / boiling point	NA	GA
Air		room temperature	NA	SA
Sea air		room temperature	NA	GA
Vapor		100°C	NA	GA
Chlorine gas	dry	room temperature	SA	SA
	wet	100°C	GA	GA
Hydrogen chloride gas	dry		NA	SA
	wet		NA	SA
Sulphurous acid gas	dry		NA	GA
	wet		NA	GA
Carbon dioxide			NA	GA
Hydrochloric acid	75% solution		GA	GA
Sulphuric acid	50% solution	room temperature / boiling point	GA	GA
	concentrated	room temperature	NA	SA
	concentrated	boiling point	GA	GA
Nitric acid	concentrated	room temperature	NA	GA
	concentrated	boiling point	GA	GA
Hydrogen peroxide			NA	SA
Acetic acid			NA	GA

**Note:** "NA" shows "not affected", "SL" "slightly affected", "GA" "greatly affected", and "ND" "no data".

Corrosion-resistance saves time, energy and resources which you cannot afford to waste!

Please give our ball bearings a try and you will be convinced that you have chosen wisely.

**STAINLESS STEEL BALL BEARINGS  
SERIES SS600**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>SS635</b>	5.000	0.1969	19.000	0.7480	6.000	0.2362	0.008
<b>SS626</b>	6.000	0.2362	19.000	0.7480	6.000	0.2362	0.008
<b>SS636</b>	6.000	0.2362	22.000	0.8661	7.000	0.2756	0.014
<b>SS607</b>	7.000	0.2756	19.000	0.7480	6.000	0.2362	0.008
<b>SS627</b>	7.000	0.2756	22.000	0.8661	7.000	0.2756	0.013
<b>SS637</b>	7.000	0.2756	26.000	1.0236	9.000	0.3543	0.024
<b>SS608</b>	8.000	0.3150	22.000	0.8661	7.000	0.2756	0.012
<b>SS628</b>	8.000	0.3150	24.000	0.9449	8.000	0.3150	0.015
<b>SS638</b>	8.000	0.3150	28.000	1.1024	9.000	0.3543	0.028
<b>SS609</b>	9.000	0.3543	24.000	0.9449	7.000	0.2756	0.014
<b>SS629</b>	9.000	0.3543	26.000	1.0236	8.000	0.3150	0.020
<b>SS639</b>	9.000	0.3543	30.000	1.1811	10.000	0.3937	0.035

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**STAINLESS STEEL BALL BEARINGS  
SERIES SS6800**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>SS6800</b>	10.000	0.3937	19.000	0.7480	5.000	0.1969	0.008
<b>SS6801</b>	12.000	0.4724	21.000	0.8268	5.000	0.1969	0.009
<b>SS6802</b>	15.000	0.5906	24.000	0.9449	5.000	0.1969	0.009
<b>SS6803</b>	17.000	0.6693	26.000	1.0236	5.000	0.1969	0.009
<b>SS6804</b>	20.000	0.7874	32.000	1.2598	7.000	0.2756	0.018
<b>SS6805</b>	25.000	0.9843	37.000	1.4567	7.000	0.2756	0.023
<b>SS6806</b>	30.000	1.1811	42.000	1.6535	7.000	0.2756	0.027
<b>SS6807</b>	35.000	1.3780	47.000	1.8504	7.000	0.2756	0.030
<b>SS6808</b>	40.000	1.5748	52.000	2.0472	7.000	0.2756	0.035
<b>SS6809</b>	45.000	1.7717	58.000	2.2835	7.000	0.2756	0.040

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**STAINLESS STEEL BALL BEARINGS  
SERIES SS6900**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)
	mm	inches	mm	inches	mm	inches	
<b>SS6900</b>	10.000	0.3937	22.000	0.8661	6.000	0.2362	0.009
<b>SS6901</b>	12.000	0.4724	24.000	0.9449	6.000	0.2362	0.011
<b>SS6902</b>	15.000	0.5906	28.000	1.1024	7.000	0.2756	0.016
<b>SS6903</b>	17.000	0.6693	30.000	1.1811	7.000	0.2756	0.017
<b>SS6904</b>	20.000	0.7874	37.000	1.4567	9.000	0.3543	0.035
<b>SS6905</b>	25.000	0.9843	42.000	1.6535	9.000	0.3543	0.042
<b>SS6906</b>	30.000	1.1811	47.000	1.8504	9.000	0.3543	0.048
<b>SS6907</b>	35.000	1.3780	55.000	2.1654	10.000	0.3937	0.074
<b>SS6908</b>	40.000	1.5748	62.000	2.4409	12.000	0.4724	0.112

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**STAINLESS STEEL BALL BEARINGS  
SERIES SS6000**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange) FAG
	mm	inches	mm	inches	mm	inches		
<b>SS6000</b>	10.000	0.3937	26.000	1.0236	8.000	0.3150	0.019	S6000W203B
<b>SS6001</b>	12.000	0.4724	28.000	1.1024	8.000	0.3150	0.022	S6001W203B
<b>SS6002</b>	15.000	0.5906	32.000	1.2598	9.000	0.3543	0.030	S6002W203B
<b>SS6003</b>	17.000	0.6693	35.000	1.3780	10.000	0.3937	0.039	S6003W203B
<b>SS6004</b>	20.000	0.7874	42.000	1.6535	12.000	0.4724	0.069	S6004W203B
<b>SS6005</b>	25.000	0.9843	47.000	1.8504	12.000	0.4724	0.080	S6005W203B
<b>SS6006</b>	30.000	1.1811	55.000	2.1654	13.000	0.5118	0.116	S6006W203B
<b>SS6007</b>	35.000	1.3780	62.000	2.4409	14.000	0.5512	0.155	S6007W203B
<b>SS6008</b>	40.000	1.5748	68.000	2.6772	15.000	0.5906	0.191	S6008W203B
<b>SS6009</b>	45.000	1.7717	75.000	2.9528	16.000	0.6299	0.241	S6009W203B

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

**STAINLESS STEEL BALL BEARINGS  
SERIES SS6200**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange)			
	mm	inches	mm	inches	mm	inches		FAF	FAG	MRC	ND
<b>SS6200</b>	10.000	0.3937	30.000	1.1811	9.000	0.3543	0.032	A200K	S6200W203B	200-S-ST	SS3200
<b>SS6201</b>	12.000	0.4724	32.000	1.2598	10.000	0.3937	0.037	A201K	S6201W203B	201-S-ST	SS3201
<b>SS6202</b>	15.000	0.5906	35.000	1.3780	11.000	0.4331	0.048	A202K	S6202W203B	202-S-ST	SS3202
<b>SS6203</b>	17.000	0.6693	40.000	1.5748	12.000	0.4724	0.065	A203K	S6203W203B	203-S-ST	SS3203
<b>SS6204</b>	20.000	0.7874	47.000	1.8504	14.000	0.5512	0.106	A204K	S6204W203B	204-S-ST	SS3204
<b>SS6205</b>	25.000	0.9843	52.000	2.0472	15.000	0.5906	0.128	A205K	S6205W203B	205-S-ST	SS3205
<b>SS6206</b>	30.000	1.1811	62.000	2.4409	16.000	0.6299	0.199	A206K	S6206W203B	206-S-ST	SS3206
<b>SS6207</b>	35.000	1.3780	72.000	2.8346	17.000	0.6693	0.275		S6207W203B		
<b>SS6208</b>	40.000	1.5748	80.000	3.1496	18.000	0.7087	0.366	A208K	S6208W203B		

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.

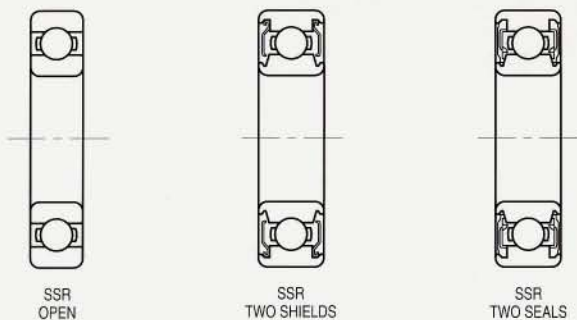
**STAINLESS STEEL BALL BEARINGS  
SERIES SS6300**

KSK Bearing Number	Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	(Interchange) FAG
	mm	inches	mm	inches	mm	inches		
<b>SS6300</b>	10.000	0.3937	35.000	1.3780	11.000	0.4331	0.053	S6300W230B
<b>SS6301</b>	12.000	0.4724	37.000	1.4567	12.000	0.4724	0.060	S6301W203B
<b>SS6302</b>	15.000	0.5906	42.000	1.6535	13.000	0.5118	0.082	S6302W203B
<b>SS6303</b>	17.000	0.6693	47.000	1.8504	14.000	0.5512	0.115	S6303W203B
<b>SS6304</b>	20.000	0.7874	52.000	2.0472	15.000	0.5906	0.144	S6304W203B
<b>SS6305</b>	25.000	0.9843	62.000	2.4409	17.000	0.6693	0.232	S6305W203B

Note:

- (1) Also available double shielded (ZZ) and double sealed (2RS). No change in width dimensions.
- (2) C3 and C4 radial clearances are available on all of the above sizes.
- (3) Also available in ABEC 3 and 5 precision. Consult for availability.





# KSK STAINLESS STEEL BALL BEARINGS

## SERIES SSR

### STAINLESS STEEL BALL BEARINGS SERIES SSR

KSK Bearing Number	Bore $d$		Out.Dia. $D$		Width $B$		Approx. Net Weight (kg)	(Interchange)		
	mm	inches	mm	inches	mm	inches		FAF	ND	MRC
<b>SSR6</b>	9.525	0.3750	22.225	0.8750	5.556	0.2187	0.009	AS3K	SSR-6	R-6-ST
<b>SSR8</b>	12.700	0.5000	28.575	1.1250	6.350	0.2500	0.019	AS5K	SSR-8	R-8-ST
<b>SSR10</b>	15.875	0.6250	34.925	1.3750	7.144	0.2813	0.030	AS7K	SSR-10	R-10-ST
<b>SSR12</b>	19.050	0.7500	41.275	1.6250	7.938	0.3125	0.047	AS8K	SSR-12	R-12-ST
<b>SSR14</b>	22.225	0.8750	47.625	1.8750	9.525	0.3750	0.070		SSR-14	R-14-ST
<b>SSR16</b>	25.400	1.0000	50.800	2.0000	9.525	0.3750	0.085		SSR-16	R-16-ST
<b>SSR18</b>	28.575	1.1250	53.975	2.1250	9.525	0.3750	0.091			
<b>SSR20</b>	31.750	1.2500	57.150	2.2500	9.525	0.3750	0.096			
<b>SSR22</b>	34.925	1.3750	63.500	2.5000	11.113	0.4375	0.154			
<b>SSR24</b>	38.100	1.5000	66.675	2.6250	11.113	0.4375	0.172			

### SERIES SSR (TWO SHIELDS)

KSK Bearing Number	Bore $d$		Out.Dia. $D$		Width $B$		Approx. Net Weight (kg)	(Interchange)		
	mm	inches	mm	inches	mm	inches		FAF	ND	MRC
<b>SSR 6 ZZ (SS77R6)</b>	9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	AS3KDD	SS77R-6	R-6FF-ST
<b>SSR 8 ZZ (SS77R8)</b>	12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	AS5KDD	SS77R-8	R-8FF-ST
<b>SSR10 ZZ (SS77R10)</b>	15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	AS7KDD	SS77R-10	R-10FF-ST
<b>SSR12 ZZ (SS77R12)</b>	19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	AS8KDD	SS77R-12	R-12FF-ST
<b>SSR14 ZZ (SS77R14)</b>	22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097		SS77R-14	R-14FF-ST
<b>SSR16 ZZ (SS77R16)</b>	25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097		SS77R-16	R-16FF-ST
<b>SSR18 ZZ (SS77R18)</b>	28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122			
<b>SSR20 ZZ (SS77R20)</b>	31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125			
<b>SSR22 ZZ (SS77R22)</b>	34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209			
<b>SSR24 ZZ (SS77R24)</b>	38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231			

### SERIES SSR (TWO SEALS)

KSK Bearing Number	Bore $d$		Out.Dia. $D$		Width $B$		Approx. Net Weight (kg)	(Interchange)		
	mm	inches	mm	inches	mm	inches		FAF	ND	MRC
<b>SSR4A 2RS (SS99R4A)</b>	6.350	0.2500	19.050	0.7500	7.144	0.2813	0.009	AS1PP	SSZ99R-4A	
<b>SSR 6 2RS (SS99R6)</b>	9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	AS3PP	SSZ99R-6	R-6ZZ-ST
<b>SSR 8 2RS (SS99R8)</b>	12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	AS5PP	SSZ99R-8	R-8ZZ-ST
<b>SSR10 2RS (SS99R10)</b>	15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	AS7PP	SSZ99R-10	R-10ZZ-ST
<b>SSR12 2RS (SS99R12)</b>	19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	AS8PP	SSZ99R-12	R-12ZZ-ST
<b>SSR14 2RS (SS99R14)</b>	22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097		SSZ99R-14	
<b>SSR16 2RS (SS99R16)</b>	25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097		SSZ99R-16	R16ZZ-ST
<b>SSR18 2RS (SS99R18)</b>	28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122			
<b>SSR20 2RS (SS99R20)</b>	31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125			
<b>SSR22 2RS (SS99R22)</b>	34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209			
<b>SSR24 2RS (SS99R24)</b>	38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231			



# KSK DEEP GROOVE BALL BEARINGS

METRIC SIZE

## DEEP GROOVE BALL BEARINGS METRIC SIZE

Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	KSK Bearing Number
mm	inches	mm	inches	mm	inches		
5.000	0.1969	19.000	0.7480	6.000	0.2362	0.008	<b>635</b>
6.000	0.2362	19.000	0.7480	6.000	0.2362	0.008	<b>626</b>
6.000	0.2362	22.000	0.8661	7.000	0.2756	0.014	<b>636</b>
7.000	0.2756	19.000	0.7480	6.000	0.2362	0.008	<b>607</b>
7.000	0.2756	22.000	0.8661	7.000	0.2756	0.013	<b>627</b>
7.000	0.2756	26.000	1.0236	9.000	0.3543	0.024	<b>637</b>
8.000	0.3150	22.000	0.8661	7.000	0.2756	0.012	<b>608</b>
8.000	0.3150	24.000	0.9449	8.000	0.3150	0.015	<b>628</b>
8.000	0.3150	28.000	1.1024	9.000	0.3543	0.028	<b>638</b>
9.000	0.3543	24.000	0.9449	7.000	0.2756	0.014	<b>609</b>
9.000	0.3543	26.000	1.0236	8.000	0.3150	0.020	<b>629</b>
9.000	0.3543	30.000	1.1811	10.000	0.3937	0.035	<b>639</b>
10.000	0.3937	19.000	0.7480	5.000	0.1969	0.008	<b>6800</b>
10.000	0.3937	22.000	0.8661	6.000	0.2362	0.009	<b>6900</b>
10.000	0.3937	26.000	1.0236	8.000	0.3150	0.019	<b>6000</b>
10.000	0.3937	26.000	1.0236	12.000	0.4724	0.027	<b>63000</b>
10.000	0.3937	28.000	1.1024	8.000	0.3150	0.022	<b>16100</b>
10.000	0.3937	30.000	1.1811	9.000	0.3543	0.032	<b>6200</b>
10.000	0.3937	30.000	1.1811	14.000	0.5512	0.045	<b>62200</b>
10.000	0.3937	30.000	1.1811	14.288	0.5625	0.046	<b>W6200</b>
10.000	0.3937	35.000	1.3780	11.000	0.4331	0.053	<b>6300</b>
10.000	0.3937	35.000	1.3780	17.000	0.6693	0.064	<b>62300</b>
10.000	0.3937	35.000	1.3780	19.050	0.7500	0.107	<b>63300</b>
12.000	0.4724	21.000	0.8268	5.000	0.1969	0.009	<b>6801</b>
12.000	0.4724	24.000	0.9449	6.000	0.2362	0.011	<b>6901</b>
12.000	0.4724	28.000	1.1024	7.000	0.2756	0.021	<b>16001</b>
12.000	0.4724	28.000	1.1024	8.000	0.3150	0.022	<b>6001</b>
12.000	0.4724	28.000	1.1024	12.000	0.4724	0.032	<b>63001</b>
12.000	0.4724	30.000	1.1811	8.000	0.3150	0.025	<b>16101</b>
12.000	0.4724	32.000	1.2598	10.000	0.3937	0.037	<b>6201</b>
12.000	0.4724	32.000	1.2598	14.000	0.5512	0.049	<b>62201</b>
12.000	0.4724	32.000	1.2598	15.875	0.6250	0.054	<b>W6201</b>
12.000	0.4724	35.000	1.3780	11.000	0.4331	0.048	<b>6202-12</b>
12.000	0.4724	37.000	1.4567	12.000	0.4724	0.060	<b>6301</b>
12.000	0.4724	37.000	1.4567	17.000	0.6693	0.083	<b>62301</b>
12.000	0.4724	37.000	1.4567	19.050	0.7500	0.115	<b>63301</b>
12.000	0.4724	40.000	1.5748	12.000	0.4724	0.072	<b>6203-12</b>
13.000	0.5118	30.000	1.1811	9.000	0.3543	0.030	<b>6200-13</b>
13.000	0.5118	32.000	1.2598	10.000	0.3937	0.036	<b>6201-13</b>
14.000	0.5512	35.000	1.3780	11.000	0.4331	0.047	<b>6202-14</b>

**DEEP GROOVE BALL BEARINGS  
METRIC SIZE**

Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	KSK Bearing Number
mm	inches	mm	inches	mm	inches		
15.000	0.5906	24.000	0.9449	5.000	0.1969	0.009	<b>6802</b>
15.000	0.5906	28.000	1.1024	7.000	0.2756	0.016	<b>6902</b>
15.000	0.5906	32.000	1.2598	8.000	0.3150	0.027	<b>16002</b>
15.000	0.5906	32.000	1.2598	9.000	0.3543	0.030	<b>6002</b>
15.000	0.5906	32.000	1.2598	13.000	0.5118	0.040	<b>63002</b>
15.000	0.5906	35.000	1.3780	11.000	0.4331	0.048	<b>6202</b>
15.000	0.5906	35.000	1.3780	14.000	0.5512	0.054	<b>62202</b>
15.000	0.5906	35.000	1.3780	15.875	0.6250	0.068	<b>W6202</b>
15.000	0.5906	40.000	1.5748	12.000	0.4724	0.067	<b>6203-15</b>
15.000	0.5906	42.000	1.6535	13.000	0.5118	0.082	<b>6302</b>
15.000	0.5906	42.000	1.6535	17.000	0.6693	0.109	<b>62302</b>
15.000	0.5906	42.000	1.6535	19.050	0.7500	0.155	<b>63302</b>
16.000	0.6299	35.000	1.3780	11.000	0.4331	0.043	<b>6202-16</b>
16.000	0.6299	40.000	1.5748	12.000	0.4724	0.066	<b>6203-16</b>
16.000	0.6299	47.000	1.8504	14.000	0.5512	0.120	<b>6204-16</b>
17.000	0.6693	26.000	1.0236	5.000	0.1969	0.009	<b>6803</b>
17.000	0.6693	30.000	1.1811	7.000	0.2756	0.017	<b>6903</b>
17.000	0.6693	35.000	1.3780	8.000	0.3150	0.032	<b>16003</b>
17.000	0.6693	35.000	1.3780	10.000	0.3937	0.039	<b>6003</b>
17.000	0.6693	35.000	1.3780	14.000	0.5512	0.050	<b>63003</b>
17.000	0.6693	40.000	1.5748	12.000	0.4724	0.065	<b>6203</b>
17.000	0.6693	40.000	1.5748	16.000	0.6299	0.086	<b>62203</b>
17.000	0.6693	40.000	1.5748	17.463	0.6875	0.093	<b>W6203</b>
17.000	0.6693	47.000	1.8504	14.000	0.5512	0.1115	<b>6303</b>
17.000	0.6693	47.000	1.8504	19.000	0.7480	0.145	<b>62303</b>
17.000	0.6693	47.000	1.8504	22.225	0.8750	0.178	<b>63303</b>
19.000	0.7480	37.000	1.4567	9.000	0.3543	0.036	<b>6904-19</b>
20.000	0.7874	32.000	1.2598	7.000	0.2756	0.018	<b>6804</b>
20.000	0.7874	37.000	1.4567	9.000	0.3543	0.035	<b>6904</b>
20.000	0.7874	42.000	1.6535	8.000	0.3150	0.048	<b>16004</b>
20.000	0.7874	42.000	1.6535	12.000	0.4724	0.069	<b>6004</b>
20.000	0.7874	42.000	1.6535	16.000	0.6299	0.086	<b>63004</b>
20.000	0.7874	47.000	1.8504	14.000	0.5512	0.106	<b>6204</b>
20.000	0.7874	47.000	1.8504	18.000	0.7087	0.128	<b>62204</b>
20.000	0.7874	47.000	1.8504	20.638	0.8125	0.148	<b>W6204</b>
20.000	0.7874	52.000	2.0472	15.000	0.5906	0.144	<b>6304</b>
20.000	0.7874	52.000	2.0472	15.000	0.5906	0.140	<b>6205-20</b>
20.000	0.7874	52.000	2.0472	21.000	0.8268	0.195	<b>62304</b>
20.000	0.7874	52.000	2.0472	22.225	0.8750	0.215	<b>63304</b>
22.000	0.8661	44.000	1.7323	12.000	0.4724	0.075	<b>60/22</b>

**DEEP GROOVE BALL BEARINGS  
METRIC SIZE**

Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	KSK Bearing Number
mm	inches	mm	inches	mm	inches		
22.000	0.8661	50.000	1.9685	14.000	0.5512	0.119	<b>62/22</b>
22.000	0.8661	56.000	2.2047	16.000	0.6299	0.178	<b>63/22</b>
25.000	0.9843	37.000	1.4567	7.000	0.2756	0.023	<b>6805</b>
25.000	0.9843	42.000	1.6535	9.000	0.3543	0.042	<b>6905</b>
25.000	0.9843	47.000	1.8504	8.000	0.3150	0.055	<b>16005</b>
25.000	0.9843	47.000	1.8504	12.000	0.4724	0.080	<b>6005</b>
25.000	0.9843	47.000	1.8504	16.000	0.6299	0.100	<b>63005</b>
25.000	0.9843	52.000	2.0472	15.000	0.5906	0.128	<b>6205</b>
25.000	0.9843	52.000	2.0472	18.000	0.7087	0.145	<b>62205</b>
25.000	0.9843	52.000	2.0472	20.638	0.8125	0.175	<b>W6205</b>
25.000	0.9843	62.000	2.4409	17.000	0.6693	0.232	<b>6305</b>
25.000	0.9843	62.000	2.4409	24.000	0.9449	0.316	<b>62305</b>
25.000	0.9843	62.000	2.4409	25.400	1.0000	0.312	<b>63305</b>
26.000	1.0236	47.000	1.8504	12.000	0.4724	0.077	<b>6005-26</b>
28.000	1.1024	52.000	2.0472	12.000	0.4724	0.095	<b>60/28</b>
28.000	1.1024	58.000	2.2835	16.000	0.6299	0.174	<b>62/28</b>
30.000	1.1811	42.000	1.6535	7.000	0.2756	0.027	<b>6806</b>
30.000	1.1811	47.000	1.8504	9.000	0.3543	0.048	<b>6906</b>
30.000	1.1811	55.000	2.1654	9.000	0.3543	0.084	<b>16006</b>
30.000	1.1811	55.000	2.1654	13.000	0.5118	0.116	<b>6006</b>
30.000	1.1811	55.000	2.1654	19.000	0.7480	0.159	<b>63006</b>
30.000	1.1811	62.000	2.4409	16.000	0.6299	0.199	<b>6206</b>
30.000	1.1811	62.000	2.4409	20.000	0.7874	0.239	<b>62206</b>
30.000	1.1811	62.000	2.4409	23.813	0.9375	0.286	<b>W6206</b>
32.000	1.2598	58.000	2.2835	13.000	0.5118	0.128	<b>60/32</b>
35.000	1.3780	47.000	1.8504	7.000	0.2756	0.030	<b>6807</b>
35.000	1.3780	55.000	2.1654	10.000	0.3937	0.074	<b>6907</b>
35.000	1.3780	62.000	2.4409	9.000	0.3543	0.114	<b>16007</b>
35.000	1.3780	62.000	2.4409	14.000	0.5512	0.155	<b>6007</b>
35.000	1.3780	62.000	2.4409	20.000	0.7874	0.209	<b>63007</b>
35.000	1.3780	72.000	2.8346	17.000	0.6693	0.275	<b>6207</b>
40.000	1.5748	52.000	2.0472	7.000	0.2756	0.035	<b>6808</b>
40.000	1.5748	62.000	2.4409	12.000	0.4724	0.112	<b>6908</b>
40.000	1.5748	68.000	2.6772	15.000	0.5906	0.191	<b>6008</b>
40.000	1.5748	80.000	3.1496	18.000	0.7087	0.366	<b>6208</b>
45.000	1.7717	58.000	2.2835	7.000	0.2756	0.040	<b>6809</b>
45.000	1.7717	75.000	2.9528	16.000	0.6299	0.241	<b>6009</b>



# KSK DEEP GROOVE BALL BEARINGS

INCH SIZE

## DEEP GROOVE BALL BEARINGS INCH SIZE

Bore d		Out.Dia. D		Width B		Approx. Net Weight (kg)	KSK Bearing Number
mm	inches	mm	inches	mm	inches		
6.350	0.2500	17.462	0.6875	*6.35	0.2500	0.008	1602
6.350	0.2500	19.000	0.7480	6.000	0.2362	0.008	626-1/4
6.350	0.2500	19.050	0.7500	7.144	0.2813	0.009	R4A 2RS (99R4A)
7.937	0.3125	22.000	0.8661	7.000	0.2756	0.012	608-5/16
7.938	0.3125	22.225	0.8750	**7.142	0.2812	0.016	1603
7.938	0.3125	23.017	0.9062	7.938	0.3125	0.018	1605
9.525	0.3750	22.225	0.8750	**7.144	0.2813	0.014	1604
9.525	0.3750	22.225	0.8750	5.556	0.2187	0.009	R6 (EE 3)
9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	R6 2RS (99R6)
9.525	0.3750	22.225	0.8750	7.144	0.2813	0.011	R6 ZZ (77R6)
9.525	0.3750	23.017	0.9062	7.938	0.3125	0.016	1606
9.525	0.3750	28.575	1.1250	9.525	0.3750	0.028	1614
9.525	0.3750	32.000	1.2598	10.000	0.3937	0.038	6201-3/8
9.525	0.3750	34.925	1.3750	11.113	0.4375	0.052	1619
11.113	0.4375	23.017	0.9062	7.938	0.3125	0.014	1607
11.113	0.4375	28.575	1.1250	9.525	0.3750	0.027	1615
11.113	0.4375	34.925	1.3750	11.113	0.4375	0.053	1620
12.700	0.5000	28.000	1.1024	8.000	0.3150	0.021	6001-1/2
12.700	0.5000	28.575	1.1250	6.350	0.2500	0.019	R8 (EE 4)
12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	R8 ZZ (77R8)
12.700	0.5000	28.575	1.1250	7.938	0.3125	0.021	R8 2RS (99R8)
12.700	0.5000	28.575	1.1250	9.525	0.3750	0.025	1616
12.700	0.5000	30.000	1.1811	9.000	0.3543	0.030	6200-1/2
12.700	0.5000	32.000	1.2598	10.000	0.3937	0.036	6201-1/2
12.700	0.5000	34.925	1.3750	11.113	0.4375	0.048	1621
12.700	0.5000	35.000	1.3780	11.000	0.4331	0.050	6202-1/2
12.700	0.5000	40.000	1.5748	12.000	0.4724	0.070	6203-1/2
14.288	0.5625	34.925	1.3750	11.113	0.4375	0.046	1622
15.870	0.6248	35.000	1.3780	11.000	0.4331	0.043	6202-5
15.875	0.6250	32.000	1.2598	9.000	0.3543	0.028	6002-5/8
15.875	0.6250	34.925	1.3750	7.144	0.2813	0.030	R10 (EE 5)
15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	R10 ZZ (77R10)
15.875	0.6250	34.925	1.3750	8.731	0.3437	0.036	R10 2RS (99R10)
15.875	0.6250	34.925	1.3750	11.113	0.4375	0.043	1623
15.875	0.6250	35.000	1.3780	11.000	0.4331	0.043	6202-5/8
15.875	0.6250	40.000	1.5748	12.000	0.4724	0.066	6203-5/8
15.875	0.6250	41.275	1.6250	12.700	0.5000	0.078	1628
15.875	0.6250	44.450	1.7500	12.700	0.5000	0.092	1633
16.500	0.6496	40.000	1.5748	12.000	0.4724	0.066	6203-16.5
19.050	0.7500	40.000	1.5748	12.000	0.4724	0.064	6203-3/4

\*Width sealed = 7.938mm

\*\*Width sealed = 8.731mm

**DEEP GROOVE BALL BEARINGS  
INCH SIZE**

Bore <b>d</b>		Out.Dia. <b>D</b>		Width <b>B</b>		Approx. Net Weight (kg)	KSK Bearing Number
mm	inches	mm	inches	mm	inches		
19.050	0.7500	41.275	1.6250	7.938	0.3125	0.047	R12 (EE 6)
19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	R12 2RS (99R12)
19.050	0.7500	41.275	1.6250	11.113	0.4375	0.063	R12 ZZ (77R12)
19.050	0.7500	41.275	1.6250	12.700	0.5000	0.065	1630
19.050	0.7500	42.000	1.6535	12.000	0.4724	0.069	6004-3/4
19.050	0.7500	44.450	1.7500	12.700	0.5000	0.085	1635
19.050	0.7500	47.000	1.8504	14.000	0.5512	0.110	6204-3/4
19.050	0.7500	50.800	2.0000	14.288	0.5625	0.115	1638
22.225	0.8750	47.000	1.8504	14.000	0.5512	0.096	6204-7/8
22.225	0.8750	47.625	1.8750	9.525	0.3750	0.070	R14 (EE 8)
22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097	R14 2RS (99R14)
22.225	0.8750	47.625	1.8750	12.700	0.5000	0.097	R14 ZZ (77R14)
22.225	0.8750	50.800	2.0000	14.288	0.5625	0.121	1640
22.225	0.8750	52.000	2.0472	15.000	0.5906	0.137	6205-7/8
25.400	1.0000	47.000	1.8504	12.000	0.4724	0.078	6005-1
25.400	1.0000	50.800	2.0000	9.525	0.3750	0.085	R16 (EE 9)
25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097	R16 2RS (99R16)
25.400	1.0000	50.800	2.0000	12.700	0.5000	0.097	R16 ZZ (77R16)
25.400	1.0000	50.800	2.0000	14.288	0.5625	0.105	1641
25.400	1.0000	52.000	2.0472	15.000	0.5906	0.128	6205-1
28.575	1.1250	53.975	2.1250	9.525	0.3750	0.091	R18 (EE10)
28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122	R18 ZZ (77R18)
28.575	1.1250	53.975	2.1250	12.700	0.5000	0.122	R18 2RS (99R18)
28.575	1.1250	63.500	2.5000	15.875	0.6250	0.210	1652
31.750	1.2500	57.150	2.2500	9.525	0.3750	0.096	R20 (EE11)
31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125	R20 2RS (99R20)
31.750	1.2500	57.150	2.2500	12.700	0.5000	0.125	R20 ZZ (77R20)
31.750	1.2500	63.500	2.5000	15.875	0.6250	0.190	1654
34.925	1.3750	63.500	2.5000	11.113	0.4375	0.154	R22 (EE12)
34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209	R22 ZZ (77R22)
34.925	1.3750	63.500	2.5000	14.288	0.5625	0.209	R22 2RS (99R22)
38.100	1.5000	66.675	2.6250	11.113	0.4375	0.172	R24 (EE13)
38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231	R24 ZZ (77R24)
38.100	1.5000	66.675	2.6250	14.288	0.5625	0.231	R24 2RS (99R24)



# KSK DEEP GROOVE BALL BEARINGS

## SPECIAL SIZES

### DEEP GROOVE BALL BEARINGS SPECIAL SIZES

Bore <b>d</b>		Out.Dia. <b>D</b>		Width				Approx. Net Weight (kg)	KSK Bearing Number	Note
mm	inches	mm	inches	Wi Inner ring width		Wo Outer ring width				
mm	inches	mm	inches	mm	inches	mm	inches			
6.350	0.2500	19.000	0.7480	6.000	0.2362	6.000	0.2362	0.008	<b>626 ZZ 4</b>	
6.350	0.2500	31.750	1.2500	10.130	0.3988	8.636	0.3400	0.032	<b>8459</b>	
7.000	0.2756	22.000	0.8661	7.000	0.2756	7.000	0.2756	0.013	<b>627 Z FX</b>	UNGROUND BORE.
7.000	0.2756	22.000	0.8661	10.000	0.3937	10.000	0.3937	0.018	<b>WC99037-2</b>	
7.000	0.2756	22.000	0.8661	10.300	0.4055	10.300	0.4055	0.019	<b>WC77037-1</b>	
7.933	0.3123	22.000	0.8661	7.000	0.2756	7.000	0.2756	0.012	<b>608 ZZ 5</b>	
7.938	0.3125	22.225	0.8750	7.140	0.2811	7.140	0.2811	0.012	<b>R5A</b>	
8.000	0.3150	22.000	0.8661	6.000	0.2362	6.000	0.2362	0.011	<b>X 117</b>	
8.000	0.3150	22.000	0.8661	7.000	0.2756	7.000	0.2756	0.012	<b>608 ZS</b>	REMOVABLE SHIELDS.
8.000	0.3150	22.000	0.8661	7.000	0.2756	7.000	0.2756	0.012	<b>608 Z FX</b>	UNGROUND BORE.
8.000	0.3150	22.000	0.8661	10.300	0.4055	10.300	0.4055	0.017	<b>W608-2RS</b>	
8.000	0.3150	22.225	0.8750	7.144	0.2813	7.144	0.2813		<b>77R6-8</b>	
8.000	0.3150	24.000	0.9449	12.000	0.4724	7.000	0.2756		<b>CB8 FX</b>	UNGROUND BORE. INNER & OUTER RING RACEWAY: WITHOUT SUPER-FINISH.
9.000	0.3543	24.000	0.9449	7.000	0.2756	7.000	0.2756	0.014	<b>6UG9 ZZ</b>	UNGROUND BORE.
9.000	0.3543	26.000	1.0236	8.000	0.3150	8.000	0.3150	0.020	<b>629 GA</b>	GOTHIC ARCH TYPE RACEWAY.
9.000	0.3543	26.000	1.0236	12.000	0.4724	12.000	0.4724		<b>629 ZZ W12</b>	
9.000	0.3543	26.000	1.0236	14.275	0.5620	14.275	0.5620	0.034	<b>39 KTT</b>	
9.030	0.3555	24.000	0.9449	10.000	0.3937	7.000	0.2756	0.016	<b>609 IBW ZZ</b>	UNGROUND BORE.
9.525	0.3750	22.225	0.8750	7.144	0.2813	7.144	0.2813		<b>99R6NRX</b>	99R6NR BUT WITH A BIGGER SNAP RING O.D.
9.525	0.3750	22.225	0.8750	9.525	0.3750	9.525	0.3750	0.014	<b>WR6 ZZ</b>	R6 UU WITH A DIFFERENT WIDTH.
9.525	0.3750	22.225	0.8750	9.525	0.3750	9.525	0.3750	0.014	<b>WS3KDD2</b>	A HOLE ( $\pm 1.0$ mm) THROUGH Z-SHIELD.
9.525	0.3750	22.225	0.8750	9.525	0.3750	9.525	0.3750	0.014	<b>WSR6 ZZ</b>	A HOLE ( $\pm 1.0$ mm) THROUGH Z-SHIELD.
9.525	0.3750	22.225	0.8750	9.804	0.3860	8.000	0.3150	0.013	<b>TX3LZ 2</b>	MOUNTED WIDTH: 10.3 mm.
9.530	0.3752	22.225	0.8750	7.144	0.2813	7.144	0.2813	0.011	<b>R6 ZSD</b>	77R6 TYPE BUT WITH A DIFFERENT BORE.
10.000	0.3937	26.000	1.0236	8.000	0.3150	7.400	0.2913		<b>6001 b-1</b>	
10.000	0.3937	26.000	1.0236	8.000	0.3150	8.000	0.3150	0.016	<b>6000-2RS U</b>	U-GROOVES ON O.D.
10.000	0.3937	26.000	1.0236	8.000	0.3150	8.000	0.3150	0.019	<b>6000 Z TNH</b>	PLASTIC CAGE REINFORCED WITH GLASSFIBER (25%).
10.000	0.3937	26.000	1.0236	10.000	0.3937	10.000	0.3937		<b>WX6000-2RS</b>	
10.000	0.3937	26.000	1.0236	11.506	0.4530	11.506	0.4530	0.027	<b>6000 RSZ-W</b>	6000 TYPE BUT WITH A DIFFERENT WIDTH.
10.000	0.3937	29.800	1.1732	9.000	0.3543	9.000	0.3543	0.030	<b>6200 D29 GA</b>	THREE-POINT CONTACT. RADIAL PLAY: C2 WITHOUT SUPER-FINISH.
10.000	0.3937	30.000	1.1811	9.000	0.3543	9.000	0.3543	0.032	<b>6200 FX</b>	UNGROUND BORE.
10.000	0.3937	30.000	1.1811	9.000	0.3543	8.200	0.3228		<b>6200-2RSNR-T</b>	
10.000	0.3937	30.000	1.1811	9.000	0.3543	8.000	0.3150	0.032	<b>207 R1</b>	
10.000	0.3937	30.000	1.1811	11.500	0.4528	9.000	0.3543		<b>6200 ZY</b>	
10.000	0.3937	30.000	1.1811	11.500	0.4528	9.000	0.3543	0.033	<b>87500 ZV</b>	
10.000	0.3937	30.000	1.1811	12.192	0.4800	12.700	0.5000	0.040	<b>WBC 200</b>	SAME AS WC8500 UU OPEN TYPE.
10.000	0.3937	30.000	1.1811	13.000	0.5118	13.000	0.5118		<b>6200 RSZ W13</b>	
11.113	0.4375	28.575	1.1250	6.350	0.2500	6.350	0.2500	0.019	<b>R8-7</b>	
11.120	0.4378	32.000	1.2598	15.400	0.6063	10.000	0.3937	0.043	<b>77011 S</b>	
11.123	0.4379	32.000	1.2598	15.400	0.6063	10.000	0.3937	0.032	<b>88501 A11</b>	INNER RING RACEWAY: WITHOUT SUPER-FINISH.

### DEEP GROOVE BALL BEARINGS SPECIAL SIZES

Bore <b>d</b>		Out.Dia. <b>D</b>		Width				Approx. Net Weight (kg)	KSK Bearing Number	Note
mm	inches	mm	inches	Wi Inner ring width		Wo Outer ring width				
mm	inches	mm	inches	mm	inches	mm	inches			
12.000	0.4724	26.000	1.0236	6.000	0.2362	6.000	0.2362		6901 ZZSOD26	SMALLER INNER DIAMETER.
12.000	0.4724	28.000	1.1024	8.000	0.3150	7.000	0.2756	0.020	6001 S	
12.000	0.4724	28.000	1.1024	8.000	0.3150	8.000	0.3150	0.019	WG 6001 ZZ	2 N-GROOVES ON O.D.
12.000	0.4724	32.000	1.2598	7.000	0.2756	7.000	0.2756	0.027	6201 W7	RACEWAY CURVATURE OF INNER & OUTER RING : 101% AXIAL PLAY : 1-5 MICRONS.
12.000	0.4724	32.000	1.2598	10.000	0.3937	10.000	0.3937	0.037	6201 RS R1	SMALLER CHAMFER AT EACH SIDE OF INNER DIAMETER OF THE INNER RING.
12.000	0.4724	32.000	1.2598	10.000	0.3937	9.500	0.3740		6201 ZV	
12.000	0.4724	32.000	1.2598	12.700	0.5000	12.700	0.5000	0.045	6201 KT5	
12.000	0.4724	32.000	1.2598	22.250	0.8760	10.000	0.3937	0.050	6201 Z-SFX	UNGROUND BORE.
12.100	0.4764	32.000	1.2598	9.000	0.3543	9.000	0.3543		222071 X	UNGROUND BORE.
12.700	0.5000	28.575	1.1250	6.350	0.2500	6.350	0.2500	0.019	R8 FG	FLUSH GROUND.
12.700	0.5000	28.575	1.1250	7.938	0.3125	7.938	0.3125	0.021	R8 ZZ N1	U-GROOVED O.D.
12.700	0.5000	28.575	1.1250	7.938	0.3125	7.938	0.3125	0.021	XR8	SAME WIDTH AS 77R8 BUT WITHOUT Z-SHIELDS.
12.700	0.5000	28.575	1.1250	7.938	0.3125	7.938	0.3125	0.021	R8Z WN	2 OIL HOLES AT INNER RING SIDE.
12.700	0.5000	28.575	1.1250	9.525	0.3750	9.525	0.3750	0.024	C3920-911	
12.700	0.5000	28.575	1.1250	9.525	0.3750	9.525	0.3750	0.028	1616 ZZNR FX	UNGROUND BORE. INNER & OUTER RING RACEWAY : WITHOUT SUPER-FINISH.
12.700	0.5000	28.575	1.1250	9.525	0.3750	9.525	0.3750	0.028	3016-2RS	UNGROUND BORE.
12.700	0.5000	32.000	1.2598	10.000	0.3937	10.000	0.3937	0.036	6201-8	SAME AS 6201-1/2.
12.700	0.5000	33.338	1.3125	9.525	0.3750	9.525	0.3750	0.038	RLS 4-2VS	
12.700	0.5000	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.100	SB201-8	SPHERICAL O.D. & WITH SET-SCREWS.
12.700	0.5000	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.100	SB201-8 G	SPHERICAL O.D. & 2 OIL HOLES & WITH SET-SCREWS.
12.700	0.5000	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.100	CSB201-8	WITH SET SCREWS.
12.716	0.5006	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.075	6203-2RS T1	
14.288	0.5625	34.925	1.3750	11.113	0.4375	11.113	0.4375	0.046	1622-2ZT	TEFLON SEALS REINFORCED WITH Z-SHIELD.
15.000	0.5906	35.000	1.3780	9.000	0.3543	9.000	0.3543		X 377	
15.000	0.5906	35.000	1.3780	9.000	0.3543	9.000	0.3543	0.038	7109	
15.000	0.5906	35.000	1.3780	11.000	0.4331	11.000	0.4331	0.042	SC202-2RS	SPHERICAL O.D.
15.000	0.5906	35.000	1.3780	13.000	0.5118	13.000	0.5118	0.052	6201-2RS-W13	
15.000	0.5906	37.000	1.4567	9.000	0.3543	9.000	0.3543	0.046	6904 15 GA	GOTHIC ARCH TYPE RACEWAY.
15.000	0.5906	40.000	1.5748	11.000	0.4331	11.000	0.4331	0.071	80393	SPHERICAL O.D.
15.100	0.5945	35.000	1.3780	11.000	0.4331	9.000	0.3543		222072 U	UNGROUND BORE.
15.857	0.6243	34.925	1.3750	11.000	0.4331	11.000	0.4331	0.044	99502HNR B1	99502HNR BUT WITH A DIFFERENT BORE.
15.870	0.6248	35.000	1.3780	11.000	0.4331	11.000	0.4331	0.043	6202-2RS-6248	
15.875	0.6250	34.925	1.3750	11.000	0.4331	11.000	0.4331	0.043	77502H	
15.875	0.6250	34.925	1.3750	11.000	0.4331	11.000	0.4331	0.043	99502H	
15.875	0.6250	34.925	1.3750	11.000	0.4331	11.000	0.4331	0.044	99502HNR	WITH SNAP RING.
15.875	0.6250	34.925	1.3750	11.113	0.4375	11.113	0.4375	0.043	1623 FX	UNGROUND BORE.
15.875	0.6250	34.925	1.3750	23.813	0.9375	11.113	0.4375		X 118	SNAP RING & WITH SET-SCREW.
15.875	0.6250	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.088	SB202-10	SPHERICAL O.D. & WITH SET-SCREWS.
15.875	0.6250	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.088	SB202-10 GF	SPHERICAL O.D. & 2 OIL HOLES & WITH SET-SCREWS.
15.875	0.6250	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.088	SB202-10 G	SPHERICAL O.D. & 2 OIL HOLES & WITH SET-SCREWS.



### DEEP GROOVE BALL BEARINGS SPECIAL SIZES

Wi = Inner ring width    Wo = Outer ring width

Bore d		Out.Dia. D		Width				Approx. Net Weight (kg)	KSK Bearing Number	Note
mm	inches	mm	inches	mm	inches	mm	inches			
15.875	0.6250	40.000	1.5748	22.000	0.8661	12.000	0.4724	0.083	<b>CSB202-10</b>	WITH SET SCREWS.
15.875	0.6250	41.275	1.6250	12.700	0.5000	12.700	0.5000	0.078	<b>1628 FX</b>	UNGROUND BORE.
15.890	0.6256	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.066	<b>6203-2SL-T</b>	ARMOR GUARD SEALS.
16.000	0.6299	35.000	1.3780	11.000	0.4331	11.000	0.4331	0.043	<b>6202-16-ZZ-2N-R</b>	2 N-GROOVES ON O.D. 1 SNAP RING.
16.000	0.6299	35.000	1.3780	12.700	0.5000	12.700	0.5000	0.049	<b>50706</b>	FLUSH GROUND.
16.030	0.6311	35.000	1.3780	11.000	0.4331	11.000	0.4331	0.043	<b>6202-16-2RS-SB</b>	6202 TYPE BUT WITH A DIFFERENT BORE.
16.256	0.6400	40.000	1.5748	18.288	0.7200	12.000	0.4724	0.082	<b>203KRR2 FX</b>	UNGROUND BORE & ARMOR GUARD SEALS.
16.256	0.6400	40.000	1.5748	18.288	0.7200	12.000	0.4724	0.082	<b>203KRR2</b>	ARMOR GUARD SEALS.
16.256	0.6400	40.000	1.5748	18.288	0.7200	12.000	0.4724	0.082	<b>203KRR2 FX4</b>	UNGROUND BORE & FOUR-POINT CONTACT & ARMOR GUARD SEALS
16.256	0.6400	40.000	1.5748	18.288	0.7200	12.000	0.4724	0.082	<b>203KRR2 FX1</b>	UNGROUND BORE & ARMOR GUARD SEALS
17.000	0.6693	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.065	<b>6203-2RSB</b>	SPHERICAL O.D.
17.000	0.6693	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.065	<b>SC203-2RS(IG)</b>	SPHERICAL O.D. & 2 OIL HOLES IN INNER RING.
17.000	0.6693	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.065	<b>SC203-2RS</b>	SPHERICAL O.D.
17.000	0.6693	42.000	1.6535	10.000	0.3937	10.000	0.3937	0.071	<b>106202-2RS</b>	OUTER RING RACEWAY : WITHOUT SUPER-FINISH.
19.050	0.7500	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.065	<b>SC6203-3/4-2RS</b>	SPHERICAL O.D.
19.050	0.7500	42.000	1.6535	17.300	0.6811	17.300	0.6811		<b>6004-3/4 NRX</b>	6004-3/4 TYPE. INNER RING AND OUTER RING HAVE DIFFERENT WIDTHS.
19.050	0.7500	47.000	1.8504	14.000	0.5512	14.000	0.5512	0.110	<b>SC6204-3/4-2RS</b>	SPHERICAL O.D.
19.050	0.7500	50.800	2.0000	14.288	0.5625	14.288	0.5625	0.115	<b>3038 ZZ</b>	UNGROUND BORE.
19.063	0.7505	45.225	1.7805	15.494	0.6100	15.494	0.6100	0.108	<b>Z9504 AB</b>	OFF-CENTERED RACEWAY (ARMOR GUARD SEAL & RUBBER SEAL).
19.063	0.7505	45.225	1.7805	15.494	0.6100	15.494	0.6100	0.108	<b>Z9504 C</b>	ARMOR GUARD SEALS.
19.063	0.7505	45.225	1.7805	15.494	0.6100	15.494	0.6100	0.108	<b>Z9504 B</b>	
19.070	0.7508	34.925	1.3750	12.700	0.5000	11.113	0.4375		<b>TP1-ZNR</b>	
19.075	0.7510	41.275	1.6250	12.700	0.5000	12.700	0.5000	0.065	<b>1630 FX</b>	UNGROUND BORE.
19.088	0.7515	44.450	1.7500	12.700	0.5000	12.700	0.5000	0.088	<b>1635 Z OS</b>	SMALLER CHAMFER AT EACH SIDE OF INNER DIAMETER OF THE INNER RING.
20.000	0.7874	42.000	1.6535	7.000	0.2756	7.000	0.2756	0.042	<b>6004 W7 GA</b>	GOTHIC ARCH TYPE RACEWAY.
20.000	0.7874	42.000	1.6535	8.000	0.3150	8.000	0.3150	0.052	<b>6004 W8 RS GA</b>	THREE-POINT CONTACT.
20.000	0.7874	42.000	1.6535	9.000	0.3543	9.000	0.3543	0.054	<b>6004 W9 GA</b>	
20.000	0.7874	42.000	1.6535	12.000	0.4724	12.000	0.4724	0.066	<b>6004 NN</b>	2 U-GROOVES ON O.D.
20.000	0.7874	42.000	1.6535	12.000	0.4724	12.000	0.4724	0.069	<b>6004-TN-DB-PR</b>	FLUSH GROUND.
20.000	0.7874	47.000	1.8504	12.000	0.4724	12.000	0.4724	0.091	<b>6204 W12</b>	6204 WITH A DIFFERENT WIDTH.
20.000	0.7874	52.000	2.0472	12.000	0.4724	12.000	0.4724	0.131	<b>522012</b>	SAME AS 6304B12 AND 6304 W12.
20.000	0.7874	52.000	2.0472	12.000	0.4724	12.000	0.4724	0.131	<b>6304 W12</b>	SAME AS 522012 AND 6304 B12.
20.000	0.7874	52.000	2.0472	15.000	0.5906	15.000	0.5906	0.140	<b>6205 B20-TN</b>	CHAMFER OF INNER RING : 2mm x 2mm. 66 NYLON CAGE.
25.000	0.9843	47.000	1.8504	12.000	0.4724	12.000	0.4724	0.080	<b>6005 CS</b>	6005 WITH SPECIAL CHAMFERS.
25.000	0.9843	47.000	1.8504	12.000	0.4724	12.000	0.4724	0.079	<b>6005-2RS-2N-R</b>	2 N-GROOVES ON O.D. 1 SNAP RING.
25.000	0.9843	53.000	2.0866	15.000	0.5906	15.000	0.5906		<b>4139 Z</b>	
25.010	0.9846	52.000	2.0472	19.500	0.7677	15.000	0.5906	0.135	<b>6205 ZY</b>	UNGROUND BORE. INNER & OUTER RING RACEWAYS : WITHOUT SUPER-FINISH.
25.400	1.0000	47.000	1.8504	24.660	0.9709	12.000	0.4724	0.105	<b>CSB105-16</b>	WITH SET SCREWS.
25.400	1.0000	50.800	2.0000	14.288	0.5625	14.288	0.5625	0.105	<b>3041 ZZ</b>	UNGROUND BORE.
36.512	1.4375	68.000	2.6772	15.000	0.5906	15.000	0.5906		<b>411802</b>	



# KSK STAINLESS STEEL BALL BEARINGS

## SPECIAL SIZES

### STAINLESS STEEL BALL BEARINGS SPECIAL SIZES

Bore <b>d</b>		Out.Dia. <b>D</b>		Width				Approx. Net Weight (kg)	KSK Bearing Number	Note
mm	inches	mm	inches	Wi = Inner ring width		Wo = Outer ring width				
				mm	inches	mm	inches			
8.000	0.3150	22.000	0.8661	7.000	0.2756	7.000	0.2756	0.012	S4 608	
9.525	0.3750	25.400	1.0000	5.556	0.2187	5.556	0.2187	0.013	SSR6 D1	
10.000	0.3937	26.000	1.0236	8.000	0.3150	8.000	0.3150	0.019	SS6000-2TSZ	TEFLON SEALS REINFORCED WITH Z-SHIELD.
12.000	0.4724	32.000	1.2598	10.000	0.3937	10.000	0.3937	0.037	SS6201-2TSZ	TEFLON SEALS REINFORCED WITH Z-SHIELD.
13.000	0.5118	28.000	1.1024	8.000	0.3150	8.000	0.3150	0.020	SS6001 FX 13	UNGROUND BORE.
13.050	0.5138	28.000	1.1024	8.000	0.3150	8.000	0.3150	0.020	SS6001-13 BFX	UNGROUND BORE.
15.000	0.5906	32.000	1.2598	9.000	0.3543	9.000	0.3543	0.030	SS6002-2TSZ	TEFLON SEALS REINFORCED WITH Z-SHIELD.
15.000	0.5906	35.000	1.3780	11.000	0.4331	11.000	0.4331	0.045	SS6202-PB	
15.000	0.5906	41.000	1.6142	12.000	0.4724	12.000	0.4724	0.078	SS6202 UG 2RS	
17.000	0.6693	40.000	1.5748	12.000	0.4724	12.000	0.4724	0.065	SS6203-0C	6203 WITH SPECIAL CHAMFERS.
25.000	0.9843	47.000	1.8504	12.000	0.4724	12.000	0.4724	0.080	S4 6005	
25.000	0.9843	52.000	2.0472	15.000	0.5906	15.000	0.5906		SS6205 SLOT	
35.000	1.3780	62.000	2.4409	14.000	0.5512	14.000	0.5512	0.155	S4 6007	
40.000	1.5748	68.000	2.6772	15.000	0.5906	15.000	0.5906	0.191	S4 6008	
40.000	1.5748	68.000	2.6772	15.000	0.5906	15.000	0.5906	0.191	S6 6008	

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The interchange lists are intended only as a guide.

The **KSK** bearings compared to those of the other manufacturers are not always exactly equivalent or necessarily interchangeable for all applications.

**KSK**

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