

*Bearings International Limited*

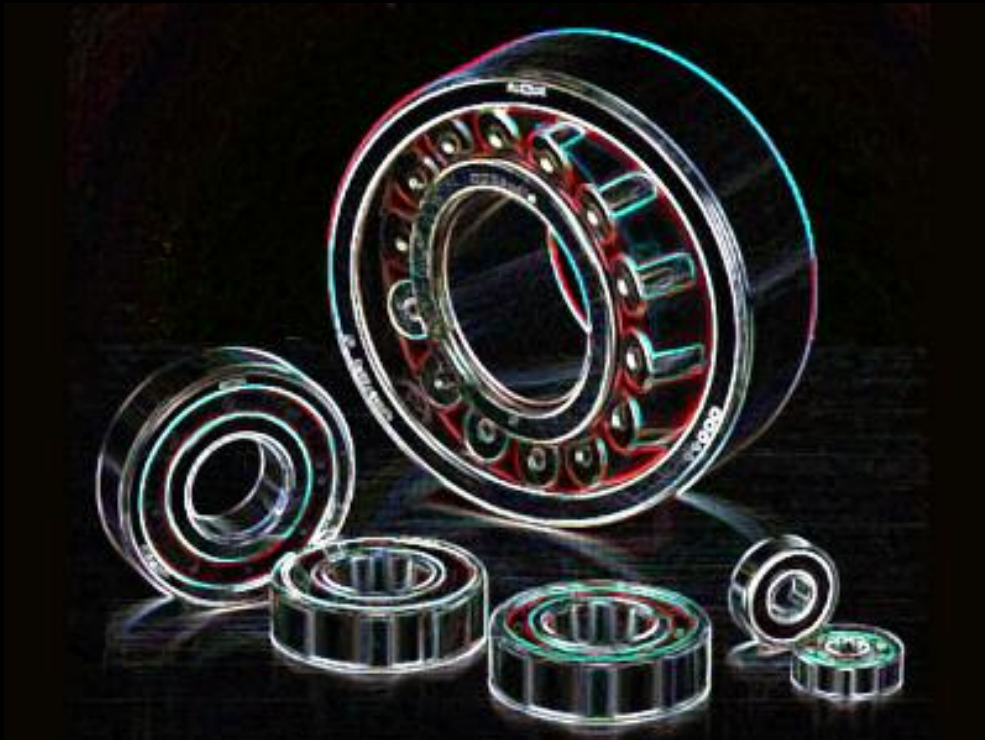


*Our World Revolves Around Bearings*

*Catalogue downloaded from  
[www.bearings-international.co.uk](http://www.bearings-international.co.uk)*

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## Brief Overview of Bearings International Limited



Bearings International Limited began its life in 1995, with its Directors, John Price (left, above) and Ken Foxall (right), wanting to service customers properly with good quality products and very competitive prices.

Long term bearing industry experience is the key to both Directors' inputs into the company.

John Price has been in the industry since 1976, working both in the UK and Canada, and has ten years' special knowledge of importing and developing bearing business in the Far East.

Ken Foxall, also in nearing his twentieth birthday in the 'trade' specialising in meeting customers needs and requirements fully. Service may well be substituted for Ken's middle name.

## Factory Overview

After long term 'tried and tested' experience, Bearings International Limited is proud to surround itself with the highest of quality in Factory resources. ISO 9002 is only the beginning of the auditing and inspection measures undertaken.

With help and advice from customers and trade bodies we have organised and advised our factories on our customers needs, with in excess of ten million bearings being shipped in the short four years of existence.

Our factories are open to your visit for quality system inspection or auditing purposes with Bearings International Limited being more than happy to accompany you on your visit. Travel arrangements can also be organised through our local contacts and friends.



(The above picture is of our ball bearing factory in Ningbo, China. Their bearing specifications follow later in this catalogue.)

## Bearing Types

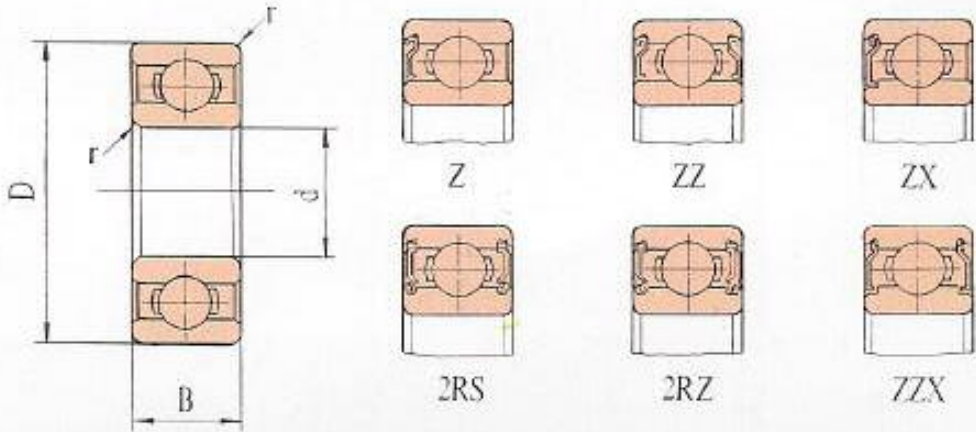
Here is a list of standard bearing types available from Bearings International Limited, but remember that any bearing type is available.

- (a) Deep Groove Ball Bearings
- (b) Miniature Ball Bearings
- (c) Self Aligning Ball Bearings
- (d) Angular Contact Ball Bearings
- (e) Magneto Style Ball Bearings
- (f) Spherical Roller Bearings
- (g) Tapered Roller Bearings
- (h) Cylindrical Roller Bearings
- (i) Needle Roller Bearings
- (j) Steel Balls of all materials
- (k) Thrust Bearings
- (l) Pillow Block Housed Units
- (m) Flanged Housed Units
- (n) Plummer Block Housed Units
- (o) Pulley Bearings
- (p) Agricultural Bearings
- (q) Spherical Plain and Rod Ends
- (r) Fork Lift Truck Bearings
- (s) Automotive Bearings

The next few pages contain the specifications of our most standard ranges. Any items not listed can be forwarded upon request.

## Ball Bearings 6000 Series

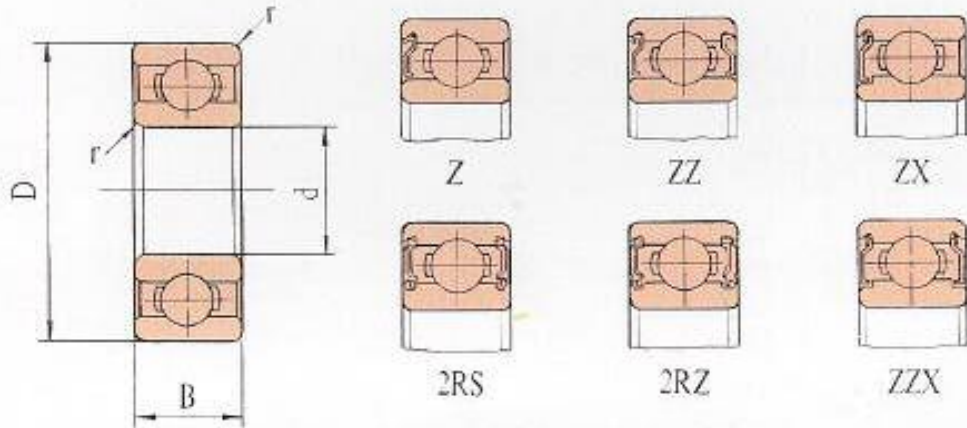
### 6000 Series



軸承型號 Bearing NO	孔 徑 Bore d		外 徑 O.D D		寬 度 Width B		倒 角 Chamfer rmin mm	額定載荷(KN) Load Rating		鋼球參數 Ball Complement		極限轉速(轉/分) Max.rotat speed	
	mm	in	mm	in	mm	in		Dynamic Cr	Static Cor	NO.	Size mm	Grease r/min	Oil r/min
	605	5	.1969	14	.5512	5		.1969	0.2	1.330	0.55	7	2.381
606	6	.2362	17	.6693	6	.2362	0.3	1.514	0.74	6	3.175	30000	38000
607	7	.2756	19	.7480	6	.2362	0.3	2.161	1.163	6	3.969	28000	36000
608	8	.3150	22	.8661	7	.2756	0.3	2.534	1.356	7	3.969	26000	34000
609	9	.3543	24	.9449	7	.2576	0.3	2.566	1.356	7	3.969	22000	30000
6000	10	.3937	26	1.0236	8	.3150	0.3	3.520	1.95	7	4.762	20000	28000
6001	12	.4724	28	1.1024	8	.3150	0.3	3.930	2.23	8	4.762	19000	26000
6002	15	.5906	32	1.2598	9	.3543	0.3	4.300	2.51	9	4.762	18000	24000
6003	17	.6693	35	1.3780	10	.3937	0.3	5.240	3.04	10	4.762	17000	22000
6004	20	.7874	42	1.6535	12	.4724	0.6	7.220	4.46	9	6.35	15000	19000
6005	25	.9843	47	1.8504	12	.4724	0.6	7.740	4.95	10	6.35	13000	17000
6006	30	1.1811	55	2.1645	13	.5188	1.0	10.18	6.91	11	7.143	10000	14000

## Ball Bearings 6200 Series

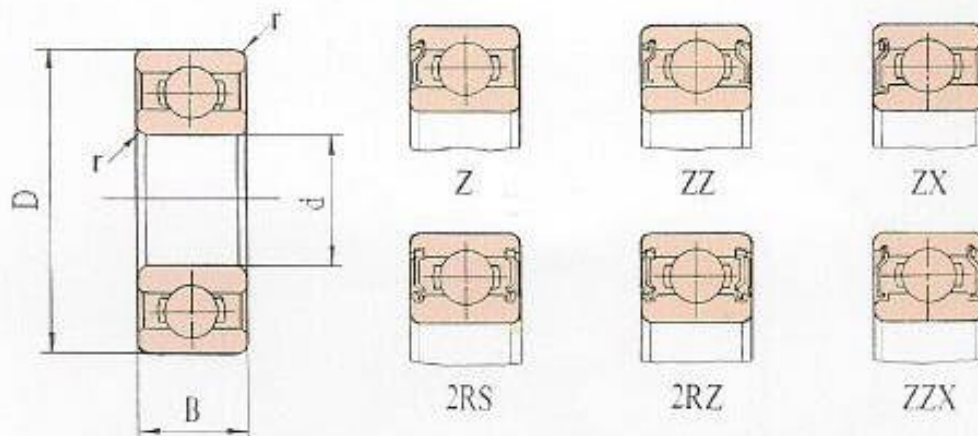
### 6200 Series



軸承型號 Bearing NO	孔 徑 Bore d		外 徑 O.D D		寬 度 Width B		倒 角 Chamfer rmm	額定載荷(KN) Load Rating		鋼球參數 Ball Complement		極限轉速(轉·分) Max output speed	
	mm	in	mm	in	mm	in		Dynamic Cr	Static Cor	NO.	Size mm	Grease r/min	Oil r/min
624	4	.1575	13	.5118	5	.1968	0.2	0.89	0.42	6	2.381	36000	45000
625	5	.1968	16	.6299	5	.1968	0.3	1.45	0.74	6	3.175	32000	40000
626	6	.2362	19	.7480	6	.2362	0.3	2.161	1.16	6	3.969	28000	36000
627	7	.2756	22	.8661	7	.2756	0.3	2.534	1.35	7	3.969	26000	34000
628	8	.3149	24	.9448	8	.3150	0.3	2.566	1.35	7	3.969	24000	32000
629	9	.3543	26	1.0236	8	.3150	0.3	3.200	1.47	7	4.5	22000	33000
6200	10	.3937	30	1.1811	9	.3543	0.6	3.928	2.23	8	4.762	19000	26000
6201	12	.4724	32	1.2598	10	.3937	0.6	5.241	3.05	7	5.953	18000	24000
6202	15	.5906	35	1.3780	11	.4331	0.6	5.864	3.49	8	5.953	17000	22000
6203	17	.6693	40	1.5748	12	.4724	0.6	7.360	4.48	8	6.747	16000	20000
6204	20	.7874	47	1.8504	14	.5112	1.0	9.867	6.20	8	7.938	14000	18000
6205	25	.9843	52	2.0470	15	.5906	1.0	10.78	6.98	9	7.938	12000	16000
6206	30	1.1811	62	2.4409	16	.6299	1.0	14.90	10.0	9	9.525	9500	13000

## Ball Bearings 6300 Series

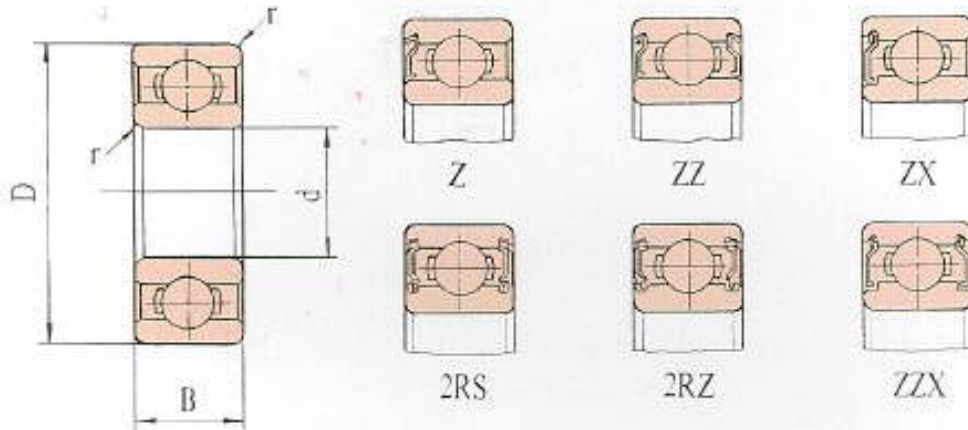
### 6300 Series



軸承型號 Bearing NO.	孔 徑 Bore d		外 徑 O.D D		寬 度 Width B		倒 角 Chamfer r <sub>min</sub> mm	額定載荷(KN) Load Rating		鋼球參數 Ball Complement		極限轉速(轉/分) Max.rot speed	
	mm	in	mm	in	mm	in		Dynamic Cr	Static Cor	NO.	Size mm	Grease r/min	Oil r/min
	634	4	.1575	16	.6299	5		.1968	0.3	1.447	0.745	6	3.175
635	5	.1969	19	.7480	6	.2362	0.3	2.161	1.163	6	3.969	28000	36000
636	6	.2362	22	.8661	7	.2756	0.3	2.534	1.356	7	3.969	26000	34000
6300	10	.3937	35	1.3780	11	.4331	0.6	5.880	3.470	7	6.35	18000	24000
6301	12	.4724	37	1.4567	12	.4724	1.0	7.480	4.650	6	7.938	17000	22000
6302	15	.5906	42	1.6535	13	.5118	1.0	8.791	5.420	7	7.938	16000	2000
6303	17	.6693	47	1.8504	14	.5512	1.0	10.438	6.580	7	8.731	15000	19000
非標軸承: Nonstandard Bearing													
62200	10	.3937	30	1.1811	14	.5512	0.6	3.93	2.23	8	4.762	19000	26000
63000	10	.3937	26	1.0236	12	.4724	0.3	3.52	1.95	7	4.5	20000	28000
63001	12	.4724	28	1.1023	12	.4724	0.3	3.93	2.23	8	4.762	19000	26000
63002	15	.5906	32	1.2598	13	.5118	0.3	4.30	2.51	9	4.762	18000	24000

## Ball Bearings 6800 Series

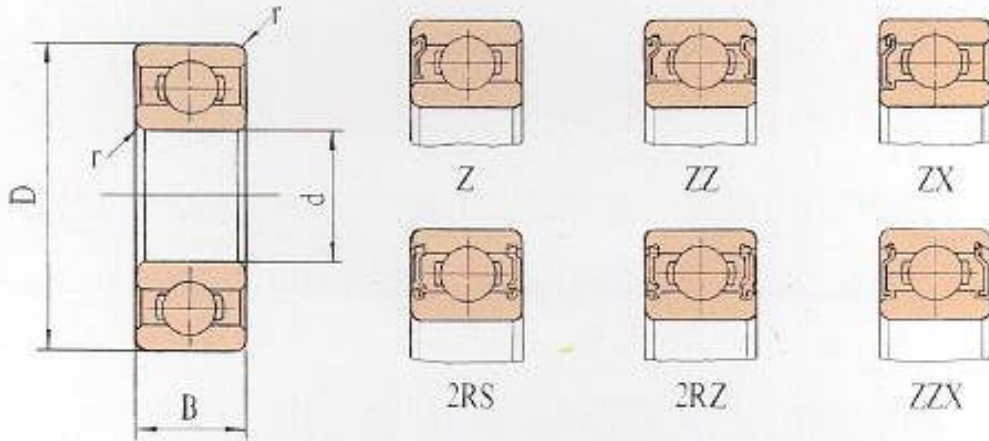
### 6800 Series



軸承型號 Bearing NO.	孔徑 Bore d		外徑 O.D. D		寬度 Width B		倒角 Chamfer r/mm	額定載荷(KN) Load Rating		鋼球參數 Ball Complement		極限轉速(轉/分) Max. rot. speed	
	mm	in	mm	in	mm	in		Dynamic Cr	Static Cor	NO.	Size mm	Grease r/min	Oil r/min
	685 開閉	5	.1969	11	.4331	3 5		.1181 .1969	0.15	0.61	0.283	9	1.588
686 開閉	6	.2362	13	.5118	3.5 5	.1378 .1969	0.15	0.85	0.440	8	2.0	33000	42000
687 開閉	7	.2756	14	.5512	3.5 5	.1378 .1969	0.15	0.92	0.450	9	2.0	31000	40000
688 開閉	8	.3150	16	.6299	4 5	.1575 .1969	0.2	1.05	0.550	9	2.381	29000	38000
689 開閉	9	.3543	17	.6693	4 6	.1575 .1969	0.2	1.10	0.810	9	2.381	28000	36000
6800	10	.3937	19	.7480	5	.1969	0.3	1.82	0.925	11	2.381	26000	34000
6800W7	10	.3937	19	.7480	7	.2756	0.3	1.82	0.925	11	2.381	26000	34000
6801	12	.4724	21	.8268	5	.1969	0.3	1.90	1.04	12	2.381	22000	30000
6802	15	.5906	24	.9449	5	.1969	0.3	2.08	1.26	14	2.381	20000	28000
6803	17	.6693	26	1.0236	5	.1969	0.3	2.63	1.57			19000	26000
6804	20	.7874	32	1.2598	7	.2756	0.3	4.00	2.47			17000	22000
6805	25	.9843	37	1.4567	7	.2756	0.3	4.30	2.95			16000	19000

## Ball Bearings 6900 Series

### 6900 Series



軸承型號 Bearing NO	孔 徑 Bore d		外 徑 O.D D		寬 度 Width B		倒 角 Chamfer r mm	額定載荷(KN) Load Rating		鋼球參數 Ball Complement		極限轉速(轉/分) Max.rot speed	
	mm	in	mm	in	mm	in		Dynamic Cr	Static Cor	NO.	Size mm	Grease r/min	Oil r/min
	695	5	.1969	13	.5118	4		.1575	0.2	1.08	0.42	8	2.0
696	6	.2362	15	.5906	5	.1969	0.2	1.35	0.53	8	2.381	32000	40000
697	7	.2756	17	.6693	5	.1969	0.3	1.61	0.72	7	3.0	30000	38000
698	8	.3150	19	.7480	6	.2362	0.3	1.99	0.87	7	3.5	28000	36000
699	9	.3543	20	.7874	6	.2362	0.3	2.48	1.08	9	2.381	27000	34000
6900	10	.3937	22	.8661	6	.2362	0.3	2.70	1.27	9	2.381	25000	32000
6901	12	.4724	24	.9449	6	.2362	0.3	2.89	1.46	9	3.5	20000	28000
6902	15	.5906	28	1.1024	7	.2756	0.3	4.10	2.06	8	4.762	19000	26000
6903	17	.6693	30	1.1811	7	.2756	0.3	4.60	2.55	11	3.969	18000	24000
6904	20	.7874	37	1.4567	9	.3543	0.3	6.35	3.70	10	5.0	17000	22000
6905	25	.9843	42	1.6535	9	.3543	0.3	7.05	4.55	12	5.0	14000	18000
6906	30	1.1811	47	1.8503	9	.3543	0.3	7.25	5.00			13000	15000

## Ball Bearings - Boundary Tolerances

附錄 1 Appendix 1 表1 0級公差內圈 Table 1 Inner Ring of 0 Grade Tolerance <span style="float: right;">μm</span>												
d mm		Δd <sub>mp</sub>		V <sub>ir</sub> 2)			V <sub>dmp</sub>	K <sub>ia</sub>	ΔB <sub>S</sub>			V <sub>is</sub>
				直徑系列					全部	正常	修正 <sup>3)</sup>	
				9	0.1	2.3.4						
超	過	到	上偏差	下偏差	max			max	max	上偏差	下偏差	max
0.6 <sup>1)</sup>	2.5	0	-8	10	8	6	6	10	0	-40	-	12
2.5	10	0	-8	10	8	6	6	10	0	-120	-250	15
10	18	0	-8	10	8	6	6	10	0	-120	-250	20
18	30	0	-10	13	10	8	8	13	0	-120	-250	20
30	50	0	-12	15	12	9	9	15	0	-120	-250	20

- 注: 1) 包括0.6在內。  
 2) 直徑系列7和8無規定值。  
 3) 系指用于成對或成組安裝時單個軸承的內圈。  
 Note: 1) Including 0.6  
 2) Diameter series 7 and 8, no regular cost  
 3) Indicating the single internal ring of the bearing to be used in pair or group during installation

表2 0級公差外圈 Table 2 Out Ring of 0 Grade Tolerance <span style="float: right;">μm</span>													
D mm		ΔD <sub>mp</sub>		V <sub>Dp</sub> <sup>2) 4)</sup>				V <sub>Dmp</sub> <sup>5)</sup>	K <sub>ea</sub>	ΔC <sub>s</sub>		V <sub>Cs</sub>	
				開型軸承		閉型軸承 <sup>3)</sup>				全部	正常	max	
				直徑系列									
超	過	到	上偏差	下偏差	max				max	max	上偏差	下偏差	max
2.5 <sup>1)</sup>	6	0	-8	10	8	6	10	6	15	與同一軸承內圈的 ΔB <sub>S</sub> 及V <sub>Bs</sub> 相同			
6	18	0	-8	10	8	6	10	6	15				
18	30	0	-9	12	9	7	12	7	15				
30	50	0	-11	14	11	8	16	8	20				
50	80	0	-13	16	13	10	20	10	25				

- 注: 1) 包括2.5在內。  
 2) 直徑系列7和8無規定值。  
 3) 直徑系列9.0和1無規定值。  
 4) 適用於內、外止動環安裝前或拆卸後。  
 5) 僅適用於溝型球軸承。  
 Note: 1) Including 2.5  
 2) Diameter series 7 and 8, no regular cost.  
 3) Diameter series 9.0 and 1, no regular cost.  
 4) Suitable for inside and outside brake ring before installation or after discharge.  
 5) Only suitable for groove type ball bearing

## Ball Bearings - Internal Clearances

### 游 隙 Clearance

SL軸承的徑向游隙按ISO5753標準分爲五組。無預負荷的徑向游隙值見表6。工廠一般按基本組游隙制造裝配。用戶所需的徑向游隙，除基本組外，應在合同中注明要求。

#### Clearance

In accordance with the standard of ISO 5753, The radial Clearance of SL Bear can be divided into five groups. Radial Clearance Value, without load See Table 6. Generally it is according to the manufacturing and installation of the basic group of Clearance. The users who need the Radial Clearance except the basic group should put down their requirements in the contract.  
 Table 6 the Radial Clearance of the Deep Groove Ball Bearing  
 Note: C<sub>2</sub> Group Clearance only for Bearings over 6 Grade Accuracy

表6 Table 6 深溝球軸承的徑向游隙

μm

軸承內徑 Bore diameter d (mm)		第2組(C <sub>2</sub> ) group 2		基本組(0) Standard group		第3組(C <sub>3</sub> ) group 3		第4組(C <sub>4</sub> ) group 4		第5組(C <sub>5</sub> ) group 5	
超過 Over	到 To	最小 Min.	最大 Max.	最小 Min.	最大 Max.	最小 Min.	最大 Max.	最小 Min.	最大 Max.	最小 Min.	最大 Max.
2.5	6	0	7	2	13	8	23	—	—	—	—
6	10	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

注: C<sub>2</sub>組游隙僅適用於6級精度以上軸承

## Ball Bearings - Grease Specifications

表7 Table 7 潤滑脂的牌號和性能 The Grease No and function

油脂名稱 Title	牌號 No.	平均滴點 Average Drops ℃(°F)	工作針入度 Working Point at25℃ (77°F)	工作溫度 Working T. ℃	備 注 Remarks
<b>1.殼牌 Shell</b>					
[ 愛萬利 ] R潤滑脂 Alvania R Grease	R2	185(365)	265-295	-35~100	一般性工業用途鋰基潤滑脂 General for industrial Use Lithium Grease
	R3	185(365)	220-250	-35~135	
	RA	180(356)	250-275	<100	
[ 愛萬利 ] 極壓潤滑脂 Alvania EP Grease	EP1	180(356)	310-340		鋰基極壓工業潤滑脂 Lithium EP Grease
	EP2	185(365)	265-295	-25~110	
[ 大靈雅 ] 潤滑脂 Darina Grease	2	>250(482)	265-295	-25~150	適合高溫工作 Suitable for high Temperature Working
	EP2	>250(482)	265-295		
[ 多耐溫 ] 潤滑脂 Doliumr Grease	R	>250(482)	265-295	-30~150	
<b>2.埃索 Esso Standard</b>					
Andok	C	260(500)	190-210	-30~150	
Andok	260	190(374)	204-260	-40~120	
Beacon	325	190(374)	280	-54~120	
Beacon	EP1	190(374)	315		
Beacon	EP2	190(374)	275		
<b>3.雪佛龍 Chevron</b>					
Chevron Grease	SR1-2	240(464)	280	-30~120	
<b>4.美孚 Mobil oil</b>					
Mobilux	2	190(374)	265-290	-10~110	
Mobil Grease	22	192(378)	274	-40~120	
Mobil Grease	28	>260(500)	295	-40~140	適合高溫工作 Suitable for high Temperature Working
Mobilplex	48	>260(500)	240-270	-60~170	
<b>5.克虜伯 Kluber</b>					
Isoflex Super	LDS18	190(374)	280	-50~110	
Isoflex	NBU15	250(482)	280	-30~120	
<b>6.協同 Kyodo Yushi</b>					
Multemp	SRL	185(365)	245	-40~120	
Multemp	PS2	190(374)	275	-50~110	
Multemp	SC-A	>260(500)	280	0~160	適合高溫工作 Suitable for high Temperature Working
Multemp	ET150	>260(500)	280	-10~160	

## Transportation

With the nature of our business, i.e. importing our goods from the Far East, Bearings International Limited are pleased to associate ourselves with the highest quality of transportation partners to ensure on time delivery and full shipment tracking abilities. When your goods leave Shanghai or Hong Kong or any of the major shipping ports, we will know the shipping details and the exact ETA at the appropriate UK landing port.

Our transport companies all have fully computerised offices to handle our customs clearance and our UK-bound transportation needs.

They offer handily placed locations at all the major ports such as Tilbury, Southampton, London Heathrow and Manchester.

They all also have the backup of a full ISO 9002 accreditation (copy certificates are available upon request)  
Full details of the excellent transport companies and their services are available upon request.



## ISO Certification

Bearings International Limited is proud to be operating in full adherence to the standards as laid down in ISO 9002 and a copy of any relevant information/certification is available upon request.

Current and potential customers alike can and do audit us on an annual or ad-hoc basis to ensure full compliance.



Most of our factories are also ISO registered, with copy certificates available upon request, ensuring the efficient supply of consistent high quality products. Inspection trips can be arranged to suit our customers needs and we would be pleased to accompany these visits at any time.



## Contact Details

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[www.bearingexport.com](http://www.bearingexport.com)

[www.bearingimport.com](http://www.bearingimport.com)

[www.bearings-international.com](http://www.bearings-international.com)

[www.bearings-international.net](http://www.bearings-international.net)

[www.bearings-international.org.uk](http://www.bearings-international.org.uk)

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[www.chinesebearings.co.uk](http://www.chinesebearings.co.uk)

[www.ningbobearings.com](http://www.ningbobearings.com)