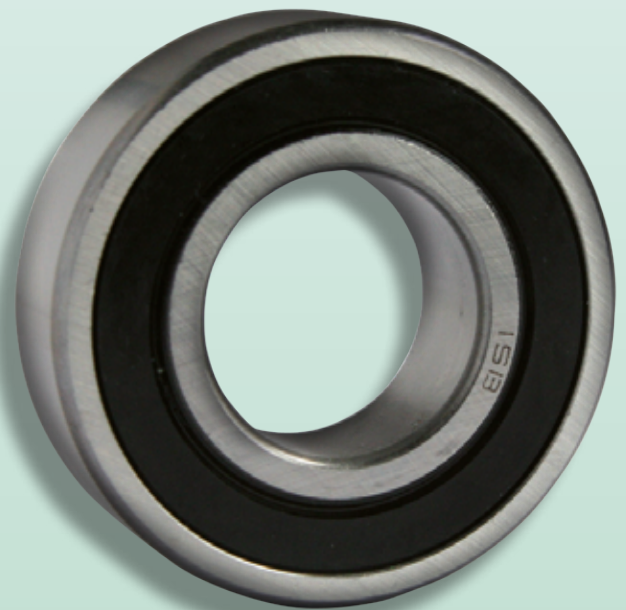




## Rodamientos de rodillos a rótula

*Self-aligning roller bearings*

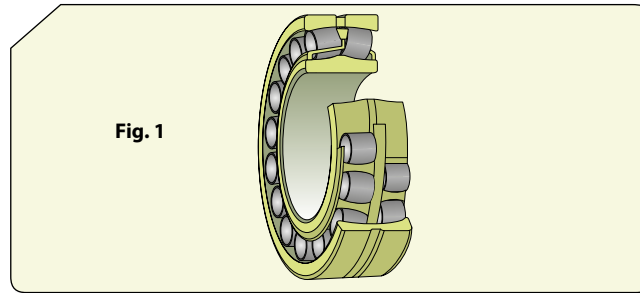


## RODAMIENTOS DE RODILLOS A RÓTULA

Los rodamientos **ISB**® de rodillos a rótula tienen dos hileras de rodillos que giran en un único camino de rodadura de forma esférica presente en el aro exterior (**Fig. 1**). Los correspondientes dos caminos de rodadura del aro interior están inclinados respecto al eje del rodamiento. Son autoalineables y por lo tanto insensibles a las desalineaciones de modesta magnitud del eje respecto al alojamiento o a la inflexión del mismo. Soportan cargas radiales y axiales en ambas direcciones.

## SPHERICAL ROLLER BEARINGS

**ISB**® spherical roller bearings have two rows of rollers that roll in one spherical raceway in the outer ring (**Fig. 1**). The two corresponding raceways of the inner ring are set at an angle compared to the bearing's axis. They are self-aligning and insensitive to slight misalignments of the shaft compared to the housing and to shaft deflections. They withstand radial and axial loads in both directions.



### RODAMIENTOS ESTÁNDARES

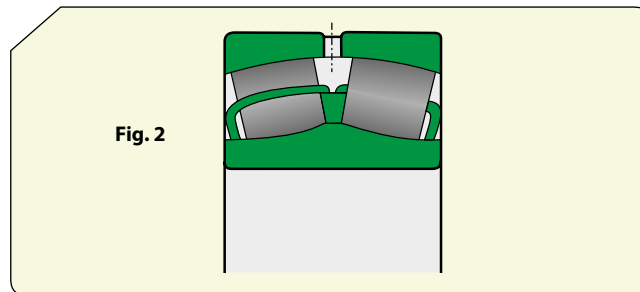
Se denominan rodamientos autoalineables:

- Rodamientos abiertos: según el tamaño o la serie se producen con diversos diseños, disponibles con agujero cónico o cilíndrico. El agujero cónico tiene una conicidad de 1:30 (serie 240,241,248 e 249, designación en el sufijo K30) o de 1:12 con K como sufijo en la designación. Una ranura anular y tres agujeros de lubricación en el aro exterior facilitan la lubricación del rodamiento (**Fig.2**).

### STANDARD BEARINGS

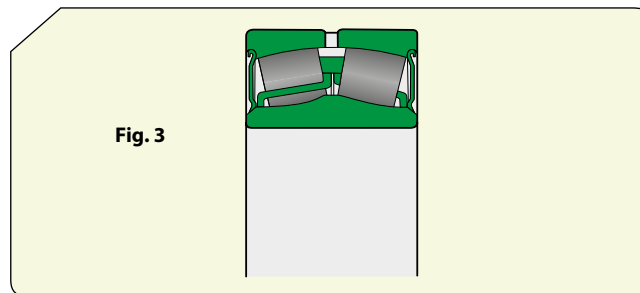
The spherical rollers bearings are:

- Open bearings: based on the size and series, they are manufactured in various versions, available with tapered or cylindrical bore. The tapered bore has a taper of either 1:30 (series 240,241,248 and 249, designation suffix K30) or of 1:12 with designation suffix K. The circumferential groove and three lubrication holes in the outer ring facilitate bearing lubrication (**Fig. 2**).



- Rodamientos obturados: Las obturaciones están reforzadas con chapa de acero y son de caucho nitrilo (NBR), lubricados con grasa para altísimas presiones, no deben ser llevados a temperaturas superiores a los 80°C y no se deben lavar (**Fig. 3**).

- Sealed bearings: The seals are reinforced with steel and are made of Nitrile-Butadiene-Rubber (NBR), they are lubricated with grease for very high pressures and must not be heated above 80°C or washed (**Fig. 3**).



- Rodamientos para aplicaciones vibratorias: las aplicaciones vibratorias, como las cribas, someten los rodamientos a mayores tensiones respecto a los rodamientos estándares.

- Bearings for vibratory applications: Vibratory applications, such as vibrating screens or energisers, subject the bearings to greater strain than standard bearings.

### RODAMIENTOS SOBRE MANGUITOS

Los rodamientos **ISB**<sup>®</sup> de rodillos a rótula con un agujero cónico se pueden montar sobre ejes lisos o escalonados usando:

- Manguito de fijación (**Fig. 4a**).
- Manguito de desmontaje (**Fig. 4b**).

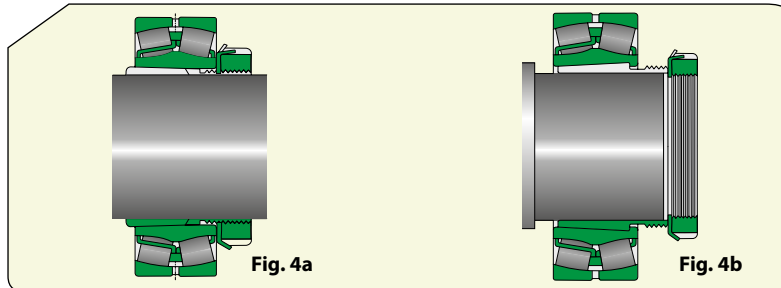
Los manguitos facilitan el montaje y desmontaje del rodamiento, simplificando el diseño de su disposición.

### BEARINGS ON SLEEVES

**ISB**<sup>®</sup> spherical roller bearings with tapered bore can be fitted on smooth or stepped shafts

- Adapter sleeve (**Fig. 4a**);
- Withdrawal sleeve (**Fig 4b**).

These sleeves facilitate assembly and disassembly and simplify the arrangement of the bearings.



### DIMENSIONES

Las dimensiones cumplen con la norma ISO 15:1998. Las dimensiones de los manguitos de fijación o de desmontaje cumplen con la norma ISO 2982-1:1995.

### TOLERANCIAS

Los rodamientos **ISB**<sup>®</sup> de rodillos a rótula con agujero cónico o cilíndrico se fabrican según la tolerancia normal.

### JUEGO INTERNO

Los rodamientos **ISB**<sup>®</sup> de rodillos a rótula se fabrican con juego interior radial normal. Muchos de ellos están disponibles también con juego interior sobredimensionado C3 y aún mayor, C4. Algunos de suministran con juego interior C2, menor que el normal. Verificar siempre la disponibilidad de los juegos interiores diferentes al normal (incluidos C5, mayor que C4) antes de efectuar el pedido.

### DESALINEACIÓN

Las desalineaciones angulares no influyen sobre las prestaciones en este tipo de rodamiento, en virtud de su forma constructiva.

### CAPACIDAD DE CARGA AXIAL

Soportan fuertes cargas axiales gracias a su especial forma constructiva interior.

### DESIGNACIONES SUPLEMENTARIAS

- C2** Juego radial interior inferior al normal
- C3** Juego radial interior superior al normal
- C4** Juego radial interior mayor que C3
- C5** Juego interior radial mayor que C4
- 2RS** Obturación de goma acrílonitrilo-butadieno (NBR), reforzada con chapa de acero en ambos lados del rodamiento. Ranura anular y tres agujeros de lubricación en el aro exterior
- K** Agujero cónico, conicidad 1:12
- K30** Agujero cónico, conicidad 1:30

### DIMENSIONS

The dimensions comply with standard ISO 15:1998. The dimensions of the adapter or withdrawal sleeves comply with standard ISO 2982-1:1995.

### TOLERANCES

**ISB**<sup>®</sup> spherical roller bearings with tapered or cylindrical bore are manufactured with Normal tolerance.

### INTERNAL CLEARANCE

**ISB**<sup>®</sup> spherical roller bearings are manufactured with Normal internal radial clearance. They are mostly available also with greater internal clearance C3 and much greater clearance C4. Some are supplied with internal clearance C2 that is smaller than Normal. Always check availability of internal clearances different to standard before placing orders (including C5, greater than C4).

### MISALIGNMENT

Angular misalignments do not affect the performance of this type of bearing thanks to its constructional design.

### AXIAL LOAD CARRYING CAPACITY

These bearings withstand strong axial loads thanks to the special internal constructional design.

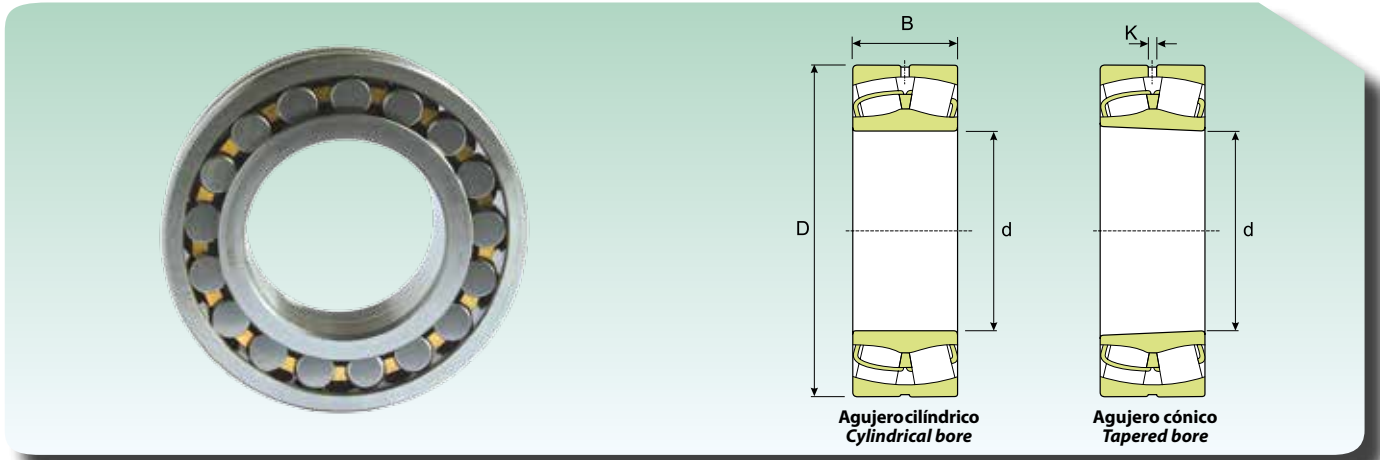
### SUPPLEMENTARY DESIGNATIONS

- C2** Internal radial clearance smaller than Normal.
- C3** Internal radial clearance greater than Normal.
- C4** Internal radial clearance greater than C3.
- C5** Internal radial clearance greater than C4.
- 2RS** Nitrile-Butadiene-Rubber contact seal (NBR), with sheet steel reinforcement, on both sides of the bearing. Circumferential groove and three lubrication holes in the outer ring.
- K** Tapered bore, taper 1:12.
- K30** Tapered bore, taper 1:30;

- P5** Mayor precisión dimensional y de rotación, de conformidad con la clase de tolerancia 5 de la norma ISO
- P6** Mayor precisión dimensional y de rotación, de conformidad con la clase de tolerancia 6 de la norma ISO
- P62** P6 + C2
- VA** Rodamientos para aplicaciones vibratorias
- W33** Ranura anular y tres agujeros de lubricación en el aro exterior

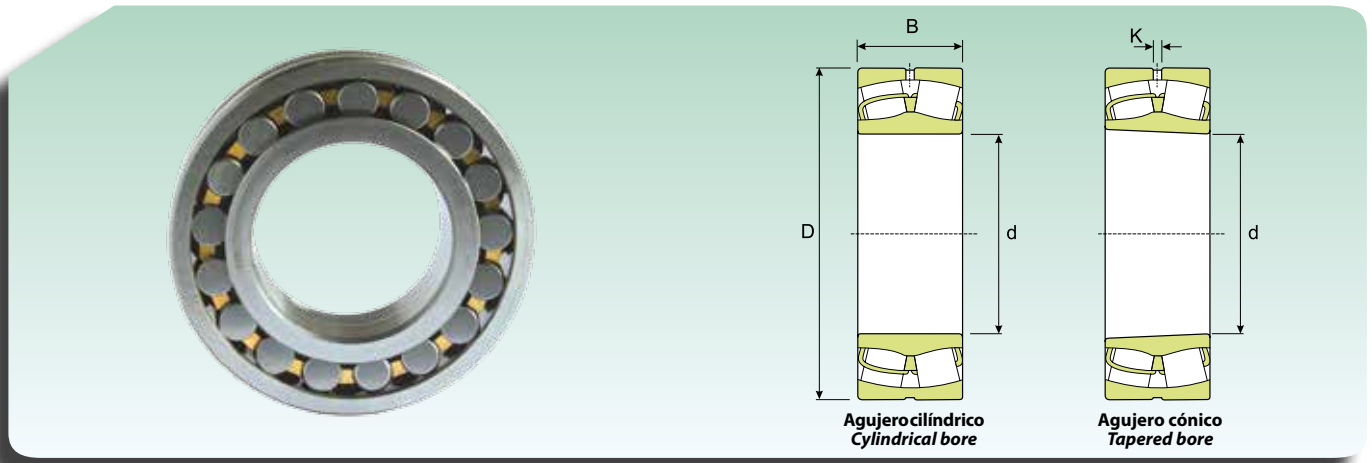
- P5** *Greater dimensional and rotation precision, compliant with tolerance class 5 of ISO standard*
- P6** *Greater dimensional and rotation precision, compliant with tolerance class 6 of ISO standard*
- P62** *P6 + C2*
- VA** *Bearings for vibratory applications*
- W33** *Circumferential groove and three lubrication holes in outer ring*

**RODAMIENTOS DE RODILLOS A RÓTULA**  
**SELF-ALIGNING ROLLER BEARINGS**



Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
20	52	18	2	48	43	13005	15300	0.28	22205/20	-
	62	17	-	41	41	9180	10800	0.28	21305	-
25	52	18	2	48	43	13005	15300	0.26	22205	22205 K
	62	17	-	41	41	9180	10800	0.28	21305	-
30	62	20	2	63	59	10710	12600	0.29	22206	22206 K
	72	19	-	54	60	7650	9000	0.41	21306	21306 K
35	72	23	2	85	83	9180	10800	0.45	22207	22207 K
	80	21	-	64	71	7267.5	8550	0.55	21307	21307 K
40	80	23	3	95	88	8415	9900	0.53	22208	22208 K
	90	23	3	102	106	7267.5	8550	0.75	21308	21308 K
	90	33	3	147	137	6120	7200	1.05	22308	22308 K
45	85	23	3	100	96	7650	9000	0.58	22209	22209 K
	100	25	3	123	124	6502.5	7650	0.99	21309	21309 K
	100	36	3	179	179	5355	6300	1.4	22309	22309 K
50	90	23	3	102	106	7267.5	8550	0.63	22210	22210 K
	110	27	3	153	163	5737.5	6750	1.35	21310	21310 K
	110	40	3	216	220	4819.5	5670	1.9	22310	22310 K
55	100	25	3	123	124	6502.5	7650	0.84	22211	22211 K
	120	29	3	153	163	5737.5	6750	1.7	21311	21311 K
	120	43	3	265	274	4284	5040	2.45	22311	22311 K
60	110	28	3	153	163	5737.5	6750	1.15	22212	22212 K
	130	31	3	208	235	4819.5	5670	2.1	21312	21312 K
	130	46	4.5	304	328	4054.5	4770	3.1	22312	22312 K
65	100	35	2	129	170	4819.5	5670	0.95	24013	24013 K30
	120	31	3	189	212	5355	6300	1.55	22213	22213 K
	140	33	3	231	265	4590	5400	2.55	21313	21313 K
	140	48	4.5	333	353	3825	4500	3.75	22313	22313 K
70	125	31	3	204	223	5125.5	6030	1.55	22214	22214 K
	150	35	3	279	319	4284	5040	3.1	21314	21314 K
	150	51	4.5	392	421	3442.5	4050	4.55	22314	22314 K
75	115	40	3	170	227	4054.5	4770	1.55	24015	24015 K30
	130	31	3	208	235	4819.5	5670	1.7	22215	22215 K
	160	37	3	279	319	4284	5040	3.75	21315	21315 K
	160	55	4.5	431	466	3289.5	3870	5.55	22315	22315 K
80	140	33	3	231	265	4590	5400	2.1	22216	22216 K
	170	39	3	319	368	4054.5	4770	4.45	21316	21316 K
	170	58	4.5	480	529	3060	3600	6.6	22316	22316 K
85	150	36	3	279	319	4284	5040	2.65	22217	22217 K
	180	41	3	319	368	4054.5	4770	5.2	21317	21317 K
	180	60	4.5	539	608	2907	3420	7.65	22317	22317 K

Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

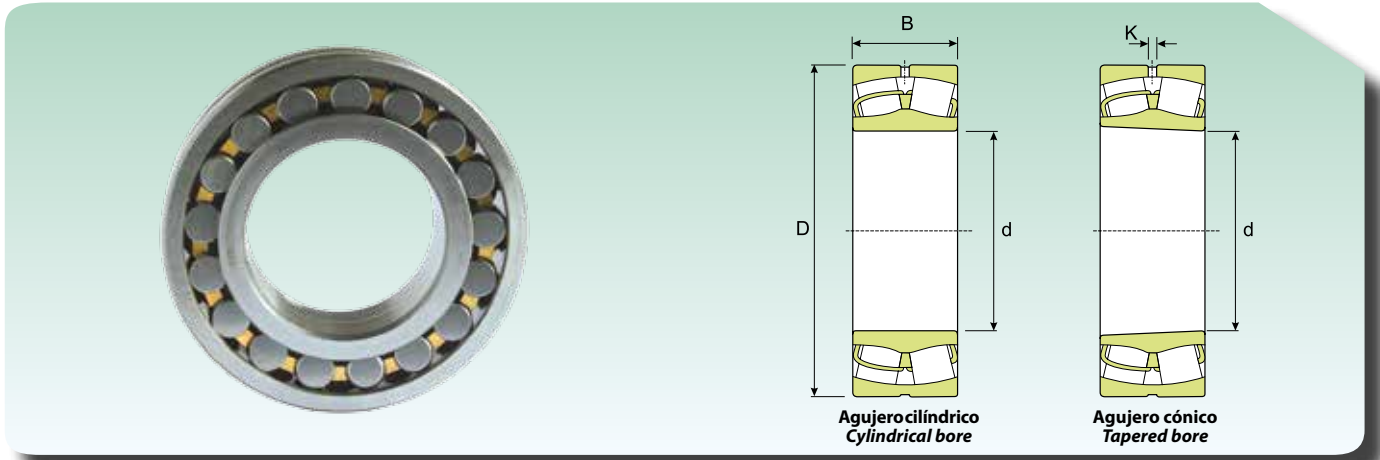
**RODAMIENTOS DE RODILLOS A RÓTULA  
SELF-ALIGNING ROLLER BEARINGS**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>90</b>	160	40	3	319	368	4054.5	4770	3.4	<b>22218</b>	<b>22218 K</b>
	160	52.4	3	348	431	2907	3420	4.65	<b>23218</b>	<b>23218 K</b>
	190	43	4.5	372	441	3672	4320	6.1	<b>21318</b>	<b>21318 K</b>
	190	64	6	598	681	2754	3240	9.05	<b>22318</b>	<b>22318 K</b>
<b>95</b>	170	43	4.5	372	441	3672	4320	4.15	<b>22219</b>	<b>22219 K</b>
	200	45	4.5	417	480	3442.5	4050	7.05	<b>21319</b>	<b>21319 K</b>
	200	67	6	657	750	2601	3060	10.5	<b>22319</b>	<b>22319 K</b>
<b>100</b>	150	50	3	279	407	3060	3600	3.15	<b>24020</b>	<b>24020 K30</b>
	165	52	3	358	480	3060	3600	4.55	<b>23120</b>	<b>23120 K</b>
	165	65	2	446	627	2448	2880	5.65	<b>24120</b>	<b>24120 K30</b>
	180	46	4.5	417	480	3442.5	4050	4.9	<b>22220</b>	<b>22220 K</b>
	180	60.3	4.5	466	588	2601	3060	6.85	<b>23220</b>	<b>23220 K</b>
	215	47	4.5	417	480	3442.5	4050	8.6	<b>21320</b>	<b>21320 K</b>
	215	73	6	799	931	2295	2700	13.5	<b>22320</b>	<b>22320 K</b>
<b>110</b>	170	45	3	304	431	3289.5	3870	3.8	<b>23022</b>	<b>23022 K</b>
	170	60	3	407	608	2754	3240	5	<b>24022</b>	<b>24022 K30</b>
	180	56	4.5	421	573	2754	3240	5.75	<b>23122</b>	<b>23122 K</b>
	180	69	3	510	735	2295	2700	7.1	<b>24122</b>	<b>24122 K30</b>
	200	53	4.5	549	627	3060	3600	7	<b>22222</b>	<b>22222 K</b>
	200	69.8	4.5	588	750	2448	2880	9.85	<b>23222</b>	<b>23222 K</b>
	240	80	7.5	931	1098	2142	2520	18.4	<b>22322</b>	<b>22322 K</b>
<b>120</b>	180	46	3	348	500	3060	3600	4.2	<b>23024</b>	<b>23024 K</b>
	180	60	3	421	657	2601	3060	5.45	<b>24024</b>	<b>24024 K30</b>
	200	62	4.5	500	681	2601	3060	8	<b>23124</b>	<b>23124 K</b>
	200	80	3	642	931	1989	2340	10.3	<b>24124</b>	<b>24124 K30</b>
	215	58	6	617	750	2907	3420	8.7	<b>22224</b>	<b>22224 K</b>
	215	76	4.5	681	911	2142	2520	12	<b>23224</b>	<b>23224 K</b>
	260	86	7.5	946	1098	1989	2340	23	<b>22324</b>	<b>22324 K</b>
	<b>130</b>	200	52	4.5	421	598	2754	3240	6	<b>23026</b>
200		69	3	529	799	2295	2700	8.05	<b>24026</b>	<b>24026 K30</b>
210		64	4.5	549	764	2448	2880	8.8	<b>23126</b>	<b>23126 K</b>
210		80	3	666	980	1836	2160	11	<b>24126</b>	<b>24126 K30</b>
230		64	6	720	911	2754	3240	11	<b>22226</b>	<b>22226 K</b>
230		80	4.5	764	1039	1989	2340	14.5	<b>23226</b>	<b>23226 K</b>
280		93	9	1098	1294	1836	2160	29	<b>22326</b>	<b>22326 K</b>
<b>140</b>		210	53	4.5	456	666	2601	3060	6.55	<b>23028</b>
	210	69	3	559	882	2142	2520	8.55	<b>24028</b>	<b>24028 K30</b>
	225	68	4.5	617	882	2142	2520	10.5	<b>23128</b>	<b>23128 K</b>
	225	85	4.5	750	1137	1836	2160	13.5	<b>24128</b>	<b>24128 K30</b>
	250	68	6	696	882	2448	2880	14	<b>22228</b>	<b>22228 K</b>
	250	88	6	897	1225	1836	2160	19	<b>23228</b>	<b>23228 K</b>
	300	102	9	1264	1529	1683	1980	36.5	<b>22328</b>	<b>22328 K</b>

Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

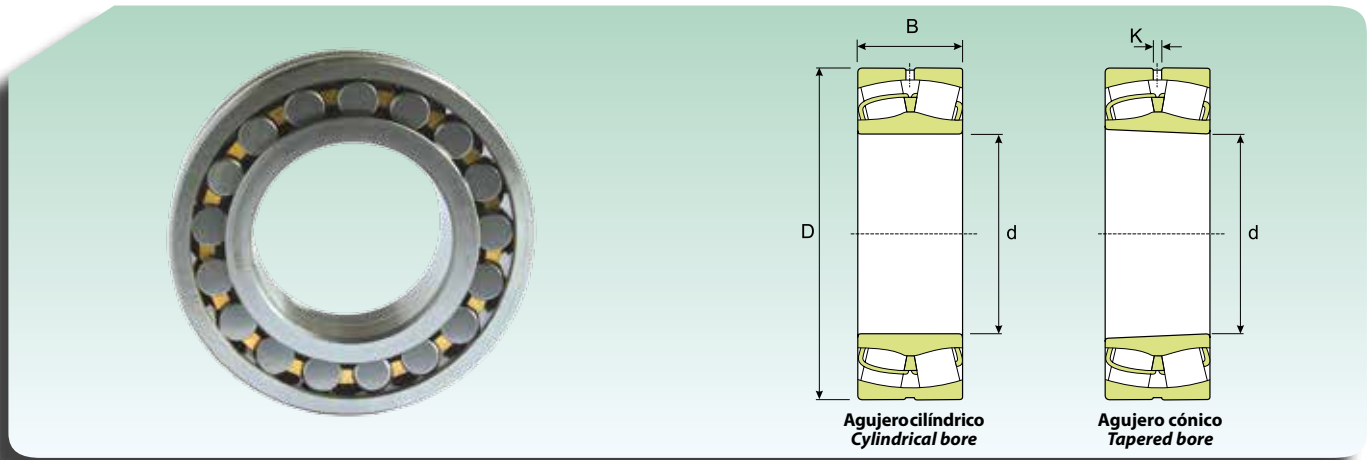


**RODAMIENTOS DE RODILLOS A RÓTULA**  
**SELF-ALIGNING ROLLER BEARINGS**



Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>150</b>	225	56	4.5	500	735	2448	2880	7.95	<b>23030</b>	<b>23030 K</b>
	225	75	3	642	1019	1989	2340	10.5	<b>24030</b>	<b>24030 K30</b>
	250	80	6	813	1176	1989	2340	16	<b>23130</b>	<b>23130 K</b>
	250	100	4.5	1000	1499	1683	1980	20	<b>24130</b>	<b>24130 K30</b>
	270	73	7.5	833	1058	2295	2700	18	<b>22230</b>	<b>22230 K</b>
	270	96	6	1058	1431	1683	1980	24.5	<b>23230</b>	<b>23230 K</b>
	320	108	9	1431	1725	1530	1800	43.5	<b>22330</b>	<b>22330 K</b>
<b>160</b>	240	60	6	573	862	2295	2700	9.7	<b>23032</b>	<b>23032 K</b>
	240	80	4.5	735	1176	1836	2160	13	<b>24032</b>	<b>24032 K30</b>
	270	86	7.5	960	1343	1836	2160	20.5	<b>23132</b>	<b>23132 K</b>
	270	109	4.5	1156	1725	1453.5	1710	25	<b>24132</b>	<b>24132 K30</b>
	290	80	7.5	980	1264	2142	2520	22.5	<b>22232</b>	<b>22232 K</b>
	290	104	7.5	1196	1627	1683	1980	31	<b>23232</b>	<b>23232 K</b>
	340	114	9	1568	1921	1453.5	1710	52	<b>22332</b>	<b>22332 K</b>
<b>170</b>	260	67	6	696	1039	2142	2520	13	<b>23034</b>	<b>23034 K</b>
	260	90	4.5	911	1431	1836	2160	17.5	<b>24034</b>	<b>24034 K30</b>
	280	88	7.5	1019	1470	1836	2160	22	<b>23134</b>	<b>23134 K</b>
	280	109	4.5	1196	1823	1453.5	1710	27.5	<b>24134</b>	<b>24134 K30</b>
	310	86	9	1098	1431	1989	2340	28.5	<b>22234</b>	<b>22234 K</b>
	310	110	7.5	1372	1891	1530	1800	37.5	<b>23234</b>	<b>23234 K</b>
	360	120	9	1725	2117	1377	1620	61	<b>22334</b>	<b>22334 K</b>
<b>180</b>	250	52	3	422	813	2142	2520	7.9	<b>23936</b>	<b>23936 K</b>
	280	74	7.5	813	1225	1989	2340	17	<b>23036</b>	<b>23036 K</b>
	280	100	4.5	1058	1695	1683	1980	23	<b>24036</b>	<b>24036 K30</b>
	300	96	7.5	1176	1725	1683	1980	28	<b>23136</b>	<b>23136 K</b>
	300	118	6	1372	2117	1300.5	1530	34.5	<b>24136</b>	<b>24136 K30</b>
	320	86	9	1156	1529	1989	2340	29.5	<b>22236</b>	<b>22236 K</b>
	320	112	7.5	1470	2078	1453.5	1710	39.5	<b>23236</b>	<b>23236 K</b>
	380	126	9	1960	2401	1300.5	1530	71.5	<b>22336</b>	<b>22336 K</b>
<b>190</b>	260	52	3	406	784	1989	2340	8.3	<b>23938</b>	<b>23938 K</b>
	290	75	7.5	848	1313	1836	2160	18	<b>23038</b>	<b>23038 K</b>
	290	100	4.5	1098	1764	1530	1800	24.5	<b>24038</b>	<b>24038 K30</b>
	320	104	7.5	1343	2038	1530	1800	35	<b>23138</b>	<b>23138 K</b>
	320	128	6	1568	2450	1224	1440	43	<b>24138</b>	<b>24138 K30</b>
	340	92	9	1245	1666	1836	2160	36.5	<b>22238</b>	<b>22238 K</b>
	340	120	9	1627	2352	1377	1620	48	<b>23238</b>	<b>23238 K</b>
	400	132	6	2078	2597	1224	1440	82.5	<b>22338</b>	<b>22338 K</b>
<b>200</b>	280	60	4.5	535	1019	1836	2160	11.5	<b>23940</b>	<b>23940 K</b>
	310	82	7.5	980	1499	1683	1980	23.3	<b>23040</b>	<b>23040 K</b>
	310	109	6	1264	2078	1453.5	1710	31	<b>24040</b>	<b>24040 K30</b>
	340	112	9	1568	2313	1453.5	1710	43	<b>23140</b>	<b>23140 K</b>
	340	140	6	1764	2744	1147.5	1350	53.5	<b>24140</b>	<b>24140 K30</b>
	360	98	9	1431	1891	1683	1980	43.5	<b>22240</b>	<b>22240 K</b>
	360	128	9	1823	2646	1300.5	1530	58	<b>23240</b>	<b>23240 K</b>
	420	138	12	2274	2842	1147.5	1350	95	<b>22340</b>	<b>22340 K</b>

Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication holes in outer ring.

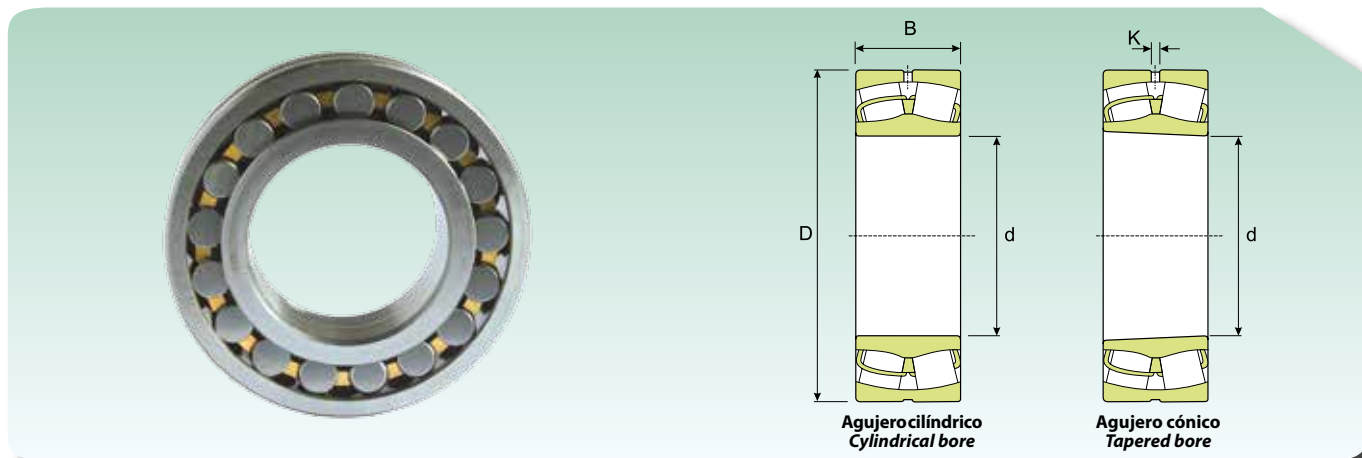
**RODAMIENTOS DE RODILLOS A RÓTULA  
SELF-ALIGNING ROLLER BEARINGS**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>220</b>	300	60	4.5	535	1058	1683	1980	12.5	<b>23944</b>	<b>23944 K</b>
	340	90	7.5	1196	1823	1530	1800	30.5	<b>23044</b>	<b>23044 K</b>
	340	118	6	1529	2548	1300.5	1530	40	<b>24044</b>	<b>24044 K30</b>
	370	120	9	1764	2695	1300.5	1530	53.5	<b>23144</b>	<b>23144 K</b>
	370	150	6	2078	3283	1071	1260	67	<b>24144</b>	<b>24144 K30</b>
	400	108	9	1725	2313	1530	1800	60.5	<b>22244</b>	<b>22244 K</b>
	400	144	9	2313	3381	1147.5	1350	81.5	<b>23244</b>	<b>23244 K</b>
	460	145	12	2646	3381	1071	1260	120	<b>22344</b>	<b>22344 K</b>
<b>240</b>	320	60	4.5	553	1137	1530	1800	13.5	<b>23948</b>	<b>23948 K</b>
	360	92	7.5	1264	2038	1453.5	1710	33.5	<b>23048</b>	<b>23048 K</b>
	360	118	6	1568	2646	1224	1440	43	<b>24048</b>	<b>24048 K30</b>
	400	128	9	2038	3136	1224	1440	66.5	<b>23148</b>	<b>23148 K</b>
	400	160	6	2352	3822	994.5	1170	83	<b>24148</b>	<b>24148 K30</b>
	440	120	9	2156	2940	1377	1620	83	<b>22248</b>	<b>22248 K</b>
	440	160	9	2842	4214	994.5	1170	110	<b>23248</b>	<b>23248 K</b>
	500	155	12	3038	3920	994.5	1170	155	<b>22348</b>	<b>22348 K</b>
<b>260</b>	360	75	4.5	862	1764	1453.5	1710	23.5	<b>23952</b>	<b>23952 K</b>
	400	104	7.5	1568	2499	1300.5	1530	48.5	<b>23052</b>	<b>23052 K</b>
	400	140	6	1999	3381	1071	1260	65.5	<b>24052</b>	<b>24052 K30</b>
	440	144	9	2499	3822	1071	1260	90.5	<b>23152</b>	<b>23152 K</b>
	440	180	6	2940	4704	918	1080	110	<b>24152</b>	<b>24152 K30</b>
	480	130	12	2597	3479	1224	1440	110	<b>22252</b>	<b>22252 K</b>
	480	174	12	3185	4655	918	1080	140	<b>23252</b>	<b>23252 K</b>
	540	165	12	3479	4459	841.5	990	190	<b>22352</b>	<b>22352 K</b>
<b>280</b>	380	75	6	828	1725	1300.5	1530	25	<b>23956</b>	<b>23956 K</b>
	420	106	9	1695	2793	1224	1440	52.5	<b>23056</b>	<b>23056 K</b>
	420	140	6	2117	3724	1071	1260	69.5	<b>24056</b>	<b>24056 K30</b>
	460	146	9	2597	4165	994.5	1170	97	<b>23156</b>	<b>23156 K</b>
	460	180	7.5	3038	4998	841.5	990	120	<b>24156</b>	<b>24156 K30</b>
	500	130	12	2646	3675	1147.5	1350	115	<b>22256</b>	<b>22256 K</b>
	500	176	12	3185	4802	841.5	990	150	<b>23256</b>	<b>23256 K</b>
	580	175	12	3920	5096	841.5	990	235	<b>22356</b>	<b>22356 K</b>
<b>300</b>	380	90	-	620	1560	1150	1350	16.5	<b>23860</b>	<b>23860 K</b>
	420	90	6	1176	2450	1224	1440	39.5	<b>23960</b>	<b>23960 K</b>
	460	118	9	2078	3381	1147.5	1350	71.5	<b>23060</b>	<b>23060 K</b>
	460	160	7.5	2646	4655	918	1080	97	<b>24060</b>	<b>24060 K30</b>
	500	160	9	3136	4998	918	1080	125	<b>23160</b>	<b>23160 K</b>
	500	200	7.5	3675	6174	765	900	160	<b>24160</b>	<b>24160 K30</b>
	540	140	12	3087	4165	1071	1260	145	<b>22260</b>	<b>22260 K</b>
	540	192	12	3822	5733	765	900	190	<b>23260</b>	<b>23260 K</b>
<b>320</b>	440	90	6	1401	2646	1147.5	1350	42	<b>23964</b>	<b>23964 K</b>
	480	121	9	2195	3724	1071	1260	78	<b>23064</b>	<b>23064 K</b>
	480	160	7.5	2793	4998	918	1080	100	<b>24064</b>	<b>24064 K30</b>
	540	176	12	3675	5880	841.5	990	165	<b>23164</b>	<b>23164 K</b>
	540	218	9	4165	6958	688.5	810	210	<b>24164</b>	<b>24164 K30</b>
	580	150	12	3528	4802	994.5	1170	175	<b>22264</b>	<b>22264 K</b>
	580	208	12	4312	6566	726.75	855	240	<b>23264</b>	<b>23264 K</b>

Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

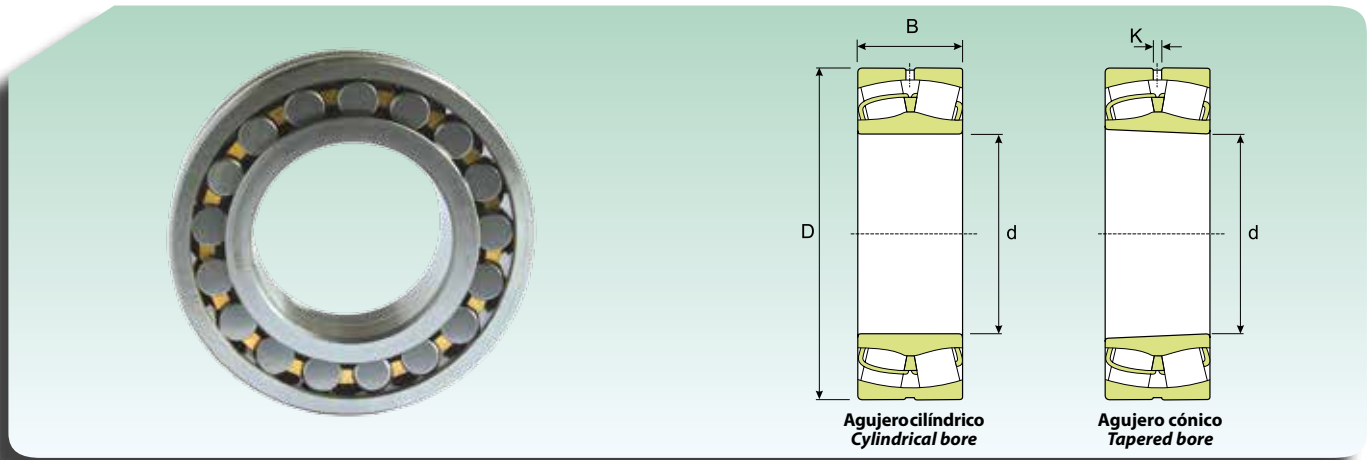


**RODAMIENTOS DE RODILLOS A RÓTULA**  
**SELF-ALIGNING ROLLER BEARINGS**



Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>340</b>	460	90	6	1431	2744	1071	1260	45.5	<b>23968</b>	<b>23968 K</b>
	520	133	12	2646	4459	994.5	1170	105	<b>23068</b>	<b>23068 K</b>
	520	180	9	3381	6076	841.5	990	140	<b>24068</b>	<b>24068 K30</b>
	580	190	12	4165	6664	765	900	210	<b>23168</b>	<b>23168 K</b>
	580	243	9	5194	8477	650.25	765	280	<b>24168</b>	<b>24168 K30</b>
	620	224	12	4998	7644	612	720	295	<b>23268</b>	<b>23268 K</b>
<b>360</b>	480	90	6	1372	2695	994.5	1170	46	<b>23972</b>	<b>23972 K</b>
	540	134	12	2695	4704	918	1080	110	<b>23072</b>	<b>23072 K</b>
	540	180	9	3479	6419	765	900	145	<b>24072</b>	<b>24072 K30</b>
	600	192	12	4214	6811	765	900	220	<b>23172</b>	<b>23172 K</b>
	600	243	9	5488	9114	612	720	280	<b>24172</b>	<b>24172 K30</b>
	650	170	12	4214	6076	650.25	765	255	<b>22272</b>	<b>22272 K</b>
650	232	12	5292	8134	573.75	675	335	<b>23272</b>	<b>23272 K</b>	
<b>380</b>	520	106	7.5	1921	3724	918	1080	69	<b>23976</b>	<b>23976 K</b>
	560	135	12	2842	4900	918	1080	115	<b>23076</b>	<b>23076 K</b>
	560	180	9	3528	6664	726.75	855	150	<b>24076</b>	<b>24076 K30</b>
	620	194	12	4312	6958	765	900	230	<b>23176</b>	<b>23176 K</b>
	620	243	9	5586	9604	650.25	765	300	<b>24176</b>	<b>24176 K30</b>
	680	240	12	5733	8967	573.75	675	375	<b>23276</b>	<b>23276 K</b>
<b>400</b>	540	106	7.5	1960	3822	918	1080	71	<b>23980</b>	<b>23980 K</b>
	600	148	12	3185	5586	841.5	990	150	<b>23080</b>	<b>23080 K</b>
	600	200	12	4214	7840	688.5	810	205	<b>24080</b>	<b>24080 K30</b>
	650	200	12	4557	7497	726.75	855	265	<b>23180</b>	<b>23180 K</b>
	650	250	12	6076	10388	612	720	340	<b>24180</b>	<b>24180 K30</b>
	720	256	12	6419	10192	512.55	603	450	<b>23280</b>	<b>23280 K</b>
820	243	12	7350	10192	573.75	675	650	<b>22380</b>	<b>22380 K</b>	
<b>420</b>	560	106	9	1999	4067	841.5	990	74.5	<b>23984</b>	<b>23984 K</b>
	620	150	12	3332	5880	841.5	990	155	<b>23084</b>	<b>23084 K</b>
	620	200	12	4312	8134	688.5	810	210	<b>24084</b>	<b>24084 K30</b>
	700	224	12	5488	9114	688.5	810	350	<b>23184</b>	<b>23184 K</b>
	700	280	12	7203	12348	535.5	630	445	<b>24184</b>	<b>24184 K30</b>
	760	272	12	7203	11368	481.95	567	535	<b>23284</b>	<b>23284 K</b>
<b>440</b>	600	118	9	2401	4802	765	900	99.5	<b>23988</b>	<b>23988 K</b>
	650	157	12	3577	6419	765	900	180	<b>23088</b>	<b>23088 K</b>
	650	212	12	4704	8967	650.25	765	245	<b>24088</b>	<b>24088 K30</b>
	720	226	12	5880	9800	650.25	765	360	<b>23188</b>	<b>23188 K</b>
	720	280	12	7350	12936	535.5	630	460	<b>24188</b>	<b>24188 K30</b>
	790	280	12	7644	12250	459	540	590	<b>23288</b>	<b>23288 K</b>
<b>460</b>	580	118	6	1754	4802	841.5	990	75.5	<b>24892</b>	<b>24892 K30</b>
	620	118	9	2450	4900	765	900	105	<b>23992</b>	<b>23992 K</b>
	680	163	12	3822	6811	726.75	855	205	<b>23092</b>	<b>23092 K</b>
	680	218	12	5096	9800	612	720	275	<b>24092</b>	<b>24092 K30</b>
	760	240	12	6272	10584	612	720	440	<b>23192</b>	<b>23192 K</b>
	760	300	12	8134	14308	512.55	603	560	<b>24192</b>	<b>24192 K30</b>
	830	296	12	8330	13426	428.4	504	695	<b>23292</b>	<b>23292 K</b>

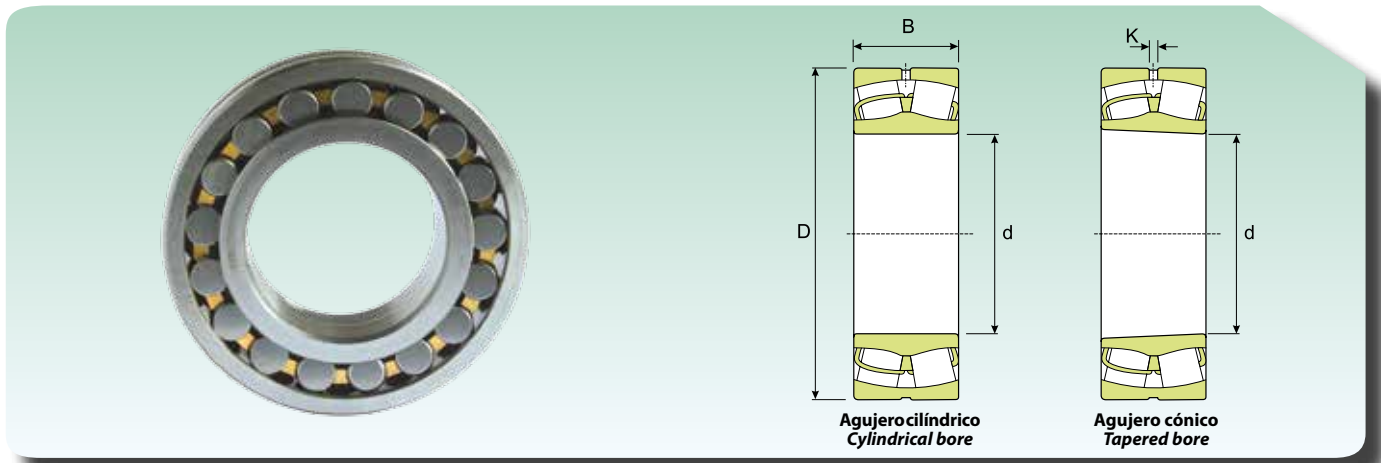
Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

**RODAMIENTOS DE RODILLOS A RÓTULA  
SELF-ALIGNING ROLLER BEARINGS**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>480</b>	600	90	7.5	1411	3675	792	990	61	<b>23896</b>	<b>23896 K</b>
	650	128	7.5	2842	5586	765	900	125	<b>23996</b>	<b>23996 K</b>
	700	165	9	3822	6664	726.75	855	215	<b>23096</b>	<b>23096 K</b>
	700	218	12	5194	10192	573.75	675	285	<b>24096</b>	<b>24096 K30</b>
	790	248	12	6811	11760	573.75	675	485	<b>23196</b>	<b>23196 K</b>
	790	308	12	8820	15288	481.95	567	605	<b>24196</b>	<b>24196 K30</b>
	870	310	12	9114	14700	405.45	477	800	<b>23296</b>	<b>23296 K</b>
<b>500</b>	620	90	7.5	1450	3920	900	720	62	<b>238/500</b>	<b>238/500 K</b>
	670	128	7.5	2842	5880	726.75	855	130	<b>239/500</b>	<b>239/500 K</b>
	720	167	12	4067	7644	688.5	810	225	<b>230/500</b>	<b>230/500 K</b>
	720	218	12	5390	10780	535.5	630	295	<b>240/500</b>	<b>240/500 K30</b>
	830	264	12	7497	12642	535.5	630	580	<b>231/500</b>	<b>231/500 K</b>
	830	325	12	9604	16660	459	540	700	<b>241/500</b>	<b>241/500 K30</b>
	920	336	12	10388	16954	382.5	450	985	<b>232/500</b>	<b>232/500 K</b>
<b>530</b>	650	118	7.5	1803	5194	726.75	855	86	<b>248/530</b>	<b>248/530 K30</b>
	710	136	12	3136	6566	688.5	810	155	<b>239/530</b>	<b>239/530 K</b>
	780	185	12	4998	9114	612	720	310	<b>230/530</b>	<b>230/530 K</b>
	780	250	12	6566	12936	512.55	603	410	<b>240/530</b>	<b>240/530 K30</b>
	870	272	12	7987	13720	512.55	603	645	<b>231/530</b>	<b>231/530 K</b>
	870	335	12	10388	18620	428.4	504	830	<b>241/530</b>	<b>241/530 K30</b>
	980	355	12	10878	19992	367.2	432	1200	<b>232/530</b>	<b>232/530 K</b>
<b>560</b>	750	140	12	3381	7056	650.25	765	175	<b>239/560</b>	<b>239/560 K</b>
	820	195	12	5488	9996	573.75	675	355	<b>230/560</b>	<b>230/560 K</b>
	820	258	12	7203	14308	481.95	567	465	<b>240/560</b>	<b>240/560 K30</b>
	920	280	12	8967	15680	481.95	567	740	<b>231/560</b>	<b>231/560 K</b>
	920	355	12	11760	21168	382.5	450	985	<b>241/560</b>	<b>241/560 K30</b>
	1030	365	12	11270	21560	328.95	387	1350	<b>232/560</b>	<b>232/560 K</b>
<b>600</b>	800	150	12	3822	8134	573.75	675	220	<b>239/600</b>	<b>239/600 K</b>
	870	200	12	5880	11172	535.5	630	405	<b>230/600</b>	<b>230/600 K</b>
	870	272	12	7987	16660	428.4	504	520	<b>240/600</b>	<b>240/600 K30</b>
	980	300	12	9996	17640	428.4	504	895	<b>231/600</b>	<b>231/600 K</b>
	980	375	12	11270	23128	367.2	432	1200	<b>241/600</b>	<b>241/600 K30</b>
	1090	388	12	12838	24990	306	360	1600	<b>232/600</b>	<b>232/600 K</b>
<b>630</b>	780	112	9	2146	5978	573.75	675	120	<b>238/630</b>	<b>238/630 K</b>
	850	165	12	4557	9604	535.5	630	280	<b>239/630</b>	<b>239/630 K</b>
	920	212	12	6566	12250	512.55	603	485	<b>230/630</b>	<b>230/630 K</b>
	920	290	12	8624	17640	405.45	477	645	<b>240/630</b>	<b>240/630 K30</b>
	1030	315	12	10290	20384	405.45	477	1050	<b>231/630</b>	<b>231/630 K</b>
	1030	400	12	12446	26460	344.25	405	1400	<b>241/630</b>	<b>241/630 K30</b>
<b>670</b>	820	112	9	2205	6272	535.5	630	130	<b>238/670</b>	<b>238/670 K</b>
	820	150	9	3048	9310	535.5	630	172	<b>248/670</b>	-
	900	170	12	4900	10584	512.55	603	315	<b>239/670</b>	<b>239/670 K</b>
	980	230	12	7497	14308	459	540	600	<b>230/670</b>	<b>230/670 K</b>
	980	308	12	9800	19992	382.5	450	790	<b>240/670</b>	<b>240/670 K30</b>
	1090	336	12	10682	21952	382.5	450	1250	<b>231/670</b>	<b>231/670 K</b>

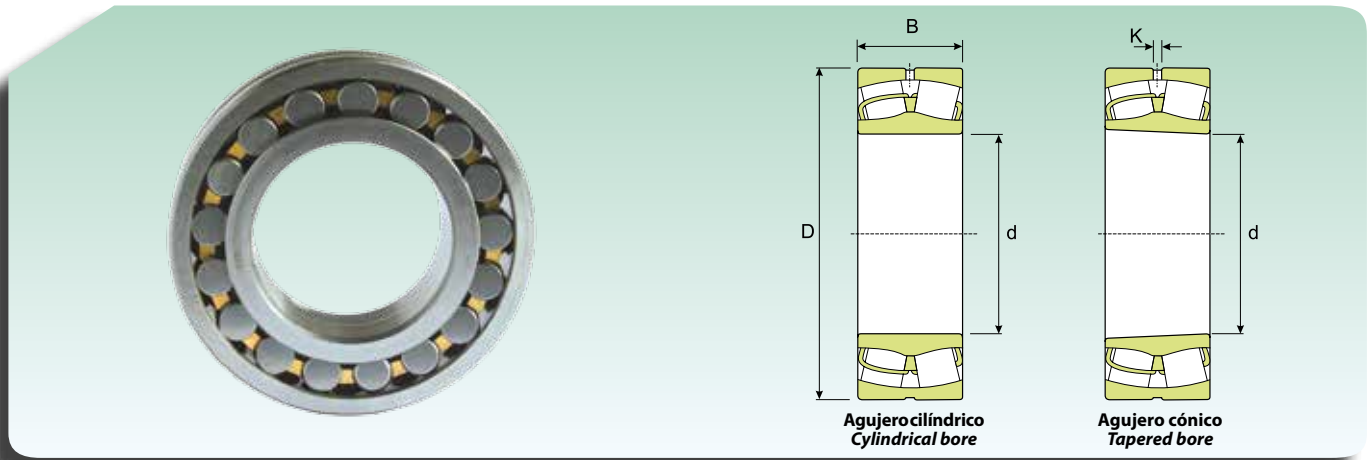
Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

**RODAMIENTOS DE RODILLOS A RÓTULA**  
**SELF-ALIGNING ROLLER BEARINGS**



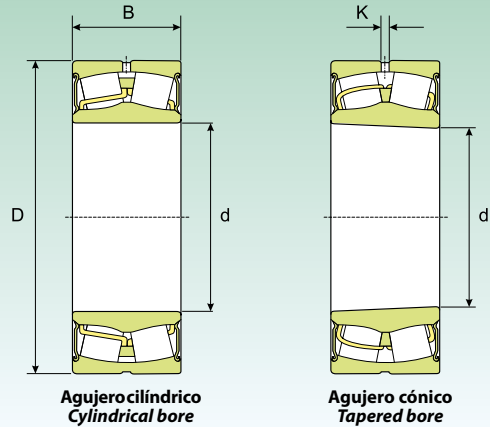
Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>670</b>	1090	412	12	13524	28420	306	360	1600	<b>241/670</b>	<b>241/670 K30</b>
	1220	438	12	15092	29890	275.4	324		2270	<b>232/670</b>
<b>710</b>	870	118	12	2528	7350	512.55	603	153	<b>238/710</b>	-
	950	180	12	5488	11760	459	540	365	<b>239/710</b>	<b>239/710 K</b>
	950	243	12	6664	15288	382.5	450	495	<b>249/710</b>	<b>249/710 K30</b>
	1030	236	12	8134	15974	428.4	504	670	<b>230/710</b>	<b>230/710 K</b>
	1030	315	12	10388	22344	344.25	405	895	<b>240/710</b>	<b>240/710 K30</b>
	1150	345	12	11956	25480	344.25	405	1450	<b>231/710</b>	<b>231/710 K</b>
	1150	438	12	14896	31850	290.7	342	1900	<b>241/710</b>	<b>241/710 K30</b>
	1280	450	12	17248	33810	244.8	288	2610	<b>232/710</b>	<b>232/710 K</b>
<b>750</b>	920	128	12	2871	8330	459	540	180	<b>238/750</b>	<b>238/750 K</b>
	1000	185	12	5880	12936	428.4	504	420	<b>239/750</b>	<b>239/750 K</b>
	1000	250	12	7497	17640	367.2	432	560	<b>249/750</b>	<b>249/750 K30</b>
	1090	250	12	9457	18228	405.45	477	795	<b>230/750</b>	<b>230/750 K</b>
	1090	335	12	11564	24500	328.95	387	1065	<b>240/750</b>	<b>240/750 K30</b>
	1220	365	12	13524	28420	328.95	387	1700	<b>231/750</b>	<b>231/750 K</b>
	1220	475	12	16954	36750	275.4	324	2100	<b>241/750</b>	<b>241/750 K30</b>
	1360	475	12	18326	35770	229.5	270	3050	<b>232/750</b>	<b>232/750 K</b>
<b>800</b>	980	180	12	4057	12642	428.4	504	300	<b>248/800</b>	<b>248/800 K30</b>
	1060	195	12	6272	14014	405.45	477	470	<b>239/800</b>	<b>239/800 K</b>
	1060	258	12	7840	18914	328.95	387	640	<b>249/800</b>	<b>249/800 K30</b>
	1150	258	12	9800	19600	367.2	432	895	<b>230/800</b>	<b>230/800 K</b>
	1150	345	12	12642	27930	306	360	1200	<b>240/800</b>	<b>240/800 K30</b>
	1280	375	12	14504	30870	306	360	1920	<b>231/800</b>	<b>231/800 K</b>
	1280	475	12	18032	39690	244.8	288	2300	<b>241/800</b>	<b>241/800 K30</b>
	<b>850</b>	1030	136	12	3273	9800	405.45	477	240	<b>238/850</b>
1120		200	12	6811	15288	367.2	432	560	<b>239/850</b>	<b>239/850 K</b>
1120		272	12	9114	22344	306	360	740	<b>249/850</b>	<b>249/850 K30</b>
1220		272	12	9183	21168	344.25	405	1050	<b>230/850</b>	<b>230/850 K</b>
1220		365	12	12446	30870	275.4	324	1410	<b>240/850</b>	<b>240/850 K30</b>
1360		400	12	15778	33810	275.4	324	2200	<b>231/850</b>	<b>231/850 K</b>
1360		500	12	19796	44100	229.5	270	2710	<b>241/850</b>	<b>241/850 K30</b>
<b>900</b>		1090	190	12	4567	14994	367.2	432	370	<b>248/900</b>
	1180	206	12	7350	16660	344.25	405	605	<b>239/900</b>	<b>239/900 K</b>
	1280	280	12	9898	22736	306	360	1200	<b>230/900</b>	<b>230/900 K</b>
	1280	375	12	13328	33810	260.1	306	1570	<b>240/900</b>	<b>240/900 K30</b>
	1420	515	12	20972	48020	214.2	252	3350	<b>241/900</b>	<b>241/900 K30</b>
<b>950</b>	1250	224	12	7105	19208	328.95	387	755	<b>239/950</b>	<b>239/950 K</b>
	1250	300	12	9016	25480	260.1	306	1015	<b>249/950</b>	<b>249/950 K30</b>
	1360	300	12	11760	27930	290.7	342	1450	<b>230/950</b>	<b>230/950 K</b>
	1360	412	12	14504	38220	229.5	270	1990	<b>240/950</b>	<b>240/950 K30</b>
	1500	545	12	23422	53900	198.9	234	3535	<b>241/950</b>	<b>241/950 K30</b>

Bajo demanda disponible con ranura anular y tres agujeros de lubricación en el aro exterior.  
Under request available with circumferential groove and three lubrication noles in auter ring.

**RODAMIENTOS DE RODILLOS A RÓTULA  
SELF-ALIGNING ROLLER BEARINGS**


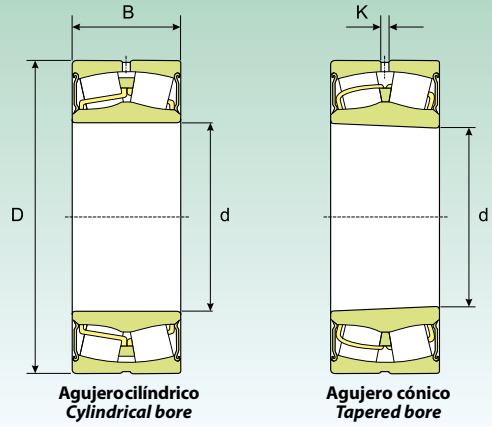
Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
<b>1000</b>	1220	165	12	4567	14014	306	360	410	<b>238/1000</b>	<b>238/1000 K</b>
	1320	315	12	10192	28420	244.8	288	1200	<b>249/1000</b>	<b>249/1000 K30</b>
	1420	308	12	12446	29890	275.4	324	1600	<b>230/1000</b>	<b>230/1000 K</b>
	1420	412	12	15092	39690	214.2	252	2140	<b>240/1000</b>	<b>240/1000 K30</b>
	1580	462	12	20972	47040	214.2	252	3500	<b>231/1000</b>	<b>231/1000 K</b>
	1580	580	12	26166	60760	183.6	216	4300	<b>241/1000</b>	<b>241/1000 K30</b>
<b>1060</b>	1280	165	12	4674.6	14700	273.6	342	435	<b>238/1060</b>	<b>238/1060 K</b>
	1280	218	12	5978	19600	273.6	342	570	<b>248/1060</b>	<b>248/1060 K</b>
	1400	250	12	9359	25480	259.2	324	1100	<b>239/1060</b>	<b>239/1060 K</b>
	1400	335	12	11270	31850	201.6	252	1400	<b>249/1060</b>	<b>249/1060 K</b>
	1500	325	12	13524	33320	230.4	288	2250	<b>230/1060</b>	<b>230/1060 K</b>
	1500	438	12	16954	44590	187.2	234	2515	<b>240/1060</b>	<b>240/1060 K</b>
<b>1120</b>	1360	243	12	7105	23520	244.8	306	735	<b>248/1120</b>	<b>248/1120 K</b>
	1460	335	12	11466	33810	187.2	234	1500	<b>249/1120</b>	<b>249/1120 K</b>
	1580	462	12	18326	4900	172.8	216	2925	<b>240/1120</b>	<b>240/1120 K</b>
<b>1180</b>	1420	180	12	5752.6	18228	230.4	288	575	<b>238/1180</b>	<b>238/1180 K</b>
	1420	243	12	7555.8	26460	230.4	288	770	<b>248/1180</b>	<b>248/1180 K</b>
	1540	272	12	10878	30380	216	270	1400	<b>239/1180</b>	<b>239/1180 K</b>
	1540	355	12	13328	39690	172.8	216	1800	<b>249/1180</b>	<b>249/1180 K</b>
<b>1250</b>	1750	375	12	17542	44100	93.6	117	2840	<b>230/1250</b>	<b>230/1250 K</b>
<b>1320</b>	1600	280	12	9584.4	32830	187.2	234	1160	<b>248/1320</b>	<b>248/1320 K</b>
	1720	400	12	15778	48020	144	180	2500	<b>249/1320</b>	<b>249/1320 K</b>
<b>1500</b>	1820	315	12	12446	44100	144	180	1710	<b>248/1500</b>	<b>248/1500 K</b>
<b>1800</b>	2180	375	12	17248	61740	93.6	117	2900	<b>248/1800</b>	<b>248/1800 K</b>

**RODAMIENTOS DE RODILLOS A RÓTULA BLINDADOS**  
**SEALED SELF-ALIGNING ROLLER BEARINGS**



Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm)	Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Speed limit (Rpm)		Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
25	52	23	2	48.02	43.12	3060	0.31	22205-2RS*	-
30	62	25	2	62.72	58.8	2380	0.34	22206-2RS*	-
35	72	28	2	84.77	83.3	2040	0.52	22207-2RS*	-
40	80	28	3	94.57	88.2	1870	0.57	22208-2RS*	22208-2RSK
	90	38	3	147	137.2	1615	1.2	22308-2RS	-
45	85	28	3	99.96	96.04	1700	0.66	22209-2RS*	22209-2RSK
50	90	28	3	101.92	105.84	1615	0.7	22210-2RS*	22210-2RSK
55	100	31	3	122.5	124.46	1445	1	22211-2RS*	22211-2RSK
	120	49	3	264.6	274.4	1190	2.8	22311-2RS	-
60	110	34	3	152.88	162.68	1360	1.3	22212-2RS*	22212-2RSK
65	120	38	3	189.14	211.68	1275	1.6	22213-2RS*	22213-2RSK
70	125	38	3	203.84	223.44	1190	1.8	22214-2RS*	22214-2RSK
75	130	38	3	207.76	235.2	1105	2.1	22215-2RS*	22215-2RSK
	160	64	4.5	431.2	465.5	807.5	6.5	22315-2RS	-
80	140	40	3	231.28	264.6	1020	2.4	22216-2RS*	22216-2RSK
85	150	44	3	279.3	318.5	935	3	22217-2RS*	22217-2RSK
90	160	48	3	318.5	367.5	850	3.7	22218-2RS*	22218-2RSK
100	180	55	4.5	416.5	480.2	765	5.5	22220-2RS*	-
110	170	45	4.5	303.8	431.2	765	3.75	23022-2RS	-
	180	56	4.5	421.4	573.3	680	5.55	23122-2RS	-
	180	69	3	509.6	735	535.5	6.85	24122-2RS	-
	200	63	4.5	548.8	627.2	680	7.6	22222-2RS*	-
120	180	46	3	347.9	499.8	722.5	4.2	23024-2RS	-
	180	60	3	421.4	656.6	569.5	5.45	24024-2RS	-
	200	80	3	641.9	931	476	10.5	24124-2RS	-
	215	69	6	617.4	749.7	637.5	9.75	22224-2RS*	-
130	200	52	4.5	421.4	597.8	680	6	23026-2RS	-
	200	69	3	529.2	798.7	510	8.05	24026-2RS	-
	210	80	3	666.4	980	450.5	11	24126-2RS	-
140	210	69	3	558.6	882	476	8.55	24028-2RS	-
	225	85	4.5	749.7	1136.8	382.5	13.5	24128-2RS	-
	250	88	6	896.7	1225	450.5	19.5	23228-2RS	-
150	225	75	3	641.9	1019.2	450.5	10.5	24030-2RS	-
	250	100	4.5	999.6	1499.4	340	20	24130-2RS	-
160	240	80	4.5	735	1176	382.5	13	24032-2RS	-
	270	86	7.5	960.4	1342.6	450.5	20.5	23132-2RS	-

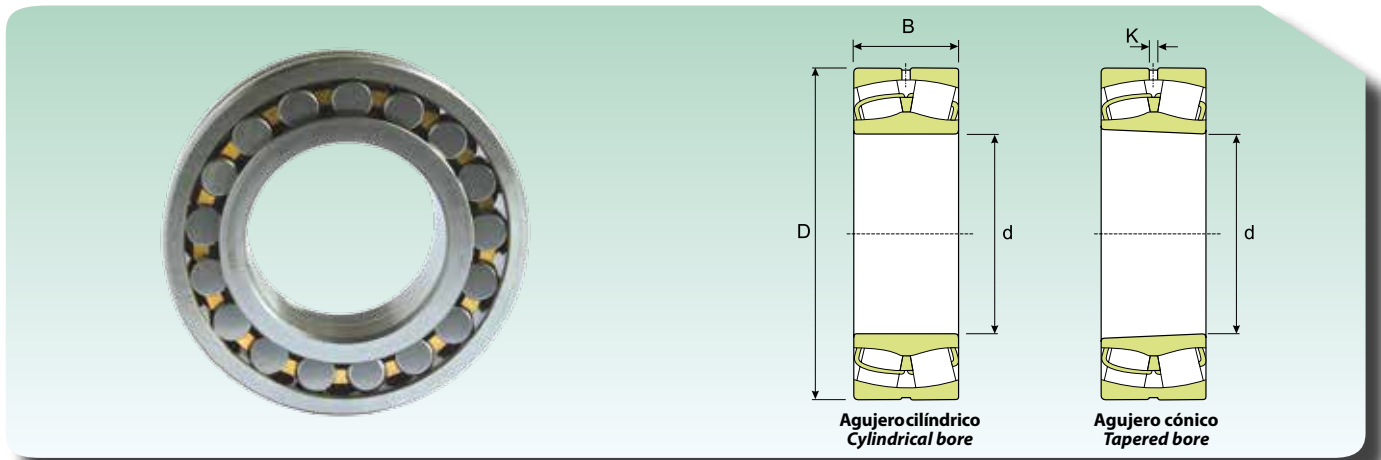
\* Equivalente SKF BS2-22...-2CS  
 \* SKF Equivalent BS2-22...-2CS

**RODAMIENTOS DE RODILLOS A RÓTULA BLINDADOS  
SEALED SELF-ALIGNING ROLLER BEARINGS**


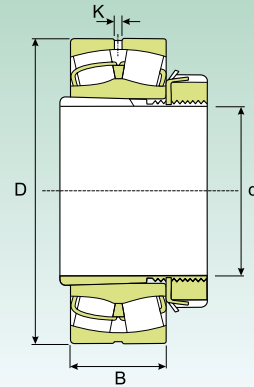
Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm)	Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Speed limit (Rpm)		Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
<b>170</b>	260	90	4.5	911.4	1430.8	340	17.5	<b>24034-2RS</b>	-
	280	109	4.5	1195.6	1822.8	306	27.5	<b>24134-2RS</b>	-
<b>180</b>	280	100	4.5	1058.4	1695.4	323	23	<b>24036-2RS</b>	-
<b>190</b>	320	128	6	1568	2450	289	43	<b>24138-2RS</b>	-
<b>200</b>	340	140	6	1764	2744	272	53.5	<b>24140-2RS</b>	-
	360	128	9	1822.8	2646	365.5	58	<b>23240-2RS</b>	-
<b>220</b>	300	60	4.5	535.08	1059	510	12.5	<b>23944-2RS</b>	-



**RODAMIENTOS DE RODILLOS A RÓTULA PARA APLICACIONES VIBRATORIAS**  
**SELF-ALIGNING ROLLER VIBRATING SCREEN BEARINGS**

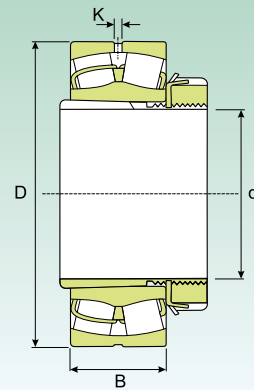


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Agujero cilíndrico Cylindrical bore	Agujero Cónico Tapered bore
						Grasa Grease	Aceite Oil			
40	90	33	3	147	137	6120	7200	1.05	22308 VA	-
45	100	36	3	179	179	5355	6300	1.4	22309 VA	-
50	110	40	3	216	220	4820	5670	1.9	22310 VA	-
55	120	43	3	265	274	4284	5040	2.45	22311 VA	22311 KVA
60	130	46	4.5	304	328	4055	4770	3.1	22312 VA	22312 KVA
65	140	48	4.5	333	353	3825	4500	3.75	22313 VA	22313 KVA
70	150	51	4.5	392	421	3443	4050	4.55	22314 VA	22314 KVA
75	160	55	4.5	431	466	3290	3870	5.55	22315 VA	22315 KVA
80	170	58	4.5	480	529	3060	3600	6.6	22316 VA	22316 KVA
85	180	60	4.5	539	608	2907	3420	7.65	22317 VA	22317 KVA
90	190	64	6	598	681	2754	3240	9.05	22318 VA	22318 KVA
95	200	67	6	657	750	2601	3060	10.5	22319 VA	22319 KVA
100	215	73	6	799	931	2295	2700	13.5	22320 VA	22320 KVA
110	240	80	7.5	931	1098	2142	2520	18.4	22322 VA	22322 KVA
120	260	86	7.5	946	1098	1989	2340	23	22324 VA	22324 KVA
130	280	93	9	1098	1294	1836	2160	29	22326 VA	22326 KVA
140	300	102	9	1264	1529	1683	1980	36.5	22328 VA	22328 KVA
150	320	108	9	1431	1725	1530	1800	43.5	22330 VA	22330 KVA
160	340	114	9	1568	1921	1454	1710	52	22332 VA	22332 KVA
170	360	120	9	1725	2117	1377	1620	61	22334 VA	22334 KVA
180	380	126	12	1960	2401	1301	1530	71.5	22336 VA	22336 KVA
190	400	132	12	2078	2597	1224	1440	82.5	22338 VA	22338 KVA
200	420	138	12	2274	2842	1148	1350	95	22340 VA	22340 KVA
220	460	145	12	2646	3381	1071	1260	120	22344 VA	22344 KVA
240	500	155	12	3038	3920	995	1170	155	22348 VA	22348 KVA

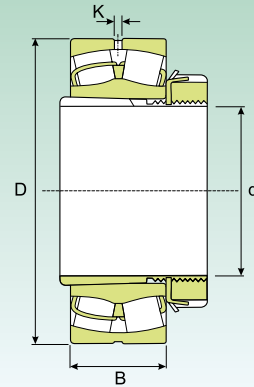
**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN  
SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**


Dimensiones (mm) Dimension (mm)					Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
20	52	18	2	29	48	43	13005	15300	0.33	22205 EKW33	H 305
25	62	20	2	31	63	59	10710	12600	0.39	22206 EKW33	H 306
	72	19	-	31	54	60	7650	9000	0.51	21306 EKW33	H 306
30	72	23	2	53	85	83	9180	10800	0.59	22207 EKW33	H 307
	80	21	-	35	64	71	7268	8550	0.69	21307 EKW33	H 307
35	80	23	3	36	95	88	8415	9900	0.68	22208 EKW33	H 308
	90	23	3	36	102	106	7268	8550	0.92	21308 EKW33	H 308
	90	33	3	46	147	137	6120	7200	1.25	22308 EKW33	H 2308
40	85	23	3	39	100	96	7650	9000	0.81	22209 EKW33	H 309
	100	25	3	39	123	124	6503	7650	1.2	21309 EKW33	H 309
	100	36	3	50	179	179	5355	6300	1.7	22309 EKW33	H 2309
45	90	23	3	42	102	106	7268	8550	0.9	22210 EKW33	H 310
	110	27	3	42	153	163	5738	6750	1.6	21310 EKW33	H 310
	110	40	3	55	216	220	4820	5670	2.25	22310 EKW33	H 2310
50	100	25	3	45	123	124	6503	7650	1.1	22211 EKW33	H 311
	120	29	3	45	153	163	5738	6750	1.95	21311 EKW33	H 311
	120	43	3	59	265	274	4284	5040	2.85	22311 EKW33	H 2311
55	110	28	3	47	153	163	5738	6750	1.45	22212 EKW33	H 312
	130	31	3	47	208	235	4820	5670	2.35	21312 EKW33	H 312
	130	46	4.5	62	304	328	4055	4770	3.5	22312 EKW33	H 2312
60	120	31	3	50	189	212	5355	6300	1.95	22213 EKW33	H 313
	140	33	3	50	231	265	4590	5400	2.9	21313 EKW33	H 313
	140	48	4.5	65	333	353	3825	4500	4.2	22313 EKW33	H 2313
65	130	31	3	55	208	235	4820	5670	2.45	22215 EKW33	H 315
	160	37	3	55	279	319	4284	5040	4.5	21315 EKW33	H 315
	160	55	4.5	73	431	466	3290	3870	6.5	22315 EKW33	H 2315
70	140	33	3	59	231	265	4590	5400	3	22216 EKW33	H 316
	170	39	3	59	319	368	4055	4770	5.3	21316 EKW33	H 316
	170	58	4.5	78	480	529	3060	3600	7.65	22316 EKW33	H 2316
75	150	36	3	63	279	319	4284	5040	3.7	22217 EKW33	H 317
	180	41	3	63	319	368	4055	4770	6.2	21317 EKW33	H 317
	180	60	4.5	82	539	608	2907	3420	8.85	22317 EKW33	H 2317
80	160	40	3	65	319	368	4055	4770	4.55	22218 EKW33	H 318
	160	52.4	3	86	348	431	2907	3420	6	23218 EKW33	H 2318
	190	43	4.5	65	372	441	3672	4320	7.25	21318 EKW33	H 318
	190	64	6	86	598	681	2754	3240	10.5	22318 EKW33	H 2318
85	170	43	4.5	68	372	441	3672	4320	5.45	22219 EKW33	H 319
	200	45	4.5	68	417	480	3443	4050	8.25	21319 EKW33	H 319
	200	67	6	90	657	750	2601	3060	12	22319 EKW33	H 2319

**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN**  
**SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**

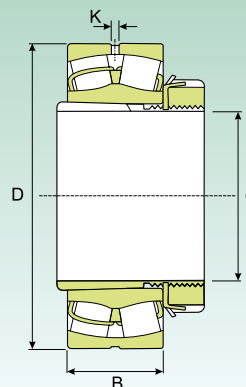


Dimensiones (mm) Dimension (mm)					Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
<b>90</b>	165	52	3	76	358	480	3060	3600	6.15	<b>23120 EKW33</b>	<b>H 3120</b>
	180	46	4.5	71	417	480	3443	4050	6.4	<b>22220 EKW33</b>	<b>H 320</b>
	180	60.3	4.5	97	466	588	2601	3060	8.75	<b>23220 EKW33</b>	<b>H 2320</b>
	215	47	4.5	71	417	480	3443	4050	10.5	<b>21320 EKW33</b>	<b>H 320</b>
	215	73	6	97	799	931	2295	2700	15.2	<b>22320 EKW33</b>	<b>H 2320</b>
<b>100</b>	170	45	3	77	304	431	3290	3870	5.75	<b>23022 EKW33</b>	<b>H 322</b>
	180	56	4.5	81	421	573	2754	3240	7.7	<b>23122 EKW33</b>	<b>H 3122</b>
	200	53	4.5	77	549	627	3060	3600	8.9	<b>22222 EKW33</b>	<b>H 322</b>
	200	69.8	4.5	105	588	750	2448	2880	12.5	<b>23222 EKW33</b>	<b>H 2322</b>
	240	80	7.5	105	931	1098	2142	2520	21	<b>22322 EKW33</b>	<b>H 2322</b>
<b>110</b>	180	46	3	72	348	500	3060	3600	5.95	<b>23024 EKW33</b>	<b>H 3024</b>
	200	62	4.5	88	500	681	2601	3060	10	<b>23124 EKW33</b>	<b>H 3124</b>
	215	58	6	88	617	750	2907	3420	11	<b>22224 EKW33</b>	<b>H 3124</b>
	215	76	4.5	112	681	911	2142	2520	14.7	<b>23224 EKW33</b>	<b>H 2324</b>
	260	86	7.5	112	946	1098	1989	2340	25.5	<b>22324 EKW33</b>	<b>H 2324</b>
<b>115</b>	200	52	4.5	80	421	598	2754	3240	8.6	<b>23026 EKW33</b>	<b>H 3026</b>
	210	64	4.5	92	549	764	2448	2880	12	<b>23126 EKW33</b>	<b>H 3126</b>
	230	64	6	92	720	911	2754	3240	14	<b>22226 EKW33</b>	<b>H 3126</b>
	230	80	4.5	121	764	1039	1989	2340	18.5	<b>23226 EKW33</b>	<b>H 2326</b>
	280	93	9	121	1098	1294	1836	2160	33	<b>22326 EKW33</b>	<b>H 2326</b>
<b>125</b>	210	53	4.5	82	456	666	2601	3060	9.4	<b>23028 EKW33</b>	<b>H 3028</b>
	225	68	4.5	97	617	882	2142	2520	14.3	<b>23128 EKW33</b>	<b>H 3128</b>
	250	68	6	97	696	882	2448	2880	17.8	<b>22228 EKW33</b>	<b>H 3128</b>
	250	88	6	131	897	1225	1836	2160	24	<b>23228 EKW33</b>	<b>H 2328</b>
	300	102	9	131	1264	1529	1683	1980	41	<b>22328 EKW33</b>	<b>H 2328</b>
<b>135</b>	225	56	4.5	87	500	735	2448	2880	11	<b>23030 EKW33</b>	<b>H 3030</b>
	250	80	6	111	813	1176	1989	2340	20.8	<b>23130 EKW33</b>	<b>H 3130</b>
	270	73	7.5	111	833	1058	2295	2700	22.8	<b>22230 EKW33</b>	<b>H 3130</b>
	270	96	6	139	1058	1431	1683	1980	30	<b>23230 EKW33</b>	<b>H 2330</b>
	320	108	9	139	1431	1725	1530	1800	47.4	<b>22330 EKW33</b>	<b>H 2330</b>
<b>140</b>	240	60	6	93	573	862	2295	2700	14.5	<b>23032 EKW33</b>	<b>H 3032</b>
	270	86	7.5	119	960	1343	1836	2160	27.3	<b>23132 EKW33</b>	<b>H 3132</b>
	290	80	7.5	119	980	1264	2142	2520	29.3	<b>22232 EKW33</b>	<b>H 3132</b>
	290	104	7.5	147	1196	1627	1683	1980	38.8	<b>23232 EKW33</b>	<b>H 2332</b>
	340	114	9	147	1568	1921	1454	1710	60	<b>22332 EKW33</b>	<b>H 2332</b>
<b>150</b>	260	67	6	101	696	1039	2142	2520	18.3	<b>23034 EKW33</b>	<b>H 3034</b>
	280	88	7.5	122	1019	1470	1836	2160	29.5	<b>23134 EKW33</b>	<b>H 3134</b>
	310	86	9	122	1098	1431	1989	2340	36	<b>22234 EKW33</b>	<b>H 3134</b>
	310	110	7.5	154	1372	1891	1530	1800	46.4	<b>23234 EKW33</b>	<b>H 2334</b>
	360	120	9	154	1725	2117	1377	1620	69.5	<b>22334 EKW33</b>	<b>H 2334</b>

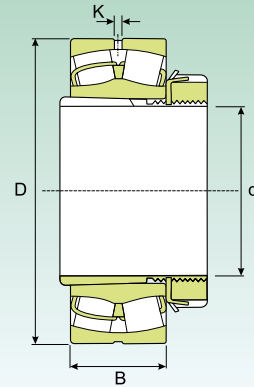
**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN  
SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**


Dimensiones (mm) Dimension (mm)					Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
<b>160</b>	250	52	3	87	422	813	2142	2520	13.4	<b>23936 EKW33</b>	<b>H 3936</b>
	280	74	7.5	109	813	1225	1989	2340	23.2	<b>23036 EKW33</b>	<b>H 3036</b>
	300	96	7.5	131	1176	1725	1683	1980	37	<b>23136 EKW33</b>	<b>H 3136</b>
	320	86	9	131	1156	1529	1989	2340	38.2	<b>22236 EKW33</b>	<b>H 3136</b>
	320	112	7.5	161	1470	2078	1454	1710	49.5	<b>23236 EKW33</b>	<b>H 2336</b>
	380	126	12	161	1960	2401	1301	1530	80	<b>22336 EKW33</b>	<b>H 2336</b>
<b>170</b>	260	52	9	89	406	784	1989	2340	14.5	<b>23938 EKW33</b>	<b>H 3938</b>
	290	75	7.5	112	848	1313	1836	2160	24.8	<b>23038 EKW33</b>	<b>H 3038</b>
	320	104	7.5	141	1343	2038	1530	1800	44.5	<b>23138 EKW33</b>	<b>H 3138</b>
	340	92	9	141	1245	1666	1836	2160	46	<b>22238 EKW33</b>	<b>H 3138</b>
	340	120	9	169	1627	2352	1377	1620	59	<b>23238 EKW33</b>	<b>H 2338</b>
	400	132	12	169	2078	2597	1224	1440	93	<b>22338 EKW33</b>	<b>H 2338</b>
<b>180</b>	280	60	4.5	98	535	1019	1836	2160	19	<b>23940 EKW33</b>	<b>H 3940</b>
	310	82	7.5	120	980	1499	1683	1980	31.7	<b>23040 EKW33</b>	<b>H 3040</b>
	340	112	9	150	1568	2313	1454	1710	55.5	<b>23140 EKW33</b>	<b>H 3140</b>
	360	98	9	150	1431	1891	1683	1980	66	<b>22240 EKW33</b>	<b>H 3140</b>
	360	128	9	176	1823	2646	1301	1530	70	<b>23240 EKW33</b>	<b>H 2340</b>
	420	138	12	176	2274	2842	1148	1350	107	<b>22340 EKW33</b>	<b>H 2340</b>
<b>200</b>	300	60	4.5	96	535	1058	1683	1980	22.5	<b>23944 EKW33</b>	<b>OH 3944 H</b>
	340	90	7.5	126	1196	1823	1530	1800	39.4	<b>23044 EKW33</b>	<b>OH 3044 H</b>
	370	120	9	161	1764	2695	1301	1530	67.5	<b>23144 EKW33</b>	<b>OH 3144 H</b>
	400	108	9	161	1725	2313	1530	1800	74	<b>22244 EKW33</b>	<b>OH 3144 H</b>
	400	144	9	186	2313	3381	1148	1350	96.5	<b>23244 EKW33</b>	<b>OH 2344 H</b>
	460	145	12	186	2646	3381	1071	1260	135	<b>22344 EKW33</b>	<b>OH 2344 H</b>
<b>220</b>	320	60	4.5	101	553	1137	1530	1800	24.5	<b>23948 EKW33</b>	<b>OH 3948 H</b>
	360	92	7.5	133	1264	2038	1454	1710	44.5	<b>23048 EKW33</b>	<b>OH 3048 H</b>
	400	128	9	172	2038	3136	1224	1440	80.5	<b>23148 EKW33</b>	<b>OH 3148 H</b>
	440	120	12	172	2156	2940	1377	1620	99	<b>22248 EKW33</b>	<b>OH 3148 H</b>
	440	160	12	199	2842	4214	995	1170	125	<b>23248 EKW33</b>	<b>OH 2348 H</b>
	500	155	12	199	3038	3920	995	1170	170	<b>22348 EKW33</b>	<b>OH 2348 H</b>
<b>240</b>	360	75	4.5	116	862	1764	1454	1710	35	<b>23952 EKW33</b>	<b>OH 3952 H</b>
	400	104	9	145	1568	2499	1301	1530	60.5	<b>23052 EKW33</b>	<b>OH 3052 H</b>
	440	144	9	190	2499	3822	1071	1260	109	<b>23152 EKW33</b>	<b>OH 3152 H</b>
	480	130	12	190	2597	3479	1224	1440	130	<b>22252 EKW33</b>	<b>OH 3152 H</b>
	480	174	12	211	3185	4655	918	1080	160	<b>23252 EKW33</b>	<b>OH 2352 H</b>
	540	165	12	211	3479	4459	842	990	215	<b>22352 EKW33</b>	<b>OH 2352 H</b>
<b>260</b>	380	75	6	121	828	1725	1301	1530	40	<b>23956 EKW33</b>	<b>OH 3956 H</b>
	420	106	9	152	1695	2793	1224	1440	67	<b>23056 EKW33</b>	<b>OH 3056 H</b>
	460	146	9	195	2597	4165	995	1170	115	<b>23156 EKW33</b>	<b>OH 3156 H</b>
	500	130	12	195	2646	3675	1148	1350	135	<b>22256 EKW33</b>	<b>OH 3156 H</b>
	500	176	12	224	3185	4802	842	990	165	<b>23256 EKW33</b>	<b>OH 2356 H</b>
	580	175	12	224	3920	5096	842	990	250	<b>22356 EKW33</b>	<b>OH 2356 H</b>

**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN**  
**SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**



Dimensiones (mm) Dimension (mm)					Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
<b>280</b>	420	90	6	140	1176	2450	1224	1440	58.5	<b>23960 EKW33</b>	<b>OH 3960 H</b>
	460	118	9	168	2078	3381	1148	1350	90	<b>23060 EKW33</b>	<b>OH 3060 H</b>
	500	160	9	208	3136	4998	918	1080	150	<b>23160 EKW33</b>	<b>OH 3160 H</b>
	540	140	12	208	3087	4165	1071	1260	170	<b>22260 EKW33</b>	<b>OH 3160 H</b>
	540	192	12	240	3822	5733	765	900	210	<b>23260 EKW33</b>	<b>OH 3260 H</b>
<b>300</b>	440	90	6	140	1401	2646	1148	1350	61	<b>23964 EKW33</b>	<b>OH 3964 H</b>
	480	121	9	171	2195	3724	1071	1260	97	<b>23064 EKW33</b>	<b>OH 3064 H</b>
	540	176	12	226	3675	5880	842	990	185	<b>23164 EKW33</b>	<b>OH 3164 H</b>
	580	150	12	226	3528	4802	995	1170	200	<b>22264 EKW33</b>	<b>OH 3164 H</b>
	580	208	12	258	4312	6566	727	855	260	<b>23264 EKW33</b>	<b>OH 3264 H</b>
<b>320</b>	460	90	6	144	1431	2744	1071	1260	67.5	<b>23968 EKW33</b>	<b>OH 3968 H</b>
	520	133	12	187	2646	4459	995	1170	130	<b>23068 EKW33</b>	<b>OH 3068 H</b>
	580	190	12	254	4165	6664	765	900	250	<b>23168 EKW33</b>	<b>OH 3168 H</b>
	620	224	12	288	4998	7644	612	720	335	<b>23268 EKW33</b>	<b>OH 3268 H</b>
<b>340</b>	480	90	6	144	1372	2695	995	1170	70.5	<b>23972 EKW33</b>	<b>OH 3972 H</b>
	540	134	12	188	2695	4704	918	1080	135	<b>23072 EKW33</b>	<b>OH 3072 H</b>
	600	192	12	259	4214	6811	765	900	260	<b>23172 EKW33</b>	<b>OH 3172 H</b>
	650	170	12	259	4214	6076	650	765	375	<b>22272 EKW33</b>	<b>OH 3172 H</b>
	650	232	12	299	5292	8134	574	675	375	<b>23272 EKW33</b>	<b>OH 3272 H</b>
<b>360</b>	520	106	7.5	164	1921	3724	918	1080	95	<b>23976 EKW33</b>	<b>OH 3976 H</b>
	560	135	12	193	2842	4900	918	1080	145	<b>23076 EKW33</b>	<b>OH 3076 H</b>
	620	194	12	264	4312	6958	765	900	275	<b>23176 EKW33</b>	<b>OH 3176 H</b>
	680	240	12	310	5733	8967	574	675	420	<b>23276 EKW33</b>	<b>OH 3276 H</b>
<b>380</b>	540	106	7.5	168	1960	3822	918	1080	100	<b>23980 EKW33</b>	<b>OH 3980 H</b>
	600	148	12	210	3185	5586	842	990	180	<b>23080 EKW33</b>	<b>OH 3080 H</b>
	650	200	12	272	4557	7497	727	855	325	<b>23180 EKW33</b>	<b>OH 3180 H</b>
	720	256	12	328	6419	10192	513	603	505	<b>23280 EKW33</b>	<b>OH 3280 H</b>
	820	243	12	328	7350	10192	574	675	735	<b>22380 EKW33</b>	<b>OH 3280 H</b>
<b>400</b>	560	106	9	168	1999	4067	842	990	105	<b>23984 EKW33</b>	<b>OH 3984 H</b>
	620	150	12	212	3332	5880	842	990	190	<b>23084 EKW33</b>	<b>OH 3084 H</b>
	700	224	12	304	5488	9114	689	810	410	<b>23184 EKW33</b>	<b>OH 3184 H</b>
	760	272	12	352	7203	11368	482	567	590	<b>23284 EKW33</b>	<b>OH 3284 H</b>
<b>410</b>	600	118	9	189	2401	4802	765	900	150	<b>23988 EKW33</b>	<b>OH 3988 H</b>
	650	157	12	228	3577	6419	765	900	235	<b>23088 EKW33</b>	<b>OH 3088 H</b>
	720	226	12	307	5880	9800	650	765	430	<b>23188 EKW33</b>	<b>OH 3188 H</b>
	790	280	12	361	7644	12250	459	540	670	<b>23288 EKW33</b>	<b>OH 3288 H</b>
<b>430</b>	620	118	9	189	2450	4900	765	900	160	<b>23992 EKW33</b>	<b>OH 3992 H</b>
	680	163	12	234	3822	6811	727	855	265	<b>23092 EKW33</b>	<b>OH 3092 H</b>
	760	240	12	326	6272	10584	612	720	530	<b>23192 EKW33</b>	<b>OH 3192 H</b>
	830	296	12	382	8330	13426	428	504	790	<b>23292 EKW33</b>	<b>2OH 3292 H</b>
<b>450</b>	650	128	9	200	2842	5586	765	900	185	<b>23996 EKW33</b>	<b>OH 3996 H</b>
	700	165	12	237	3822	6664	727	855	275	<b>23096 EKW33</b>	<b>OH 3096 H</b>
	790	248	12	335	6811	11760	574	675	590	<b>23196 EKW33</b>	<b>OH 3196 H</b>
	870	310	12	397	9114	14700	405	477	935	<b>23296 EKW33</b>	<b>OH 3296 H</b>

**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN  
SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**


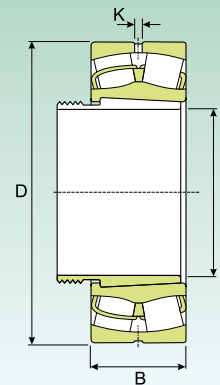
Dimensiones (mm) Dimension (mm)					Coeficiente de carga (kN) Load rating (kN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
<b>470</b>	670	128	12	208	2842	5880	727	855	195	<b>239/500 EKW33</b>	<b>OH 39/500 H</b>
	720	167	12	247	4067	7644	689	810	290	<b>230/500 EKW33</b>	<b>OH 30/500 H</b>
	830	264	12	356	7497	12642	536	630	690	<b>231/500 EKW33</b>	<b>OH 31/500 H</b>
	920	336	12	428	10388	16954	383	450	1100	<b>232/500 EKW33</b>	<b>OH 32/500 H</b>
<b>500</b>	710	136	12	216	3136	6566	689	810	255	<b>239/530 EKW33</b>	<b>OH 39/530 H</b>
	780	185	12	265	4998	9114	612	720	405	<b>230/530 EKW33</b>	<b>OH 30/530 H</b>
	870	272	12	364	7987	13720	513	603	785	<b>231/530 EKW33</b>	<b>OH 31/530 H</b>
	980	355	12	447	10878	19992	367	432	1360	<b>232/530 EKW33</b>	<b>OH 32/530 H</b>
<b>530</b>	750	140	12	227	3381	7056	612	765	260	<b>239/560 EKW33</b>	<b>OH 39/560 H</b>
	820	195	12	282	5488	9996	540	675	445	<b>230/560 EKW33</b>	<b>OH 30/560 H</b>
	920	280	12	377	8967	15680	453.6	567	880	<b>231/560 EKW33</b>	<b>OH 31/560 H</b>
	1030	365	12	462	11270	21560	309.6	387	1490	<b>232/560 EKW33</b>	<b>OH 32/560 H</b>
<b>560</b>	800	150	12	239	3822	8134	540	675	330	<b>239/600 EKW33</b>	<b>OH 39/600 H</b>
	870	200	12	289	5880	11172	504	630	525	<b>230/600 EKW33</b>	<b>OH 30/600 H</b>
	980	300	12	399	9996	17640	403.2	504	1070	<b>231/600 EKW33</b>	<b>OH 31/600 H</b>
	1090	388	12	487	12838	24990	288	360	1780	<b>232/600 EKW33</b>	<b>OH 32/600 H</b>
<b>600</b>	850	165	12	254	4557	9604	504	630	385	<b>239/630 EKW33</b>	<b>OH 39/630 H</b>
	920	212	12	301	6566	12250	482.4	603	595	<b>230/630 EKW33</b>	<b>OH 30/630 H</b>
	1030	315	12	424	10290	20384	381.6	477	1240	<b>231/630 EKW33</b>	<b>OH 31/630 H</b>
<b>630</b>	900	170	12	264	4900	10584	482.4	603	455	<b>239/670 EKW33</b>	<b>OH 39/670 H</b>
	980	230	12	324	7497	14308	432	540	755	<b>230/670 EKW33</b>	<b>OH 30/670 H</b>
	1090	336	12	456	10682	21952	360	450	1510	<b>231/670 EKW33</b>	<b>OH 31/670 H</b>
	1220	438	12	558	15092	29890	259.2	324	2535	<b>232/670 EKW33</b>	<b>OH 32/670 H</b>
<b>670</b>	950	180	12	286	5488	11760	432	540	525	<b>239/710 EKW33</b>	<b>OH 39/710 H</b>
	1030	236	12	342	8134	15974	403.2	504	860	<b>230/710 EKW33</b>	<b>OH 30/710 H</b>
	1150	345	12	467	11956	25480	324	405	1750	<b>231/710 EKW33</b>	<b>OH 31/710 H</b>
	1280	450	12	572	17248	33810	230.4	288	2995	<b>232/710 EKW33</b>	<b>OH 32/710 H</b>
<b>710</b>	1000	185	12	291	5880	12936	403.2	504	605	<b>239/750 EKW33</b>	<b>OH 39/750 H</b>
	1090	250	12	356	9457	18228	381.6	477	990	<b>230/750 EKW33</b>	<b>OH 30/750 H</b>
	1220	365	12	493	13524	28420	309.6	387	2045	<b>231/750 EKW33</b>	<b>OH 31/750 H</b>
	1360	475	12	603	18326	35770	216	270	3485	<b>232/750 EKW33</b>	<b>OH 32/750 H</b>
<b>750</b>	1060	195	12	303	6272	14014	381.6	477	730	<b>239/800 EKW33</b>	<b>OH 39/800 H</b>
	1150	258	12	366	9800	19600	345.6	432	1200	<b>230/800 EKW33</b>	<b>OH 30/800 H</b>
	1280	375	12	505	14504	30870	288	360	2430	<b>231/800 EKW33</b>	<b>OH 31/800 H</b>
<b>800</b>	1120	200	12	308	6811	15288	345.6	432	950	<b>239/850 EKW33</b>	<b>OH 39/850 H</b>
	1220	272	12	380	9182.6	21168	324	405	1390	<b>230/850 EKW33</b>	<b>OH 30/850 H</b>
	1360	400	12	536	15778	33810	259.2	324	2800	<b>231/850 EKW33</b>	<b>OH 31/850 H</b>
<b>850</b>	1180	206	12	326	7350	16660	324	405	930	<b>239/900 EKW33</b>	<b>OH 39/900 H</b>
	1280	280	12	400	9898	22736	288	360	1580	<b>230/900 EKW33</b>	<b>OH 30/900 H</b>
<b>900</b>	1250	224	12	344	7105	19208	309.6	387	1120	<b>239/950 EKW33</b>	<b>OH 39/950 H</b>
	1360	300	12	420	11760	27930	273.6	342	1870	<b>230/950 EKW33</b>	<b>OH 30/950 H</b>



**RODAMIENTOS DE RODILLOS A RÓTULA CON MANGUITO DE FIJACIÓN**  
**SELF-ALIGNING ROLLER BEARINGS WITH ADAPTER SLEEVE**

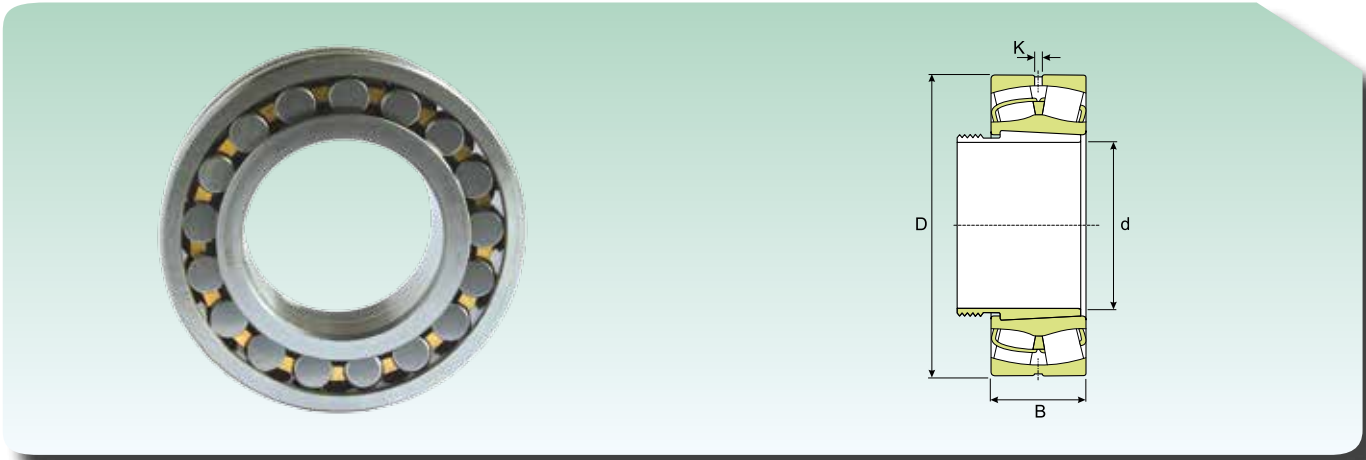


Dimensiones (mm) Dimension (mm)					Coeficiente de carga (kN) Load rating (kN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	B1 (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de tracción Adapters sleeve
							Grasa Grease	Aceite Oil			
<b>950</b>	1420	308	12	430	12446	29890	259.2	324	2070	<b>230/1000 EKW33</b>	<b>OH 30/1000 H</b>
	1580	462	12	609	20972	47040	201.6	252	4340	<b>231/1000 EKW33</b>	<b>OH 31/1000 H</b>
<b>1000</b>	1400	250	12	372	9359	25480	259.2	324	1590	<b>239/1060 EKW33</b>	<b>OH 39/1060 H</b>
	1500	325	12	447	13524	33320	230.4	288	2800	<b>230/1060 EKW33</b>	<b>OH 30/1060 H</b>

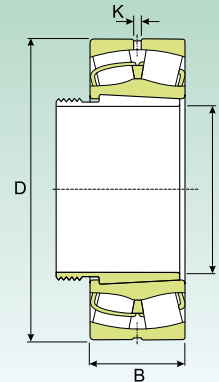
**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE  
SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
35	80	23	3	95	88	8415.00	9900	0.6	22208 K	AH 308
	90	23	3	102	106	7267.50	8550	0.84	21308 K	AH 308
	90	33	3	147	137	6120.00	7200	1.2	22308 K	AH 2308
40	85	23	3	100	96	7650.00	9000	0.7	22209 K	AH 309
	100	25	3	123	124	6502.50	7650	1.1	21309 K	AH 309
	100	36	3	179	179	5355.00	6300	1.55	22309 K	AH 2309
45	90	23	3	102	106	7267.50	8550	0.75	22210 K	AHX 310
	110	27	3	153	163	5737.50	6750	1.45	21310 K	AHX 310
	110	40	3	216	220	4819.50	5670	2.1	22310 K	AHX 2310
50	100	25	3	123	124	6502.50	7650	0.95	22211 K	AHX 311
	120	29	3	153	163	5737.50	6750	1.8	21311 K	AHX 311
	120	43	3	265	274	4284.00	5040	2.7	22311 K	AHX 2311
55	110	28	3	153	163	5737.50	6750	1.3	22212 K	AHX 312
	130	31	3	208	235	4819.50	5670	2.2	21312 K	AHX 312
	130	46	4.5	304	328	4054.50	4770	3.3	22312 K	AHX 2312
60	120	31	3	189	212	5355.00	6300	1.7	22213 K	AH 313
	140	33	3	231	265	4590.00	5400	2.75	21313 K	AH 313
	140	48	4.5	333	353	3825.00	4500	4.1	22313 K	AH 2313
65	125	31	3	204	223	5125.50	6030	1.8	22214 K	AH 314
	150	35	3	279	319	4284.00	5040	3.35	21314 K	AH 314
	150	51	4.5	392	421	3442.50	4050	4.9	22314 K	AHX 2314
70	130	31	3	208	235	4819.50	5670	1.95	22215 K	AH 315
	160	37	3	279	319	4284.00	5040	4.15	21315 K	AH 315
	160	55	4.5	431	466	3289.50	3870	6	22315 K	AHX 2315
75	140	33	3	231	265	4590.00	5400	2.4	22216 K	AH 316
	170	39	3	319	368	4054.50	4770	4.75	21316 K	AH 316
	170	58	4.5	480	529	3060.00	3600	7	22316 K	AHX 2316
80	150	36	3	279	319	4284.00	5040	3.05	22217 K	AHX 317
	180	41	3	319	368	4054.50	4770	5.55	21317 K	AHX 317
	180	60	4.5	539	608	2907.00	3420	8.15	22317 K	AHX 2317
85	160	40	3	319	368	4054.50	4770	3.7	22218 K	AHX 318
	160	52.4	3	348	431	2907.00	3420	5	23218 EKW33	AHX 3218
	190	43	4.5	372	441	3672.00	4320	6.4	21318 K	AHX 318
	190	64	6	598	681	2754.00	3240	9.5	22318 K	AHX 2318
90	170	43	4.5	372	441	3672.00	4320	4.6	22219 K	AHX 319
	200	45	4.5	417	480	3442.50	4050	7.4	21319 K	AHX 319
	200	67	6	657	750	2601.00	3060	11	22319 K	AHX 2319
95	165	52	3	358	480	3060.00	3600	5	23120 EKW33	AHX 3120
	180	46	4.5	417	480	3442.50	4050	5.4	22220 K	AHX 320
	180	60.3	4.5	466	588	2601.00	3060	7.3	23220 EKW33	AHX 3220
	215	47	4.5	417	480	3442.50	4050	9.1	21320 K	AHX 320
	215	73	6	799	931	2295.00	2700	14	22320 K	AHX 2320

**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE**  
**SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**

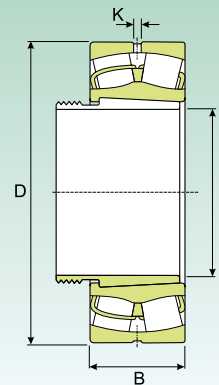


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
<b>105</b>	170	45	3	304	431	3289.50	3870	4.45	<b>23022 EKW33</b>	<b>AH 322</b>
	180	56	4.5	421	573	2754.00	3240	6.35	<b>23122 EKW33</b>	<b>AHX 3122</b>
	180	69	3	510	735	2295.00	2700	7.7	<b>24122 EK30W33</b>	<b>AH 24122</b>
	200	53	4.5	549	627	3060.00	3600	7.5	<b>22222 EKW33</b>	<b>AHX 3122</b>
	200	69.8	4.5	588	750	2448.00	2880	10.5	<b>23222 EKW33</b>	<b>AHX 3222</b>
240	80	7.5	931	1098	2142.00	2520	19.5	<b>22322 EKW33</b>	<b>AHX 2322</b>	
<b>115</b>	180	46	3	348	500	3060.00	3600	4.8	<b>23024 EKW33</b>	<b>AHX 3024</b>
	180	60	3	421	657	2601.00	3060	5.95	<b>24024 EK30W33</b>	<b>AH 24024</b>
	200	62	4.5	500	681	2601.00	3060	8.7	<b>23124 EKW33</b>	<b>AHX 3124</b>
	200	80	3	642	931	1989.00	2340	10.8	<b>24124 EK30W33</b>	<b>AH 24124</b>
	215	58	6	617	750	2907.00	3420	9.55	<b>22224 EKW33</b>	<b>AHX 3124</b>
	215	76	4.5	681	911	2142.00	2520	13	<b>23224 EKW33</b>	<b>AHX 3224</b>
	260	86	7.5	946	1098	1989.00	2340	24	<b>22324 EKW33</b>	<b>AHX 2324</b>
<b>125</b>	200	52	4.5	421	598	2754.00	3240	6.75	<b>23026 EKW33</b>	<b>AHX 3026</b>
	200	69	3	529	799	2295.00	2700	8.65	<b>24026 EK30W33</b>	<b>AH 24026</b>
	210	64	4.5	549	764	2448.00	2880	9.6	<b>23126 EKW33</b>	<b>AHX 3126</b>
	210	80	3	666	980	1836.00	2160	11.7	<b>24126 EK30W33</b>	<b>AH 24126</b>
	230	64	6	720	911	2754.00	3240	11.6	<b>22226 EKW33</b>	<b>AHX 3126</b>
	230	80	4.5	764	1039	1989.00	2340	15.5	<b>23226 EKW33</b>	<b>AHX 3226</b>
	280	93	9	1098	1294	1836.00	2160	30.5	<b>22326 EKW33</b>	<b>AHX 2326</b>
<b>135</b>	210	53	4.5	456	666	2601.00	3060	7.35	<b>23028 EKW33</b>	<b>AHX 3028</b>
	210	69	3	559	882	2142.00	2520	9.2	<b>24028 EK30W33</b>	<b>AH 24028</b>
	225	68	4.5	617	882	2142.00	2520	11.5	<b>23128 EKW33</b>	<b>AHX 3128</b>
	225	85	4.5	750	1137	1836.00	2160	14.3	<b>24128 EK30W33</b>	<b>AH 24128</b>
	250	68	6	696	882	2448.00	2880	15	<b>22228 EKW33</b>	<b>AHX 3128</b>
	250	88	6	897	1225	1836.00	2160	20.5	<b>23228 EKW33</b>	<b>AHX 3228</b>
	300	102	9	1264	1529	1683.00	1980	38	<b>22328 EKW33</b>	<b>AHX 2328</b>
<b>145</b>	225	56	4.5	500	735	2448.00	2880	8.85	<b>23030 EKW33</b>	<b>AHX 3030</b>
	225	75	3	642	1019	1989.00	2340	11.3	<b>24030 EK30W33</b>	<b>AH 24030</b>
	250	80	6	813	1176	1989.00	2340	17	<b>23130 EKW33</b>	<b>AHX 3130</b>
	250	100	4.5	1000	1499	1683.00	1980	21	<b>24130 EK30W33</b>	<b>AH 24130</b>
	270	73	7.5	833	1058	2295.00	2700	19	<b>22230 EKW33</b>	<b>AHX 3130</b>
	270	96	6	1058	1431	1683.00	1980	26	<b>23230 EKW33</b>	<b>AHX 3230</b>
	320	108	9	1431	1725	1530.00	1800	45.5	<b>22330 EKW33</b>	<b>AHX 2330</b>
<b>150</b>	240	60	6	573	862	2295.00	2700	11.5	<b>23032 EKW33</b>	<b>AH 3032</b>
	240	80	4.5	735	1176	1836.00	2160	14.8	<b>24032 EK30W33</b>	<b>AH 24032</b>
	270	86	7.5	960	1343	1836.00	2160	23	<b>23132 EKW33</b>	<b>AH 3132</b>
	270	109	4.5	1156	1725	1453.50	1710	28.5	<b>24132 EK30W33</b>	<b>AH 24132</b>
	290	80	7.5	980	1264	2142.00	2520	25	<b>22232 EKW33</b>	<b>AH 3132</b>
	290	104	7.5	1196	1627	1683.00	1980	34.5	<b>23232 EKW33</b>	<b>AH 3232</b>
	340	114	9	1568	1921	1453.50	1710	56	<b>22332 EKW33</b>	<b>AH 2332</b>

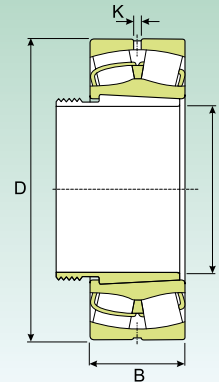
**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE  
SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
<b>160</b>	260	67	6	696	1039	2142.00	2520	15	<b>23034 EK30W33</b>	<b>AH 3034</b>
	260	90	4.5	911	1431	1836.00	2160	20	<b>24034 EK30W33</b>	<b>AH 24034</b>
	280	88	7.5	1019	1470	1836.00	2160	25	<b>23134 EK30W33</b>	<b>AH 3134</b>
	280	109	4.5	1196	1823	1453.50	1710	30	<b>24134 EK30W33</b>	<b>AH 24134</b>
	310	86	9	1098	1431	1989.00	2340	31	<b>22234 EKW33</b>	<b>AH 3134</b>
	310	110	7.5	1372	1891	1530.00	1800	41	<b>23234 EKW33</b>	<b>AH 3234</b>
	360	120	9	1725	2117	1377.00	1620	65	<b>22334 EKW33</b>	<b>AH 2334</b>
<b>170</b>	280	74	7.5	813	1225	1989.00	2340	19.3	<b>23036 EKW33</b>	<b>AH 3036</b>
	280	100	4.5	1058	1695	1683.00	1980	25.7	<b>24036 EK30W33</b>	<b>AH 24036</b>
	300	96	7.5	1176	1725	1683.00	1980	32	<b>23136 EKW33</b>	<b>AH 3136</b>
	300	118	6	1372	2117	1300.50	1530	37	<b>24136 EK30W33</b>	<b>AH 24136</b>
	320	86	9	1156	1529	1989.00	2340	32.5	<b>22236 EKW33</b>	<b>AH 2236</b>
	320	112	7.5	1470	2078	1453.50	1710	43.5	<b>23236 EKW33</b>	<b>AH 2336</b>
	380	126	12	1960	2401	1300.50	1530	76	<b>22336 EKW33</b>	<b>AH 2336</b>
<b>180</b>	290	75	7.5	848	1313	1836.00	2160	21	<b>23038 EKW33</b>	<b>AH 3038</b>
	290	100	4.5	1098	1764	1530.00	1800	27.5	<b>24038 EK30W33</b>	<b>AH 24038</b>
	320	104	7.5	1343	2038	1530.00	1800	38.5	<b>23138 EKW33</b>	<b>AH 3138</b>
	320	128	6	1568	2450	1224.00	1440	46.5	<b>24138 EK30W33</b>	<b>AH 24138</b>
	340	92	9	1245	1666	1836.00	2160	39.5	<b>22238 EKW33</b>	<b>AH 2238</b>
	340	120	9	1627	2352	1377.00	1620	52.5	<b>23238 EKW33</b>	<b>AH 3238</b>
	400	132	12	2078	2597	1224.00	1440	87.5	<b>22338 EKW33</b>	<b>AH 2338</b>
<b>190</b>	310	82	7.5	980	1499	1683.00	1980	26.3	<b>23040 EKW33</b>	<b>AH 3040</b>
	310	109	6	1264	2078	1453.50	1710	34.5	<b>24040 EK30W33</b>	<b>AH 24040</b>
	340	112	9	1568	2313	1453.50	1710	48.5	<b>23140 EKW33</b>	<b>AH 3140</b>
	340	140	6	1764	2744	1147.50	1350	57.5	<b>24140 EK30W33</b>	<b>AH 24140</b>
	360	98	9	1431	1891	1683.00	1980	47	<b>22240 EKW33</b>	<b>AH 2240</b>
	360	128	9	1823	2646	1300.50	1530	63	<b>23240 EKW33</b>	<b>AH 3240</b>
	420	138	12	2274	2842	1147.50	1350	100	<b>22340 EKW33</b>	<b>AH 2340</b>
<b>200</b>	340	90	7.5	1196	1823	1530.00	1800	36.5	<b>23044 EKW33</b>	<b>AOH 3044</b>
	340	118	6	1529	2548	1300.50	1530	47.5	<b>24044 EK30W33</b>	<b>AOH 24044</b>
	370	120	9	1764	2695	1300.50	1530	61.5	<b>23144 EKW33</b>	<b>AOH 3144</b>
	370	150	6	2078	3283	1071.00	1260	76	<b>24144 EK30W33</b>	<b>AOH 24144</b>
	400	108	9	1725	2313	1530.00	1800	68	<b>22244 EKW33</b>	<b>AOH 2244</b>
	400	144	9	2313	3381	1147.50	1350	93	<b>23244 EKW33</b>	<b>AOH 2344</b>
	460	145	12	2646	3381	1071.00	1260	130	<b>22344 EKW33</b>	<b>AOH 2344</b>
<b>220</b>	360	92	7.5	1264	2038	1453.50	1710	40.5	<b>23048 EKW33</b>	<b>AOH 3048</b>
	360	118	6	1568	2646	1224.00	1440	50.5	<b>24048 EK30W33</b>	<b>AOH 24048</b>
	400	128	9	2038	3136	1224.00	1440	76.5	<b>23148 EKW33</b>	<b>AOH 3148</b>
	400	160	6	2352	3822	994.50	1170	91.5	<b>24148 EK30W33</b>	<b>AOH 24148</b>
	440	120	12	2156	2940	1377.00	1620	95	<b>22248 EKW33</b>	<b>AOH 2248</b>
	440	160	12	2842	4214	994.50	1170	120	<b>23248 EKW33</b>	<b>AOH 2348</b>
	500	155	12	3038	3920	994.50	1170	165	<b>22348 EKW33</b>	<b>AOH 2348</b>

**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE**  
**SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**



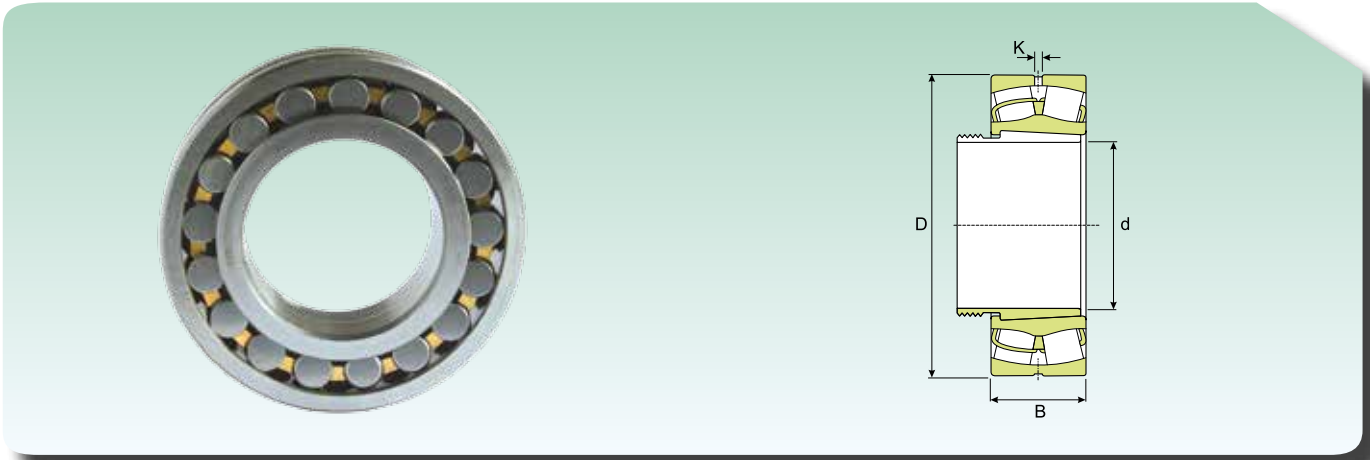
Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubricación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
<b>240</b>	400	104	9	1568	2499	1300.50	1530	56.5	<b>23052 EKW33</b>	<b>AOH 3052</b>
	400	140	6	1999	3381	1071.00	1260	75	<b>24052 EK30W33</b>	<b>AOH 24052</b>
	440	144	9	2499	3822	1071.00	1260	105	<b>23152 EKW33</b>	<b>AOH 3152</b>
	440	180	7.5	2940	4704	918.00	1080	120	<b>24152 EK30W33</b>	<b>AOH 24152</b>
	480	130	12	2597	3479	1224.00	1440	120	<b>22252 EKW33</b>	<b>AOH 2252</b>
	480	174	12	3185	4655	918.00	1080	155	<b>23252 EKW33</b>	<b>AOH 2352</b>
	540	165	12	3479	4459	841.50	990	205	<b>22352 EKW33</b>	<b>AOH 2352</b>
<b>260</b>	420	106	9	1695	2793	1224.00	1440	62	<b>23056 EKW33</b>	<b>AOH 3056</b>
	420	140	6	2117	3724	1071.00	1260	79	<b>24056 EK30W33</b>	<b>AOH 24056</b>
	460	146	9	2597	4165	994.50	1170	110	<b>23156 EKW33</b>	<b>AOH 3156</b>
	460	180	7.5	3038	4998	841.50	990	130	<b>24156 EK30W33</b>	<b>AOH 24156</b>
	500	130	12	2646	3675	1147.50	1350	125	<b>22256 EKW33</b>	<b>AOH 2256</b>
	500	176	12	3185	4802	841.50	990	160	<b>23256 EKW33</b>	<b>AOH 2356</b>
	580	175	12	3920	5096	841.50	990	245	<b>22356 EKW33</b>	<b>AOH 2356</b>
<b>280</b>	460	118	9	2078	3381	1147.50	1350	82.5	<b>23060 EKW33</b>	<b>AOH 3060</b>
	460	160	7.5	2646	4655	918.00	1080	110	<b>24060 EK30W33</b>	<b>AOH 24060</b>
	500	160	9	3136	4998	918.00	1080	140	<b>23160 EKW33</b>	<b>AOH 3160</b>
	500	200	7.5	3675	6174	765.00	900	180	<b>24160 EK30W33</b>	<b>AOH 24160</b>
	540	140	12	3087	4165	1071.00	1260	155	<b>22260 EKW33</b>	<b>AOH 2260</b>
	540	192	12	3822	5733	765.00	900	200	<b>23260 EKW33</b>	<b>AOH 3260</b>
<b>300</b>	480	121	9	2195	3724	1071.00	1260	89	<b>23064 EKW33</b>	<b>AOH 3064</b>
	480	160	7.5	2793	4998	918.00	1080	115	<b>24064 EK30W33</b>	<b>AOH 24064</b>
	540	176	12	3675	5880	841.50	990	175	<b>23164 EKW33</b>	<b>AOH 3164</b>
	540	218	9	4165	6958	688.50	810	225	<b>24164 EK30W33</b>	<b>AOH 24164</b>
	580	150	12	3528	4802	994.50	1170	185	<b>22264 EKW33</b>	<b>AOH 2264</b>
	580	208	12	4312	6566	726.75	855	250	<b>23264 EKW33</b>	<b>AOH 3264</b>
<b>320</b>	520	133	12	2646	4459	994.50	1170	120	<b>23068 EKW33</b>	<b>AOH 3068</b>
	520	180	9	3381	6076	841.50	990	160	<b>24068 EK30W33</b>	<b>AOH 24068</b>
	580	190	12	4165	6664	765.00	900	225	<b>23168 EKW33</b>	<b>AOH 3168</b>
	580	243	9	5194	8477	650.25	765	295	<b>24168 EK30W33</b>	<b>AOH 24168</b>
	620	224	12	4998	7644	612.00	720	315	<b>23268 EKW33</b>	<b>AOH 3268</b>
<b>340</b>	540	134	12	2695	4704	918.00	1080	125	<b>23072 EKW33</b>	<b>AOH 3072</b>
	540	180	9	3479	6419	765.00	900	165	<b>24072 EK30W33</b>	<b>AOH 24072</b>
	600	192	12	4214	6811	765.00	900	235	<b>23172 EKW33</b>	<b>AOH 3172</b>
	600	243	9	5488	9114	612.00	720	295	<b>24172 EK30W33</b>	<b>AOH 24172</b>
	650	170	12	4214	6076	650.25	765	275	<b>22272 EKW33</b>	<b>AOH 3172</b>
	650	232	12	5292	8134	573.75	675	345	<b>23272 EKW33</b>	<b>AOH 3272</b>
<b>360</b>	560	135	12	2842	4900	918.00	1080	135	<b>23076 EKW33</b>	<b>AOH 3076</b>
	560	180	9	3528	6664	726.75	855	170	<b>24076 EK30W33</b>	<b>AOH 24076</b>
	620	194	12	4312	6958	765.00	900	250	<b>23176 EKW33</b>	<b>AOH 3176</b>
	620	243	9	5586	9604	650.25	765	325	<b>24176 EK30W33</b>	<b>AOH 24176</b>
	680	240	12	5733	8967	573.75	675	390	<b>23276 EKW33</b>	<b>AOH 3276</b>

**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE  
SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**


Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
<b>380</b>	600	148	12	3185	5586	841.50	990	165	<b>23080 EKW33</b>	<b>AOH 3080</b>
	600	200	12	4214	7840	688.50	810	220	<b>24080 EK30W33</b>	<b>AOH 24080</b>
	650	200	12	4557	7497	726.75	855	290	<b>23180 EKW33</b>	<b>AOH 3180</b>
	650	250	12	6076	10388	612.00	720	365	<b>24180 EK30W33</b>	<b>AOH 24180</b>
	720	256	12	6419	10192	512.55	603	470	<b>23280 EKW33</b>	<b>AOH 3280</b>
	820	243	12	7350	10192	573.75	675	675	<b>22380 EKW33</b>	<b>AOH 3280</b>
<b>400</b>	620	150	12	3332	5880	841.50	990	175	<b>23084 EKW33</b>	<b>AOH 3084</b>
	620	200	12	4312	8134	688.50	810	230	<b>24084 EK30W33</b>	<b>AOH 24084</b>
	700	224	12	5488	9114	688.50	810	375	<b>23184 EKW33</b>	<b>AOH 3184</b>
	700	280	12	7203	12348	535.50	630	470	<b>24184 EK30W33</b>	<b>AOH 24184</b>
	760	272	12	7203	11368	481.95	567	550	<b>23284 EKW33</b>	<b>AOH 3284</b>
<b>420</b>	650	157	12	3577	6419	765.00	900	200	<b>23088 EKW33</b>	<b>AOHX 3088</b>
	650	212	12	4704	8967	650.25	765	275	<b>24088 EK30W33</b>	<b>AOH 24088</b>
	720	226	12	5880	9800	650.25	765	380	<b>23188 EKW33</b>	<b>AOHX 3188</b>
	720	280	12	7350	12936	535.50	630	490	<b>24188 EK30W33</b>	<b>AOH 24188</b>
	790	280	12	7644	12250	459.00	540	620	<b>23288 EKW33</b>	<b>AOHX 3288</b>
<b>440</b>	680	163	12	3822	6811	726.75	855	225	<b>23092 EKW33</b>	<b>AOHX 3092</b>
	680	218	12	5096	9800	612.00	720	300	<b>24092 EK30W33</b>	<b>AOH 24092</b>
	760	240	12	6272	10584	612.00	720	465	<b>23192 EKW33</b>	<b>AOHX 3192</b>
	760	300	12	8134	14308	512.55	603	590	<b>24192 EK30W33</b>	<b>AOH 24192</b>
	830	296	12	8330	13426	428.40	504	725	<b>23292 EKW33</b>	<b>AOHX 3292</b>
<b>460</b>	700	165	12	3822	6664	726.75	855	235	<b>23096 EKW33</b>	<b>AOHX 3096</b>
	700	218	12	5194	10192	573.75	675	310	<b>24096 EK30W33</b>	<b>AOH 24096</b>
	790	248	12	6811	11760	573.75	675	515	<b>23196 EKW33</b>	<b>AOHX 3196</b>
	790	308	12	8820	15288	481.95	567	635	<b>24196 EK30W33</b>	<b>AOH 24196</b>
	870	310	12	9114	14700	405.45	477	860	<b>23296 EKW33</b>	<b>AOHX 3296</b>
<b>480</b>	720	167	12	4067	7644	688.50	810	250	<b>230/500 EKW33</b>	<b>AOHX 30/500</b>
	720	218	12	5390	10780	535.50	630	325	<b>240/500 EK30W33</b>	<b>AOH 240/500</b>
	830	264	12	7497	12642	535.50	630	610	<b>231/500 EKW33</b>	<b>AOHX 31/500</b>
	830	325	12	9604	16660	459.00	540	735	<b>241/500 EK30W33</b>	<b>AOH 241/500</b>
	920	336	12	10388	16954	382.50	450	1020	<b>232/500 EKW33</b>	<b>AOHX 32/500</b>
<b>500</b>	780	185	12	4998	9114	612.00	720	365	<b>230/530 EKW33</b>	<b>AOH 30/530</b>
	780	250	12	6566	12936	512.55	603	455	<b>240/530 EK30W33</b>	<b>AOH 240/530</b>
	870	272	12	7987	13720	512.55	603	720	<b>231/530 EKW33</b>	<b>AOH 31/530</b>
	870	335	12	10388	18620	428.40	504	885	<b>241/530 EK30W33</b>	<b>AOH 241/530</b>
	980	355	12	10878	19992	367.20	432	1290	<b>232/530 EKW33</b>	<b>AOH 32/530</b>
<b>530</b>	820	195	12	4480	9180	540	675	430	<b>230/560 EKW33</b>	<b>AOH 30/560</b>
	820	258	12	5880	13140	453.6	567	515	<b>240/560 EK30W33</b>	<b>AOH 240/560</b>
	920	280	12	7320	14400	453.6	567	850	<b>231/560 EKW33</b>	<b>AOH 31/560</b>
	920	355	12	9600	19440	360	450	1060	<b>241/560 EK30W33</b>	<b>AOH 241/560</b>
	1030	365	12	9200	19800	309.6	387	1500	<b>232/560 EKW33</b>	<b>AOH 32/560</b>
<b>570</b>	870	200	12	4800	10260	504	630	480	<b>230/600 EKW33</b>	<b>AOH 30/600</b>
	870	272	12	6520	15300	403.2	504	600	<b>240/600 EK30W33</b>	<b>AOH 240/600</b>
	980	300	12	8160	16200	403.2	504	1010	<b>231/600 EKW33</b>	<b>AOH 31/600</b>



**RODAMIENTOS DE RODILLOS A RÓTULA SOBRE MANGUITO DE DESMONTAJE**  
**SELF-ALIGNING ROLLER BEARINGS WITH WITHDRAWAL SLEEVE**



Dimensiones (mm) Dimension (mm)				Coeficiente de carga (KN) Load rating (KN)		Velocidad límite (rpm) Speed limit (Rpm)		Peso (Kg) Weight (Kg)	Sigla Designation	
d (mm)	D (mm)	B (mm)	K (mm)	Dinámico Dynamic C	Estático Static C <sub>0</sub>	Lubrificación Lubrication			Rodamiento Bearing	Manguito de desmontaje Withdrawal sleeve
						Grasa Grease	Aceite Oil			
	980	375	12	9200	21240	345.6	432	1290	241/600 EK30W33	AOH 241/600
	1090	388	12	10480	22950	288	360	1760	232/600 EKW33	AOH 32/600
<b>600</b>	920	212	12	5360	11250	482.4	603	575	230/630 EKW33	AOH 30/630
	920	290	12	7040	16200	381.6	477	730	240/630 EK30W33	AOH 240/630
	1030	315	12	8400	18720	381.6	477	1190	231/630 EKW33	AOH 31/630
	1030	400	12	10160	24300	324	405	1500	241/630 EK30W33	AOH 241/630
<b>630</b>	980	230	12	6120	13140	432	540	720	230/670 EKW33	AOH 30/670
	980	308	12	8000	18360	360	450	900	240/670 EK30W33	AOH 240/670
	1030	315	12	8400	18720	381.6	477	1430	231/670 EKW33	AOH 31/670
	1090	412	12	11040	26100	288	360	1730	241/670 EK30W33	AOH 241/670
	1220	438	12	12320	27450	259.2	324	2500	232/670 EKW33	AOH 32/670
<b>670</b>	1030	236	12	6640	14670	403.2	504	800	230/710 EKW33	AOH 30/710
	1030	315	12	8480	20520	324	405	1010	240/710 EK30W33	AOH 240/710
	1150	345	12	9760	23400	324	405	1650	231/710 EKW33	AOH 31/710
	1150	438	12	12160	29250	273.6	342	2040	241/710 EK30W33	AOH 241/710
	1280	450	12	14080	31050	230.4	288	2810	232/710 EKW33	AOH 32/710
<b>710</b>	1090	250	12	7720	16740	381.6	477	950	230/750 EKW33	AOH 30/750
	1090	335	12	9440	22500	309.6	387	1200	240/750 EK30W33	AOH 240/750
	1220	365	12	11040	26100	309.6	387	1930	231/750 EKW33	AOH 31/750
	1220	475	12	13840	33750	259.2	324	2280	241/750 EK30W33	AOH 241/750
	1360	475	12	14960	32850	216	270	3280	232/750 EKW33	AOH 32/750
<b>750</b>	1150	258	12	8000	18000	345.6	432	1100	230/800 EKW33	AOH 30/800
	1150	345	12	10320	25650	288	360	1380	240/800 EK30W33	AOH 240/800
	1280	375	12	11840	28350	288	360	2200	231/800 EK30W33	AOH 31/800
	1280	475	12	14720	36450	230.4	288	2540	241/800 EKW33	AOH 241/800
<b>800</b>	1220	272	12	7496	19440	324	405	1250	230/850 EKW33	AOH 30/850
	1220	365	12	10160	28350	259.2	324	1670	240/850 EK30W33	AOH 240/850
	1360	400	12	12880	31050	259.2	324	2500	231/850 EKW33	AOH 31/850
	1360	500	12	16160	40500	216	270	3050	241/850 EK30W33	AOH 241/850
<b>850</b>	1280	280	12	8080	20880	288	360	1450	230/900 EKW33	AOH 30/900
	1280	375	12	10880	31050	244.8	306	1850	240/900 EK30W33	AOH 240/900
	1420	515	12	17120	44100	201.6	252	3700	241/900 EK30W33	AOH 241/900
<b>900</b>	1360	300	12	9600	25650	273.6	342	1720	230/950 EKW33	AOH 30/950
	1360	412	12	11840	35100	216	270	2300	240/950 EK30W33	AOH 240/950
	1500	545	12	19120	49500	187.2	234	3950	241/950 EK30W33	AOH 241/950
<b>950</b>	1420	308	12	10160	27450	259.2	324	1900	230/1000 EKW33	AOH 30/1000
	1420	412	12	12320	36450	201.6	252	2500	240/1000 EK30W33	AOH 240/1000
	1580	462	12	17120	43200	201.6	252	3950	231/1000 EKW33	AOH 31/1000
	1580	580	12	21360	55800	172.8	216	4800	241/1000 EK30W33	AOH 241/1000
<b>1000</b>	1500	325	12	11040	30600	230.4	288	2600	230/1060 EKW33	AOH 30/1060
	1500	438	12	13840	40950	187.2	234	2950	240/1060 EK30W33	AOH 240/1060