

CATALOGO DE CHUMACERAS



**MOUNTED
BEARING
CATALOG**

GARANTIA DE CALIDAD

LKS garantiza que todos sus productos están fabricados de acuerdo a las especificaciones de este catálogo.

La responsabilidad de LKS en esta garantía se limitará a la reposición de la pieza deteriorada, una vez comprobado que tal deterioro fue por defectos de fabricación, siempre y cuando LKS o sus DISTRIBUIDORES, sean notificados dentro de los 90 días posteriores a la fecha de facturación al usuario. La reposición será hecha por LKS L. A. B. Centros de Servicio o CIF puerto de exportación.

WARRANTY

LKS warrants that parts manufactured by it will be as specified and will be free from defects in material and workmanship. LKS's liability under this warranty shall be limited to the repair or replacement or the repayment of the purchase price, or the granting of a reasonable allowance (as LKS may select) of any part which upon return to LKS is found to be defective at the time of shipment, providing buyer notifies LKS of any such defect within 10 days of its discovery, but in no event later than 90 days from the date of shipment of such part by LKS. Repair or replacement shall be made by LKS CIF port of export.

LKS makes no other warranty or representation of any kind, expressed or implied, except that of title, and all implied warranties of merchantability and fitness for a particular purpose are excluded.

LIABILITY

Total liability of LKS with respect to any order, whether based on contract, warranty, negligence, indemnity, strict liability or otherwise, shall not exceed the purchase price of the part upon which such liability is based.

LKS shall in no event be liable to the buyer, any successors in interest or any beneficiary of any order, for any consequential, incidental, indirect, special or punitive damages arising out of such order or any breach thereof, whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability or otherwise.

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Introducing CHUMACERAS INDUSTRIALES LKS, S.A. DE C.V. a major mexican manufacturer of self aligning mounted bearings since 1965, and number one in the mexican market, is conquering the american market with its recently designed "pyramidal" housings which crystalizes all their experience and is the final result of meticulous engineering studies and tests That have proven to be favoured by users and OEM's in Mexico:

The feedback from their customers over the past 45 years has been an important factor that in conjunction with the work of renowned engineers, has resulted in a dynamic and modern design utilizing aerodynamic forms that ennance this line of products.

LKS is very proud to say that their products are of the highest quality, utilizing the most modern tooling and machinery available. Stringent quality manufacturing techniques that conform to all international standards and this explains the position LKS has achieved in the bearing industry.

The bearings used are of the highest quality available and their performance is based on the load rating published in this catalog LKS bearings are available in both normal and medium duty.

" LKS MOVING THE INDUSTRY "

CHUMACERAS INDUSTRIALES LKS, S.A. DE C.V. como el principal fabricante mexicano de chumaceras auto-alineables, fué fundado en 1965 y somos actualmente el número uno en el mercado mexicano, lugar en el que nos hemos mantenido durante los últimos 10 años. Estamos buscando también conquistar el mercado internacional con la chumacera de exclusivo diseño, que dimos en llamar "piramidal", por su forma estructural que mejora su resistencia, que cristaliza toda nuestra experiencia y es el resultado final de meticulosos estudios de ingeniería y pruebas de calidad, que hacen patente el ser favorecidos por los usuarios en México desde su presentación hace ya 5 años.

La información proporcionada por nuestros clientes durante 45 años, ha sido un factor importante que, en conjunto con el trabajo de renombrados ingenieros diseñadores, ha dado como resultado un robusto dinámico y moderno diseño usando formas aerodinámicas, que resalta la estética de esta línea de productos.

LKS esta muy orgullosa de lograr que todas sus chumaceras sean fabricadas con mano de obra mexicana altamente calificada y con maquinaria y herramental de la más moderna tecnología disponible, que con eficientes técnicas de fabricación enfocadas a producir alta calidad y siguiendo estrictamente los lineamientos de las normas internacionales, justifican el liderazgo que tenemos en el mercado.

Los rodamientos incorporados en nuestras chumaceras son de la más alta calidad a nivel internacional y satisfacen plenamente las especificaciones que se describen en este catálogo para integrar las unidades LKS, mismas que se encuentran disponibles para trabajo normal y semi-pesado.

"LKS PONIENDO EN MOVIMIENTO A LA INDUSTRIA"

Capacidades de Carga para Unidades de Servicio Normal

Load Rating Table Normal Duty Units

DIAMETRO DE EJE SHAFT DIAM.		Unidad UNIT No.	BASADAS EN 500 HRS. DE VIDA MINIMA BASED ON 500 HRS. MINIMUM LIFE										2500 HRS. DE VIDA PROMEDIO 2500 HRS. AVERAGE LIFE					RPM
mm	Pulg. Inches		33 1/3	50	100	250	500	750	1000	1200	1500	2000	2400	3600	5000			
12.7	1/2	8																
14.3	9/16	9																
15.9	5/8	10	1010	880	700	515	410	355	325	305	285	260	240	210	190	Kg		
17.5	11/16	11	2225	1938	1542	1134	903	782	716	672	628	573	529	462	418	Lbs.		
19.1	3/4	12																
22.2	7/8	14																
23.8	15/16	15	1100	960	765	560	445	390	355	335	310	280	265	230	205	Kg		
25.4	1	16	2422	2114	1685	1233	980	859	782	739	683	617	584	507	451	Lbs.		
27.0	1 1/16	17																
28.6	1 1/8	18	1540	1340	1070	785	625	545	495	465	435	395	370	325	290	Kg		
30.2	1 3/16	19	3392	2951	2357	1729	1377	1200	1090	1024	958	870	815	716	639	Lbs.		
31.8	1 1/4	20																
33.3	1 5/16	21	2030	1770	1410	1040	825	720	655	615	570	520	490	425		Kg		
34.9	1 3/8	22	4471	3899	3106	2291	1817	1586	1443	1355	1255	1145	1079	936		Lbs.		
36.5	1 7/16	23																
38.1	1 1/2	24	2300	2010	1590	1170	930	815	740	695	645	585	550	485		Kg		
39.7	1 9/16	25	5066	4427	3502	2577	2048	1795	1630	1531	1421	1288	1211	1068		Lbs.		
41.3	1 5/8	26																
42.9	1 11/16	27	2570	2240	1780	1310	1040	910	825	780	720	655	620			Kg		
44.5	1 3/4	28	5660	4934	3921	2885	2291	2004	1817	1718	1586	1443	1366			Lbs.		
47.6	1 7/8	30	2760	2410	1910	1410	1120	975	890	835	775	705	665			Kg		
49.2	1 15/16	31	6079	5308	4207	3106	2467	2147	1960	1839	1707	1553	1465			Lbs.		
50.8	2	32																
54.0	2 1/8	34	3400	2970	2360	1740	1380	1200	1090	1030	955	870	815			Kg		
55.6	2 3/16	35	7489	6542	5198	3832	3040	2643	2401	2269	2103	1916	1795			Lbs.		
57.2	2 1/4	36																
60.3	2 3/8	38	4100	3580	2840	2090	1660	1450	1320	1240	1150	1050	985			Kg		
61.9	2 7/16	39	9031	7885	6255	4603	3656	3134	2907	2731	2533	2313	2170			Lbs.		
63.5	2 1/2	40	4500	3930	3120	2300	1820	1590	1450	1360	1260	1150				Kg		
			9912	8656	6872	5066	4009	3502	3194	2995	2775	2533				Lbs.		

CAPACIDAD DE CARGA Y VIDA DEL RODAMIENTO

La capacidad de las chumaceras LKS a velocidades específicas y bajo condiciones constantes de carga, se pueden determinar por medio de estas tablas. Que están calculadas de acuerdo a un promedio de trabajo de 2500 hrs., bajo carga uniforme y con vida mínima de 500 hrs.

LOAD RATINGS AND BEARING LIFE

The LKS mounted bearing units load ratings at specific speed and under constant conditions of load can be determined with these tables. Both are calculated at 2500 hrs. average life under uniform load and with 500 hrs. minimum life.

Capacidades de Carga para Unidades Reforzadas

Load Rating Table Medium Duty Units

DIAMETRO DE FLECHA SHAFT DIAM mm	Pulg. Inches	Unidad UNIT No.	BASADAS EN 500 HRS. DE VIDA MINIMA BASED ON 500 HRS. MINIMUM LIFE								2500 HRS. DE VIDA PROMEDIO 2500 HRS. AVERAGE LIFE						RPM
			33	1/3	50	100	250	500	750	1000	1200	1500	2000	2400	3600	5000	
			14	15	16	17	18	19	20	21	22	23	24	25	26	27	
22.2	7/8	14															
23.8	15/16	15	1540	1340	1070	785	625	545	495	465	435	395	370	325	290		Kg
25.4	1	16	3392	2951	2357	1729	1377	1200	1090	1024	958	870	815	716	639		Lbs.
28.6	1 1/8	18															
30.2	1 3/16	19	2030	1770	1410	1040	825	720	655	615	570	520	490	425			Kg
			4471	3899	3106	2291	1817	1586	1443	1355	1255	1145	1079	936			Lbs.
33.3	1 5/16	21															
34.9	1 3/8	22	2300	2010	1590	1170	930	815	740	695	645	585	550	485			Kg
36.5	1 7/16	23	5066	4427	3502	2577	2048	1795	1630	1531	1420	1288	1211	1068			Lbs.
38.1	1 1/2	24															
			2570	2240	1780	1310	1040	910	825	780	720	655	620				Kg
			5660	4934	3921	2885	2291	2004	1817	1718	1586	1443	1366				Lbs.
41.3	1 5/8	26															
42.9	1 11/16	27	2760	2410	1910	1410	1120	975	890	835	775	705	665				Kg
44.5	1 3/4	28	6079	5308	4207	3106	2467	2147	1960	1839	1707	1553	1465				Lbs.
49.2	1 15/16	31															
			3400	2970	2360	1740	1380	1200	1090	1030	955	870	815				Kg
			7489	6542	5198	3832	3040	2643	2401	2270	2100	1910	1800				Lbs.
55.6	2 3/16	35															
			100	3580	2840	2090	1660	1450	1320	1240	1150	1050	985				Kg
			9031	7885	6255	4603	3656	3194	2907	2731	2533	2313	2170				Lbs.
60.3	2 3/8	38															
61.9	2 7/8	39	4500	3930	3120	2300	1820	1590	1450	1360	1260	1150					Kg
			9912	8656	6872	5066	4009	3510	3194	2995	2775	2533					Lbs.

FLEXION DE LAS FLECHAS.

Las chumaceras LKS son autoalineables y soportan un determinado ángulo de desalineación de la flecha. Este, no debe ser mayor de 2° 10' por razones de lubricación. No atender esta sugerencia, puede reducir la vida del producto.

Las principales causas de desalineación son:

a).-Flexión en la flecha por acción de la carga o

Que la flecha esté pandeada.

b).-Desnivel entre apoyos (chumaceras).

SELFALIGNING AND LUBRICATION

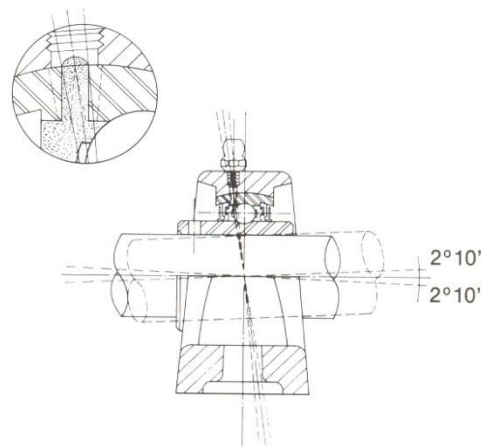
LKS mounted bearing units are self aligning and accept certain angle of shaft misalignment. This angle can't be more than 2° 10' because of lubrication reasons.

Not following this suggestion may reduce product life.

The main causes of misalignment are:

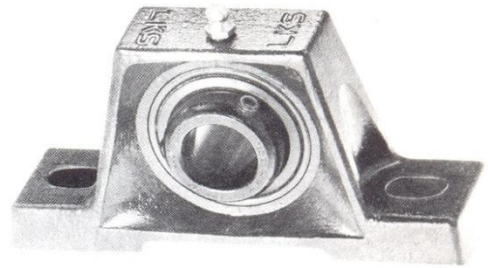
a) Shaft is bent, by load or other reason.

b) Level difference between mounted units.



NP Unidades Selladas de Piso para Servicio Normal

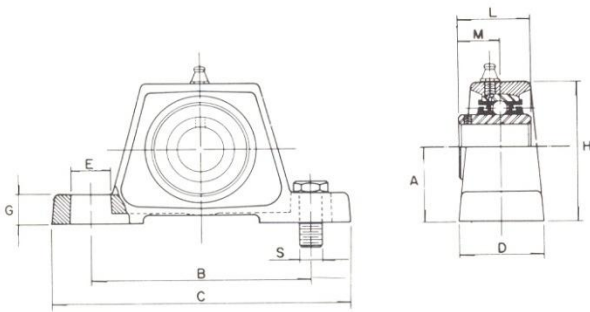
Normal Duty Pillow Blocks



DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	A	B	C	D	E	G	H	L	M	S Tornillo Screw	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	kg lbs
12.7	1/2	NP-8											
14.3	9/16	NP-9	30.1	95.2	130.1	33.3	17.4	11.9	58.7	30.9	18.2	9.5	0.58
15.9	5/8	NP-10	1 3/16	3 3/4	5 1/8	1 5/16	11/16	15/32	2 5/16	1 7/32	23/32	3/8	1.27
17.5	11/16	NP-11											
19.1	3/4	NP-12	33.3	95.2	130.1	36.5	17.4	13.5	62.7	30.9	18.2	9.5	0.64
			1 5/16	3 3/4	5 1/8	1 7/16	11/16	17/32	2 15/32	1 7/32	23/32	3/8	1.41
22.2	7/8	NP-14	36.5	103.1	138.1	39.6	17.4	15.0	69.0	34.1	19.8	9.5	0.86
23.8	15/16	NP-15	1 7/16	4 1/16	5 7/16	1 9/16	11/16	19/32	2 23/32	1 11/32	25/32	3/8	1.89
25.4	1	NP-16											
27.0	1 1/16	NP-17	42.8	120.6	161.9	46.0	20.6	18.2	81.7	38.1	22.2	12.7	1.40
28.6	1 1/8	NP-18	1 11/16	4 3/4	6 3/8	1 13/16	13/16	23/32	3 7/32	1 1/2	7/8	1/2	3.08
30.2	1 3/16	NP-19											
31.8	1 1/4	NP-20	47.6	131.7	173.0	49.2	20.6	20.6	92.0	42.8	25.4	12.7	1.83
33.3	1 5/16	NP-21	1 7/8	5 3/16	6 13/16	1 15/16	13/16	13/16	3 5/8	1 11/16	1	1/2	4.03
34.9	1 3/8	NP-22											
36.5	1 7/16	NP-23											
38.1	1 1/2	NP-24	49.2	141.2	182.5	52.3	20.6	21.4	96.8	49.2	30.1	12.7	2.26
39.7	1 9/16	NP-25	1 15/16	5 9/16	7 3/16	2 1/16	13/16	27/32	3 13/16	1 15/16	1 3/16	1/2	4.98
41.3	1 5/8	NP-26	53.9	147.6	188.9	55.5	20.6	23.8	105.5	49.2	30.1	12.7	2.64
42.9	1 11/16	NP-27	2 1/8	5 13/16	7 7/16	2 3/16	13/16	15/16	4 5/32	1 15/16	1 3/16	1/2	5.81
44.5	1 3/4	NP-28											
47.6	1 7/8	NP-30	57.1	160.3	207.9	58.7	23.8	25.4	111.9	51.6	32.5	15.8	3.14
49.2	1 15/16	NP-31	2 1/4	6 5/16	8 3/16	2 5/16	15/16	1	4 13/32	2 1/32	1 9/32	5/8	6.92
50.8	2	NP-32	63.5	171.5	220.6	61.9	23.8	28.5	124.6	55.5	33.3	15.8	4.07
54.0	2 1/8	NP-34	2 1/2	6 3/4	8 11/16	2 7/16	15/16	1 1/8	4 29/32	2 3/16	1 5/16	5/8	8.97
55.6	2 3/16	NP-35											
57.2	2 1/4	NP-36	69.8	184.1	231.7	65.0	23.8	31.7	137.3	65.0	39.6	15.8	4.94
60.3	2 3/8	NP-38	2 3/4	7 1/4	9 1/8	2 9/16	15/16	1 1/4	5 13/32	2 9/16	1 9/16	5/8	10.88
61.9	2 7/16	NP-39											
63.5	2 1/2	NP-40	76.2	201.6	255.5	71.4	26.9	34.9	150.0	65.0	39.6	19.0	6.27
			3	7 15/16	10 1/16	2 13/16	1 1/16	1 3/8	5 29/32	2 9/16	1 9/16	3/4	13.81

Ver capacidades de carga en la página 3

See load ratings on page 3



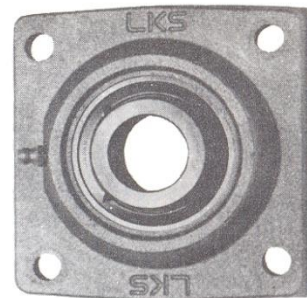
**Unidades Selladas de Piso
Reforzadas** **MP**
Medium Duty Pillow Blocks

DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	A	B	C	D	E	G	H	L	M	S Tornillo Screw	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	kg lbs
22.2	7/8	MP-14											
23.8	15/16	MP-15	42.8	120.6	161.9	46.0	20.6	18.2	81.7	38.1	22.2	12.7	1.46
25.4	1	MP-16	1 11/16	4 3/4	6 3/8	1 13/16	13/16	23/32	3 7/32	1 1/2	7/8	1/2	3.21
28.6	1 1/8	MP-18	47.6	131.7	173.0	49.2	20.6	20.6	92.0	42.8	25.4	12.7	2.02
30.2	1 3/16	MP-19	1 7/8	5 3/16	6 13/16	1 15/16	13/16	13/16	3 5/8	1 11/16	1	1/2	4.45
33.3	1 5/16	MP-21											
34.9	1 3/8	MP-22	49.2	141.2	182.5	52.3	20.6	21.4	96.8	49.2	30.1	12.7	2.41
36.5	1 7/16	MP-23	1 15/16	5 9/16	7 3/16	2 1/16	13/16	27/32	3 13/16	1 15/16	1 3/16	1/2	5.31
38.1	1 1/2	MP-24	53.9	147.6	188.9	55.5	20.6	23.8	105.5	49.2	30.1	12.7	2.87
			2 1/8	5 13/16	7 7/16	2 3/16	13/16	15/16	4 5/32	1 15/16	1 3/16	1/2	6.32
41.3	1 5/8	MP-26											
42.9	1 11/16	MP-27	57.1	160.3	207.9	58.7	23.8	25.4	111.9	51.6	32.5	15.8	3.35
44.5	1 3/4	MP-28	2 1/4	6 5/16	8 3/16	2 5/16	15/16	1	4 13/32	2 1/32	1 9/32	5/8	7.38
49.2	1 15/16	MP-31	63.5	173.0	220.6	61.9	23.8	28.5	124.6	55.5	33.3	15.8	4.32
			2 1/2	6 13/16	8 11/16	2 7/16	15/16	1 1/8	4 29/32	2 3/16	1 5/16	5/8	9.52
55.6	2 3/16	MP-35	69.8	184.1	231.7	65.0	23.8	31.7	137.3	65.0	39.6	15.8	5.27
			2 3/4	7 1/4	9 1/8	2 9/16	15/16	1 1/4	5 13/32	2 9/16	1 9/16	5/8	11.61
60.3	2 3/8	MP-38	76.2	201.6	255.5	71.4	26.9	34.9	150.0	65.0	39.6	19.0	6.55
61.9	2 7/16	MP-39	3	7 15/16	10 1/16	2 13/16	1 1/16	1 3/8	5 29/32	2 9/16	1 9/16	3/4	14.43

Ver capacidades de carga en la página 4
See load ratings on page 4

NF Unidades Selladas Tipo Brida 4 Barrenos para Servicio Normal

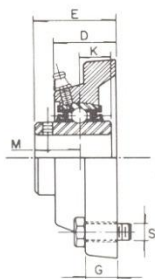
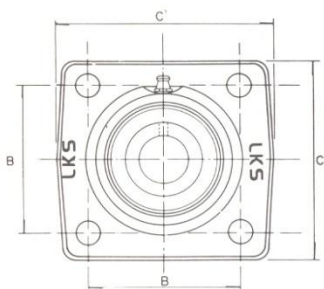
Normal Duty 4 Bolt Flange Units



DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	B	C	C'	D	E	G	K	M	S Tornillo Screw	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	kg lbs
12.7	1/2	NF-8										
14.3	9/16	NF-9										
15.9	5/8	NF-10	63.5	85.7	90.4	25.4	33.3	11.9	12.7	18.2	9.5	0.66
17.5	11/16	NF-11	2 1/2	3 3/8	3 9/16	1	1 5/16	15/32	1/2	23/32	3/8	1.45
19.1	3/4	NF-12										
22.2	7/8	NF-14										
23.8	15/16	NF-15	69.8	95.2	99.9	27.7	36.5	14.2	14.2	19.8	9.5	0.86
25.4	1	NF-16	2 3/4	3 3/4	3 15/16	1 3/32	1 7/16	9/16	9/16	25/32	3/8	1.89
27.0	1 1/16	NF-17										
28.6	1 1/8	NF-18	83.3	107.9	114.3	31.7	40.4	15.0	15.9	22.2	9.5	1.34
30.2	1 3/16	NF-19	3 9/32	4 1/4	4 1/2	1 1/4	1 19/32	19/32	5/8	7/8	3/8	2.95
31.8	1 1/4	NF-20										
33.3	1 5/16	NF-21	92.0	117.4	123.8	34.1	45.2	17.4	17.4	25.4	12.7	1.73
34.9	1 3/8	NF-22	3 5/8	4 5/8	4 7/8	1 11/32	1 25/32	11/16	11/16	1	1/2	3.81
36.5	1 7/16	NF-23										
38.1	1 1/2	NF-24										
39.7	1 9/16	NF-25	101.6	130.1	138.1	38.8	53.1	18.2	19.0	30.2	12.7	2.31
			4	5 1/8	5 7/16	1 17/32	2 3/32	23/32	3/4	1 3/16	1/2	5.09
41.3	1 5/8	NF-26										
42.9	1 11/16	NF-27	104.7	136.5	143.6	38.8	53.1	18.2	19.0	30.2	12.7	2.53
44.5	1 3/4	NF-28	4 1/8	5 3/8	5 21/32	1 17/32	2 3/32	23/32	3/4	1 3/16	1/2	5.57
47.6	1 7/8	NF-30										
49.2	1 15/16	NF-31	111.1	142.8	150.8	38.8	54.7	18.2	19.0	32.5	12.7	2.76
			4 3/8	5 5/8	5 15/16	1 17/32	2 5/32	23/32	3/4	1 9/32	1/2	6.08
50.8	2	NF-32										
54.0	2 1/8	NF-34	130.1	161.9	170.6	42.8	58.7	21.4	22.2	33.3	15.9	3.90
55.6	2 3/16	NF-35	5 1/8	6 3/8	6 23/32	1 11/16	2 5/16	27/32	7/8	1 5/16	5/8	8.59
57.2	2 1/4	NF-36										
60.3	2 3/8	NF-38	142.8	174.6	184.1	46.8	67.4	24.6	25.4	39.6	15.9	5.20
61.9	2 7/16	NF-39	5 5/8	6 7/8	7 1/4	1 27/32	2 21/32	31/32	1	1 9/16	5/8	11.46
63.5	2 1/2	NF-40										
			149.2	187.3	198.4	46.8	69.0	24.6	25.4	39.6	15.9	6.25
			5 7/8	7 3/8	7 13/16	1 27/32	2 23/32	31/32	1	1 9/16	5/8	13.77

Ver capacidades de carga en la página 3

See load ratings on page 3.



Unidades Selladas Tipo Brida 4 Barrenos **MF** Reforzadas

Medium Duty 4 Bolt Flange Units

DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	B	C	C'	D	E	G	K	M	S Tornillo Screw	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	kg lbs
22.2 23.8 25.4	7/8 15/16 1	MF-14 MF-15 MF-16	83.3 3 9/32	107.9 4 1/4	114.3 4 1/2	31.7 1 1/4	40.4 1 19/32	16.6 21/32	15.9 5/8	22.2 7/8	9.5 3/8	1.39 3.06
28.6 30.2	1 1/8 1 3/16	MF-18 MF-19	92.0 3 5/8	117.4 4 5/8	123.8 4 7/8	34.1 1 11/32	45.2 1 25/32	19.0 3/4	17.4 11/16	25.4 1	12.7 1/2	1.91 4.20
33.3 34.9 36.5	1 5/16 1 3/8 1 7/16	MF-21 MF-22 MF-23	101.6 4	130.1 5 1/8	138.1 5 7/16	38.8 1 17/32	53.1 2 3/32	19.8 25/32	19.0 3/4	30.2 1 3/16	12.7 1/2	2.46 5.42
38.1	1 1/2	MF-24	104.7 4 1/8	136.5 5 3/8	143.6 5 21/32	38.8 1 17/32	53.1 2 3/32	19.8 25/32	19.0 3/4	30.2 1 3/16	12.7 1/2	2.75 6.06
41.3 42.9 44.5	1 5/8 1 11/16 1 3/4	MF-26 MF-27 MF-28	111.1 4 3/8	142.8 5 5/8	150.8 5 15/16	38.8 1 17/32	54.7 2 5/32	19.8 25/32	19.0 3/4	32.5 1 9/32	12.7 1/2	2.98 6.56
49.2	1 15/16	MF-31	130.1 5 1/8	161.9 6 3/8	170.6 6 23/32	42.8 1 11/16	58.7 2 5/16	23.0 29/32	22.2 7/8	33.3 1 5/16	15.9 5/8	4.15 9.14
55.6	2 3/16	MF-35	142.8 5 5/8	174.6 6 7/8	184.1 7 1/4	46.8 1 27/32	67.4 2 21/32	26.2 1 1/32	25.4 1	39.6 1 9/16	15.9 5/8	5.53 12.18
60.3 61.9	2 3/8 2 7/16	MF-38 MF-39	149.2 5 7/8	187.3 7 3/8	198.4 7 13/16	46.8 1 27/32	69.0 2 23/32	26.2 1 1/32	25.4 1	39.6 1 9/16	15.9 5/8	6.54 14.41

Ver capacidades de carga en la página 4

See load ratings on page 4



Unidades Selladas Tipo Brida 2 Barrenos para Servicio Normal

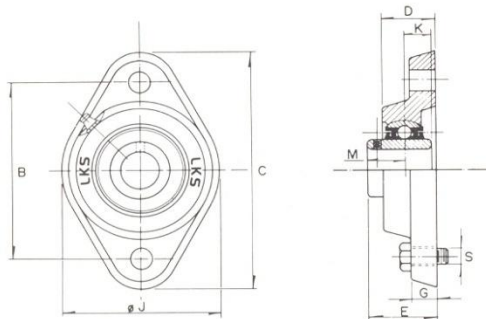
Normal Duty 2 Bolt Flange Units



DIAMETRO DE LA FLECHA SHAFT DIAM. mm Pulg. Inches		Unidad UNIT No.	B mm Pulg. Inches	C mm Pulg. Inches	D mm Pulg. Inches	E mm Pulg. Inches	G mm Pulg. Inches	J mm Pulg. Inches	K mm Pulg. Inches	M mm Pulg. Inches	S Tornillo Screw mm Pulg. Inches	Peso Weight kg lbs
12.7	1/2	NFD-8										
14.3	9/16	NFD-9										
15.9	5/8	NFD-10	89.7	119.8	25.4	33.3	11.9	77.0	12.7	18.2	9.5	0.59
17.5	11/16	NFD-11	3 17/32	4 23/32	1	1 5/16	15/32	3 1/32	1/2	23/32	3/8	1.30
19.1	3/4	NFD-12										
22.2	7/8	NFD-14										
23.8	15/16	NFD-15	98.4	132.5	27.7	36.5	14.2	85.7	14.2	19.8	9.5	0.81
25.4	1	NFD-16	3 7/8	5 7/32	1 3/32	1 7/16	9/16	3 3/8	9/16	25/32	3/8	1.78
27.0	1 1/16	NFD-17										
28.6	1 1/8	NFD-18	116.6	150.0	31.7	40.4	15.0	99.2	15.9	22.2	9.5	1.15
30.2	1 3/16	NFD-19	4 19/32	5 29/32	1 1/4	1 19/32	19/32	3 29/32	5/8	7/8	3/8	2.53
31.8	1 1/4	NFD-20										
33.3	1 5/16	NFD-21	130.1	165.1	34.1	45.2	17.4	110.33	17.4	25.4	12.7	1.53
34.9	1 3/8	NFD-22	5 1/8	6 1/2	1 11/32	1 25/32	11/16	4 11/32	11/16	1	1/2	3.37
36.5	1 7/16	NFD-23										
41.3	1 5/8	NFD-26										
42.9	1 11/16	NFD-27	148.4	188.1	38.8	53.1	18.2	127.0	19.0	30.2	12.7	2.30
44.5	1 3/4	NFD-28	5 27/32	7 13/32	1 17/32	2 3/32	23/32	5	3/4	1 3/16	1/2	5.06
50.8	2	NFD-32										
54.0	2 1/8	NFD-34	184.1	227.8	42.8	58.7	21.4	148.4	22.2	33.3	15.9	3.45
55.6	2 3/16	NFD-35	7 1/4	8 31/32	1 11/16	2 5/16	27/32	5 27/32	7/8	1 5/16	5/8	7.60

Ver capacidades de carga en la página 3

See load ratings on page 3



Unidades Selladas Tipo Brida 2 Barrenos Reforzadas **MFD**

Medium Duty 2 Bolt Flange Units

DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	B	C	D	E	G	J	K	M	S Tornillo Screw	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	kg lbs
22.2	7/8	MFD-14	116.6	150.0	31.7	40.4	15.0	99.2	15.9	22.2	9.5	1.20
23.8	15/16	MFD-15	4 19/32	5 29/32	1 1/4	1 19/32	19/32	3 29/32	5/8	7/8	3/8	2.64
25.4	1	MFD-16										
28.6	1 1/8	MFD-18	130.1	165.1	34.1	45.2	17.4	110.33	17.4	25.4	12.7	1.71
30.2	1 3/16	MFD-19	5 1/8	6 1/2	1 11/32	1 25/32	11/16	4 11/32	11/16	1	1/2	3.76
38.1	1 1/2	MFD-24	148.4	188.1	38.8	53.1	18.2	127.0	19.0	30.2	12.7	2.52
			5 27/32	7 13/32	1 17/32	2 3/32	23/32	5	3/4	1 3/16	1/2	5.55
49.2	1 15/16	MFD-31	184.1	227.8	42.8	58.7	21.4	148.4	22.2	33.3	15.9	3.70
			7 1/4	8 31/32	1 11/16	2 5/16	27/32	5 27/32	7/8	1 5/16	5/8	8.15

Ver capacidades de carga en la página 4

See load ratings on page 4

NT Unidades Selladas Tipo Tensora para Servicio Normal

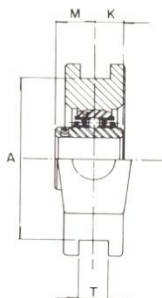
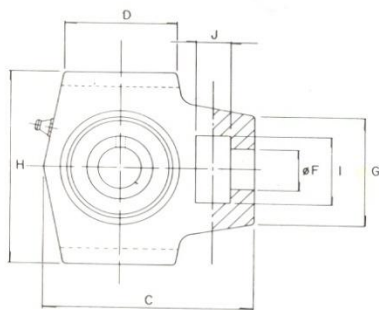
Normal Duty Take Up Units



DIAMETRO DE LA FLECHA SHAFT DIAM. mm Pulg. Inches		Unidad UNIT No.	A mm Pulg. Inches	C mm Pulg. Inches	D mm Pulg. Inches	F mm Pulg. Inches	G mm Pulg. Inches	H mm Pulg. Inches	I mm Pulg. Inches	J mm Pulg. Inches	K mm Pulg. Inches	M mm Pulg. Inches	T mm Pulg. Inches	Peso Weight Kg. Lb.
12.7	1/2	NT-8												
14.3	9/16	NT-9												
15.9	5/8	NT-10	76.2	94.5	50.8	19.1	50.8	90.5	31.8	15.9	12.7	18.3	13.5	0.96
17.5	11/16	NT-11	3	3 23/32	2	3/4	2	3 9/16	1 1/4	5/8	1/2	23/32	17/32	2.11
19.1	3/4	NT-12												
22.2	7/8	NT-14	76.2	104.0	50.8	19.1	50.8	90.5	31.8	15.9	14.3	20.6	13.5	1.09
23.8	15/16	NT-15	3	4 3/32	2	3/4	2	3 9/16	1 1/4	5/8	9/16	13/16	17/32	2.40
25.4	1	NT-16												
27.0	1 1/16	NT-17	88.1	111.1	57.2	22.2	55.6	102.4	36.5	15.9	15.9	22.2	13.5	1.48
28.6	1 1/8	NT-18	3 15/32	4 3/8	2 1/4	7/8	2 3/16	4 1/32	1 7/16	5/8	5/8	7/8	17/32	3.26
30.2	1 3/16	NT-19												
31.8	1 1/4	NT-20	88.1	127.0	68.3	22.2	57.2	102.4	36.5	15.9	17.5	25.4	13.5	1.79
33.3	1 5/16	NT-21	3 15/32	5	2 11/16	7/8	2 1/4	4 1/32	1 7/16	5/8	11/16	1	17/32	3.94
34.9	1 3/8	NT-22												
36.5	1 7/16	NT-23												
38.1	1 1/2	NT-24	101.6	144.5	87.3	28.6	73.0	115.9	48.4	17.5	19.1	30.2	17.5	3.07
39.7	1 9/16	NT-25	4	5 11/16	3 7/16	1 1/8	2 7/8	4 9/16	1 29/32	11/16	3/4	1 3/16	11/16	6.76
41.3	1 5/8	NT-26	101.6	146.8	87.3	28.6	73.0	119.1	49.2	19.1	19.1	30.2	17.5	2.93
42.9	1 11/16	NT-27	4	5 25/32	3 7/16	1 1/8	2 7/8	4 11/16	1 15/16	3/4	3/4	1 3/16	11/16	6.45
44.5	1 3/4	NT-28												
47.6	1 7/8	NT-30	103.2	150.8	88.9	28.6	73.0	119.1	49.2	19.1	19.1	32.5	17.5	2.98
49.2	1 15/16	NT-31	4 1/16	5 15/16	3 1/2	1 1/8	2 7/8	4 11/16	1 15/16	3/4	3/4	1 9/32	11/16	6.56
50.8	2	NT-32	130.2	171.5	95.2	34.9	92.1	147.6	63.5	25.4	22.2	33.3	27.0	4.59
54.0	2 1/8	NT-34	5 1/8	6 3/4	3 3/4	1 3/8	3 5/8	5 13/16	2 1/2	1	7/8	1 5/16	1 1/16	10.11
55.6	2 3/16	NT-35												
57.2	2 1/4	NT-36	130.2	196.0	107.9	34.9	90.5	147.6	63.5	30.2	25.4	39.7	27.0	5.38
60.3	2 3/8	NT-38	5 1/8	7 23/32	4 3/4	1 3/8	3 9/16	5 13/16	2 1/2	1 3/16	1	1 9/16	1 1/16	11.85
61.9	2 7/16	NT-39												
63.5	2 1/2	NT-40	150.8	222.3	123.8	41.3	101.6	168.3	69.9	31.8	25.4	39.7	27.0	7.32
			5 15/16	8 3/4	4 7/8	1 5/8	4	6 5/8	2 3/4	1 1/4	1	1 9/16	1 1/16	16.13

Ver capacidades de carga en la página 3

See load ratings on page 3



Unidades Selladas Tipo Tensora Reforzadas **MT**

Medium Duty Take Up Units

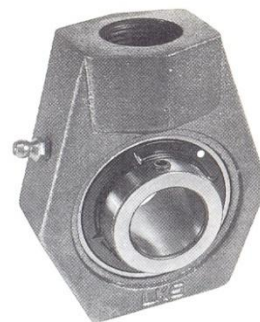
DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT No.	A	C	D	F	G	H	I	J	K	M	T	Peso Weight Kg. Lbs.
mm	Pulg. Inches		mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	
22.2	7/8	MT-14												
23.8	15/16	MT-15	88.1	111.1	57.2	22.2	55.6	102.4	36.5	15.9	15.9	22.2	13.5	1.53
25.4	1	MT-16	3 15/32	4 3/8	2 1/4	7/8	2 3/16	4 1/32	1 7/16	5/8	5/8	7/8	17/32	3.37
28.6	1 1/8	MT-18	88.1	127.0	68.3	22.2	57.2	102.4	36.5	15.9	17.5	25.4	13.5	1.98
30.2	1 3/16	MT-19	3 15/32	5	2 11/16	7/8	2 1/4	4 1/32	1 7/16	5/8	11/16	1	17/32	4.36
33.3	1 5/16	MT-21												
34.9	1 3/8	MT-22	101.6	144.5	87.3	28.6	73.0	115.9	48.4	17.5	19.1	30.2	17.5	3.21
36.5	1 7/16	MT-23	4	5 11/16	3 7/16	1 1/8	2 7/8	4 9/16	1 29/32	11/16	3/4	1 3/16	11.16	7.07
38.1	1 1/2	MT-24	101.6	146.8	87.3	28.6	73.0	119.1	49.2	19.1	19.1	30.2	17.5	3.15
			4	5 25/32	3 7/16	1 1/8	2 7/8	4 11/16	1 15/16	3/4	3/4	1 3/16	11/16	6.94
41.3	1 5/8	MT-26												
42.9	1 11/16	MT-27	103.2	150.8	88.9	28.6	73.0	119.1	49.2	19.1	19.1	32.5	17.5	3.20
44.5	1 3/4	MT-28	4 1/16	5 15/16	3 1/2	1 1/8	2 7/8	4 11/16	1 15/16	3/4	3/4	1 9/32	11/16	7.05
49.2	1 15/16	MT-31	130.2	171.5	95.2	34.9	92.1	147.6	63.5	25.4	22.2	33.3	27.0	4.83
			5 1/8	6 3/4	3 3/4	1 3/8	3 5/8	5 13/16	2 1/2	1	7/8	1 5/16	1 1/16	10.64
55.6	2 3/16	MT-35	130.2	196.0	107.9	34.9	90.5	147.6	63.5	30.2	25.4	39.7	27.0	5.71
			5 1/8	7 23/32	4 3/4	1 3/8	3 9/16	5 13/16	2 1/2	1 3/16	1	1 9/16	1 1/16	12.58
60.3	2 3/8	MT-38	150.8	222.3	123.8	41.3	101.6	168.3	69.9	31.8	25.4	39.7	27.0	7.61
61.9	2 7/16	MT-39	5 15/16	8 3/4	4 7/8	1 5/8	4	6 5/8	2 3/4	1 1/4	1	1 9/16	1 1/16	16.77

Ver capacidades de carga en la página 4

See load ratings on page 4

NC Unidades Selladas Tipo Colgante para Servicio Normal

Normal Duty Hanger Bearing Units



DIAMETRO DE LA FLECHA SHAFT DIAM		Unidad UNIT	A	C	ROSCA PIPE TAP NPSM	E	F	H	K	M	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	Kg. Lbs.
27.0	1 1/16	NC-17	63.5	85.7	19.1	44.4	19.1	104.8	15.9	22.2	1.14
28.6	1 1/8	NC-18	2 1/2	3 3/8	3/4	1 3/4	3/4	4 1/8	5/8	7/8	2.51
30.2	1 3/16	NC-19									
31.8	1 1/4	NC-20	69.9	100	19.1	53.2	19.1	120.7	17.5	25.4	1.64
33.3	1 5/16	NC-21	2 3/4	3 15/16	3/4	2 3/32	3/4	4 3/4	11/16	1	3.61
34.9	1 3/8	NC-22									
36.5	1 7/16	NC-23									
38.1	1 1/2	NC-24	73.0	106.4	19.1	58.7	19.1	127	19.1	30.2	2.12
39.7	1 9/16	NC-25	2 7/8	4 3/16	3/4	2 5/16	3/4	5	3/4	1 3/16	4.67
47.6	1 7/8	NC-30	82.6	117.5	25.4	56.3	20.6	141.3	19.1	32.5	2.40
49.2	1 15/16	NC-31	3 1/4	4 5/8	1	2 7/32	13/16	5 9/16	3/4	1 9/32	5.28
50.8	2	NC-32	84.9	127	31.8	69.9	22.2	147.6	22.2	33.3	2.87
54.0	2 1/8	NC-34	3 11/32	5	1 1/4	2 3/4	7/8	5 13/16	7/8	1 5/16	6.32
55.6	2 3/16	NC-35									
57.2	2 1/4	NC-36	101.6	150.8	31.8	69.9	28.6	177.8	25.4	39.7	4.49
60.3	2 3/8	NC-38	4	5 15/16	1 1/4	2 3/4	1 1/8	7	1	1 9/16	9.89
61.9	2 7/16	NC-39									

Ver capacidades de carga en la página 3
See load ratings on page 3

SELECCION DEL DIAMETRO DE LA FLECHA

Conocidas la potencia del motor y las r.p.m. de la flecha, se puede calcular el diámetro mínimo (d) de ésta por medio de cualquiera de las siguientes fórmulas, en función al esfuerzo cortante unitario (Ss) cuyos valores para casos comunes se dan en la tabla de la siguiente página.

Knowing the motor Horse Power and the shaft RPM, the shaft minimum diam. (d) can be calculated with any of the following formulas according to the unit cutting stress (Ss) given, for the most common cases, in chart on next page

$$d = \sqrt[3]{\frac{370 \times 10^6 \times \text{HP}}{\text{rpm} \times \text{Ss}}}$$

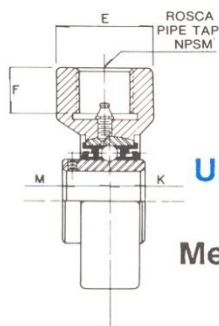
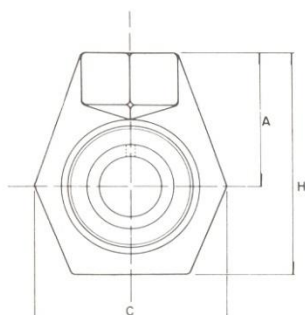
d en mm
Ss en Kg/cm²
d in mm
Ss in Kg/cm²

$$d = \sqrt[3]{\frac{321 \times 10^3 \times \text{HP}}{\text{rpm} \times \text{Ss}}}$$

d en pulg.
Ss en lb/pulg²
d in inches
Ss in Lbs./sq inches

NOTA: Es indispensable verificar el diámetro de la flecha así obtenido, con el necesario por flexión de la misma debido a la carga y a la distancia entre apoyos (chumaceras) y escoger el mayor.

NOTE: It is necessary to verify the shaft diameter obtained by this method with the one necessary for load capacity and distance between units and choose the highest value.



Unidades Selladas Tipo Colgante **MC** Reforzadas Medium Duty Hanger Bearing Units

DIAMETRO DE LA FLECHA SHAFT DIAM.		Unidad UNIT	A	C	ROSCA PIPE TAP NPSM	E	F	H	K	M	Peso Weight
mm	Pulg. Inches	No.	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	Kg. Lbs.
22.2	7/8	MC-14	63.5	85.7	19.1	44.4	19.1	104.8	15.9	22.2	1.19
23.8	15/16	MC-15	2 1/2	3 3/8	3/4	1 3/4	3/4	4 1/8	5/8	7/8	2.62
25.4	1	MC-16									
28.6	1 1/8	MC-18	69.9	100.0	19.1	53.2	19.1	120.7	17.5	25.4	1.82
30.2	1 3/16	MC-19	2 3/4	3 15/16	3/4	2 3/32	3/4	4 3/4	11/16	1	4.01
33.3	1 5/16	MC-21	73.0	106.4	19.1	58.7	19.1	127.0	19.1	30.2	2.26
34.9	1 3/8	MC-22	2 7/8	4 3/16	3/4	2 5/16	3/4	5	3/4	1 3/16	4.98
36.5	1 7/16	MC-23									
41.3	1 5/8	MC-26	82.6	117.5	25.4	56.3	20.6	141.3	19.1	32.5	2.62
42.9	1 11/16	MC-27	3 1/4	4 5/8	1	2 7/32	13/16	5 9/16	3/4	1 9/32	5.77
44.5	1 3/4	MC-28									
49.2	1 15/16	MC-31	84.9	127.0	31.8	69.9	22.2	147.6	22.2	33.3	3.11
			3 11/32	5	1 1/4	2 3/4	7/8	5 13/16	7/8	1 5/16	6.85
55.6	2 3/16	MC-35	101.6	150.8	31.8	69.9	28.6	177.8	25.4	39.7	4.82
			4	5 15/16	1 1/4	2 3/4	1 1/8	7	1	1 9/16	10.62

Ver capacidades de carga en la pagina 4

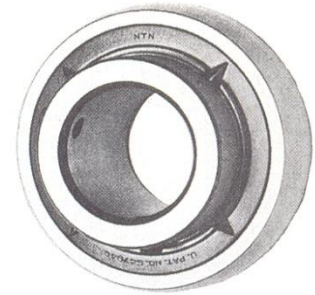
See load ratings on page 4

ESFUERZO CORTANTE UNITARIO MAXIMO EN LA FLECHA MAXIMUN SHAFT UNIT CUTTING STRESS

MATERIAL	CONDICION	Kg/cm ² Kg/cm ²	Lb/pulg. ² Lb/Sq Inches
SAE-1022	Flecha de acero rolando en caliente.	700	10,000
SAE-1022	Hot Rolled Steel shaft	700	10,000
SAE-1022	Flecha de acero estirado en frio	840	12,000
SAE-1022	Cold Rolled Steel Shaft	840	12,000
SAE-1035 a 1045	Flecha de acero estirado en frio	1,400	20,000
SAE-1035 to 1045	Cold Rolled Steel Shaft	1,400	20,000
SAE-1035 a 1045	Endurecido	2,100	30,000
SAE-1035 to 1045	Hardened	2,100	30,000
Aleaciones de acero	Endurecidas	2,800	40,000
Alloy Steel	Hardened	2,800	40,000

UC-200 Repuestos de Unidades Selladas para Servicio Normal

Normal Duty Inserts



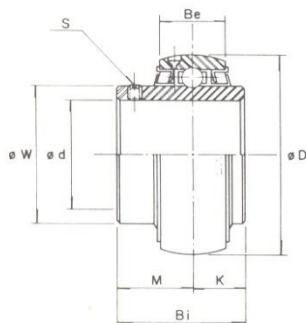
RODAMIENTO INSERT N°	d		Be	Bi	D	K	M	S	W	CAPACIDAD BASICA BASIC CAPACITY		PESO Weight Kg	
	mm	Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	Pulg. Inches	mm Pulg. Inches	DINAMICA DYNAMIC Kgf	ESTATICA STATIC Kgf		
UC 201-8	12.7	1/2										0.21	
UC 202-9	14.3	9/16										0.20	
UC 202-10	15.9	5/8										0.19	
UC 203-11	17.5	11/16	0.709	1.220	1.850	0.500	0.720	3/16"	29.6	1.165	1007	639	0.18
UC 204-12	19.1	3/4	0.709	1.220	1.850	0.500	0.720	3/16"	29.6	1.165	1007	639	0.18
UC 205-14	22.2	7/8											0.23
UC 205-15	23.8	15/16											0.21
UC 205-16	25.4	1	0.709	1.338	2.047	0.563	0.776	3/16"	33.9	1.335	1102	730	0.20
UC 206-17	27.0	1 1/16											0.37
UC 206-18	28.6	1 1/8											0.35
UC 206-19	30.1	1 3/16	0.787	1.500	2.440	0.626	0.874	1/4"	40.8	1.606	1519	1052	0.33
UC 207-20	31.8	1 1/4											0.55
UC 207-21	33.3	1 5/16											0.52
UC 207-22	34.9	1 3/8											0.49
UC 207-23	36.5	1 7/16	0.866	1.689	2.834	0.689	1.000	1/4"	46.8	1.843	2018	1428	0.46
UC 208-24	38.1	1 1/2											0.69
UC 208-25	39.7	1 9/16	0.945	1.937	3.149	0.748	1.189	5/16"	53	2.087	2290	1655	0.66
UC 209-26	41.3	1 5/8											0.80
UC 209-27	42.8	1 11/16											0.76
UC 209-28	44.5	1 3/4	0.945	1.937	3.346	0.748	1.189	5/16"	57.5	2.264	2562	1882	0.71
UC 210-30	47.6	1 7/8											0.87
UC 210-31	49.2	1 15/16	0.984	2.031	3.543	0.748	1.283	5/16"	62.4	2.457	2744	2109	0.82
UC 211-32	50.8	2											1.23
UC 211-34	54.0	2 1/8											1.11
UC 211-35	55.5	2 3/16	1.063	2.189	3.937	0.874	1.315	5/16"	69	2.717	3401	2653	1.06
UC 212-36	57.2	2 1/4											1.66
UC 212-38	60.3	2 3/8											1.51
UC 212-39	61.9	2 7/16	1.181	2.563	4.330	1.000	1.563	3/8"	77	3.031	4105	3288	1.44
UC 213-40	63.5	2 1/2	1.260	2.563	4.724	1.000	1.563	3/8"	82.5	3.248	4490	3628	1.93

NOTA: Estas dimensiones corresponden a rodamientos marca NTN. Otras marcas disponibles NBR, SKF, y RHP.

LKS se reserva el derecho de surtir sus chumaceras con cualquiera de ellas.

NOTE: These dimensions are of NTN Bearings. Other available brands are NBR, SKF, RHP.

LKS has the right to supply the mounted bearing units with any of these brands.



Repuestos de Unidades Selladas UC X00

Medium Duty Inserts

RODAMIENTO INSERT N°	d		Be	Bi	D	K	M	S	W	CAPACIDAD BASICA BASIC CAPACITY		PESO Weight Kg
	mm	Pulg.	mm Pulg.	mm Pulg.	mm Pulg.	mm Pulg.	mm Pulg.	Pulg.	mm Pulg.	DINAMICA DYNAMIC Kgf	ESTATICA STATIC Kgf	
UC X05-14	22.2	7/8										0.42
UC X05-15	23.8	15/16	20	38.1	62	15.9	22.2	1/4 28	40.8	1519	1052	0.40
UC X05-16	25.4	1	0.787	1.500	2.441	0.626	0.874	UNF	1.606			0.38
UC X06-18	28.6	1 1/8	22	43	72	17.5	25.4	5/16 24	46.8	2018	1428	0.70
UC X06-19	30.1	1 3/16	0.866	1.689	2.835	0.689	1.000	UNF	1.843			0.68
UC X07-21	33.3	1 5/16	24	49.2	80	19	30.2	5/16 24	53	2290	1655	0.85
UC X07-22	34.9	1 3/8	0.945	1.937	3.149	0.748	1.189	UNF	2.087			0.82
UC X07-23	36.5	1 7/16										0.79
UC X08-24	38.1	1 1/2	24	49.2	85	19	30.2	5/16 24	57.5	2562	1882	0.98
			0.945	1.937	3.346	0.748	1.189	UNF	2.264			
UC X09-26	41.3	1 5/8	25	51.6	90	19	32.6	3/8 24	62.4	2744	2109	1.10
UC X09-27	42.8	1 11/16	0.984	2.031	3.543	0.748	1.283	UNF	2.457			1.06
UC X09-28	44.5	1 3/4										1.02
UC X10-31	49.2	1 15/16	27	55.6	100	22.2	33.4	3/8 24	69	3401	2653	1.38
			1.063	2.189	3.937	0.874	1.315	UNF	2.717			
UC X11-35	55.5	2 3/16	30	65.1	110	25.4	39.7	3/8 24	77	4104	3288	1.87
			1.181	2.563	4.330	1.000	1.563	UNF	3.031			
UC X12-38	60.3	2 3/8	32	65.1	120	25.4	39.7	3/8 24	82.5	4490	3628	2.25
UC X12-39	61.9	2 7/16	1.260	2.563	4.724	1.000	1.563	UNF	3.248			2.18

NOTA: Estas dimensiones corresponden a rodamientos marca NTN. Otras marcas disponibles NBR, SKF, RHP.

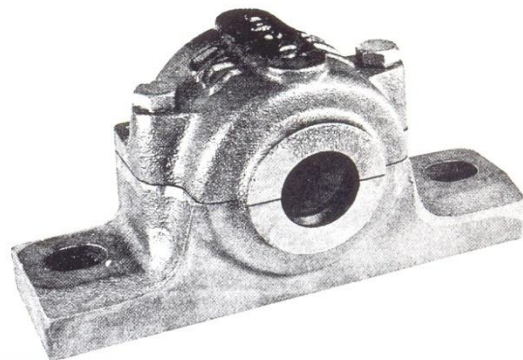
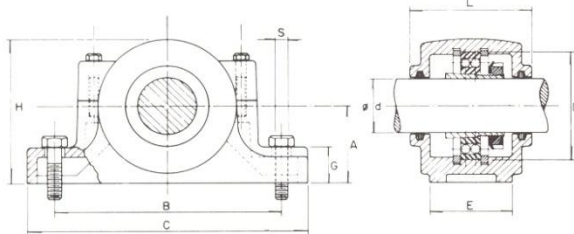
LKS se reserva el derecho de surtir sus chumaceras con cualquiera de ellas.

NOTE: These dimensions are of NTN BEARINGS. Other available brands are NBR, SKF, RHP.

LKS has the right to supply the mounted bearing units with any of these brands.

SN-500 Unidad Bipartida

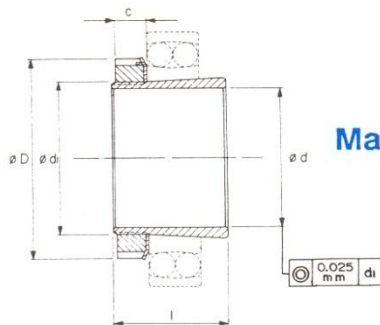
Plummer Blocks



CAJA SOLA Housing No.	UNIDAD COMPLETA COMPLETE UNIT No.	RODA—MIENTO BEARING No.	MANGUITO DE FIJACION ADAPTER MOUNTED No.	ANILLOS DE FIJACION LOCATING RINGS		DIMENSIONES DIMENTIONS								CAPACIDAD DE CARGA LOAD RATINGS		PESO CAJA SOLA HOUSING WEIGHT Kg.
						A	B	C	E	G	H	L	S	DINAMICA DYNAMIC C Kg.	ESTATICA STATIC Co Kg.	
				mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	DINAMICA DYNAMIC C Kg.	ESTATICA STATIC Co Kg.			
506	SN-1506 SN-2506 SN-22506	1206 K 2206 K 22206 K	306	6/7 6/10 6/10	2 1 1	50 1 31/32	150 5 29/32	185 7 9/32	54 2 1/8	22.2 7/8	90 3 35/64	77 3 1/32	M-12 1/2	1230 1210 4250	590 580 3250	2.18 4.80
507	SN-1507 SN-2507 SN-22507	1207 K 2207 K 22207 K	307	7/8 7/10 7/10	2 1 1	50 1 31/32	150 5 29/32	188 7 13/32	56 2 13/64	22.2 7/8	95 3 3/4	79 3 7/64	M-12 1/2	1250 1700 5550	675 840 4400	2.09 4.60
508	SN-1508 SN-2508 SN-22508	1208 K 2208 K 22208 K	308	8/7.5 8/10 8/10	2 1 1	60 2 23/64	170 6 11/16	205 8 1/16	59 2 21/64	25 63/64	110 4 21/64	85 3 11/32	M-12 1/2	1510 1770 6550	870 965 5250	2.84 6.25
509	SN-1509 SN-2509 SN-22509	1209 K 2209 K 22209 K	309	9/6 9/8 9/8	2 1 1	60 2 23/64	170 6 11/16	208 8 3/16	62 2 7/16	25 63/64	110 4 21/64	85 3 11/32	M-12 1/2	1730 1830 6850	975 1090 5650	3.17 6.98
510	SN-1510 SN-2510 SN-22510	1210 K 2210 K 22210 K	310	10/6.5 10/10 10/10	2 1 1	60 2 23/64	170 6 11/16	208 8 3/16	62 2 7/16	25 63/64	115 4 17/32	90 3 35/64	M-12 1/2	1790 1840 7150	1100 1150 6050	3.72 8.19
511	SN-1511 SN-2511 SN-22511	1211 K 2211 K 22211 K	311	11/6 11/8 11/8	2 1 1	70 2 3/4	210 8 17/64	258 10 5/32	73 2 7/8	30.1 1 3/16	132 5 13/64	95 3 3/4	M-16 5/8	2110 2100 8850	1360 1350 7500	5.38 11.85
512	SN-1512 SN-2512 SN-22512	1212 K 2212 K 22212 K	312	12/8 12/10 12/10	2 1 1	70 2 3/4	210 8 17/64	260 10 1/4	73 2 7/8	30.1 1 3/16	134 5 9/32	105 4 1/8	M-16 5/8	2390 2690 10800	1580 1700 9400	5.72 12.60
513	SN-1513 SN-2513 SN-22513	1213 K 2213 K 22213 K	313	13/10 13/12 13/12	2 1 1	80 3 5/32	230 9 1/16	274 10 25/32	79 3 7/64	30.1 1 3/16	151 5 15/16	110 4 21/64	M-16 5/8	2430 3450 12700	1750 2190 11300	5.57 12.27
515	SN-1515 SN-2515 SN-22515	1215 K 2215 K 22215 K	315	15/8 15/10 15/10	2 1 1	80 3 5/32	230 9 1/16	278 10 15/16	82 3 15/64	30.1 1 3/16	153 6 1/64	115 4 17/32	M-16 5/8	3050 3500 13700	2180 2440 12700	8.02 17.67
516	SN-1516 SN-2516 SN-22516	1216 K 2216 K 22216 K	316	16/8.5 16/10 16/10	2 1 1	95 3 3/4	260 10 1/4	314 12 23/64	93 3 21/32	32.1 1 17/64	176 6 15/16	120 4 23/32	M-20 3/4	3100 3850 15700	2400 2740 14700	9.21 20.29
517	SN-1517 SN-2517 SN-22517	1217 K 2217 K 22217 K	317	17/9 17/10 17/10	2 1 1	95 3 3/4	260 10 1/4	320 12 19/32	93 3 21/32	32.1 1 17/64	186 7 21/64	125 4 59/64	M-20 3/4	3850 4600 18200	2900 3200 17000	10.97 24.17
518	SN-1518 SN-2518 SN-22518	1218 K 2218 K 22218 K	318	18/16.2 18/11.2 18/11.2	2 2 2	100 3 15/16	290 11 27/64	345 13 37/64	98 3 55/64	32.9 1 19/64	190 7 31/64	145 5 45/64	M-20 3/4	4450 5550 21300	3250 3850 20400	12.33 27.17
520	SN-1520 SN-2520 SN-22520	1220 K 2220 K 22220 K	320	20/18.1 20/12.1 20/12.1	2 2 2	112 4 13/32	320 12 19/32	380 14 31/32	110 4 21/64	40 1 37/64	215 8 15/32	160 6 19/64	M-22 7/8	5450 7450 28700	4100 5100 28300	17.20 37.90
522	SN-1522 SN-2522 SN-22522	1222 K 2222 K 22222 K	322	22/21 22/13.5 22/13.5	2 2 2	125 4 59/64	350 13 25/32	410 16 9/64	120 4 23/32	45 1 49/64	240 9 29/64	175 6 57/64	M-22 7/8	6300 9050 37500	4900 6350 38000	21.95 48.37

Las capacidades de carga indicadas corresponden a rodamientos NTN, otras marcas disponibles ZKL.
LKS se reserva el derecho de surtir sus chumaceras con cualquiera de ellos.
Para seleccionar el Manguito de fijación ver la Pagina 18.

The load ratings are for NTN Bearings; other available brand, ZKL.
LKS has the right to supply the plummer blocks with any of these brands.
To select the adapter mounted, please see page 18.



Manguito de Montaje Adapter Mounted

CAJA HOUSING	MANGUITO ADAPTER MOUNTED		TUERCA ARANDELA	DIMENSIONES DIMINTIONS						PESO* Weight†
	No.	TIPO TYPE	No.	LOCK NUTS LOCK WASHERS	d		C	D	di	l
					mm	Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches	mm Pulg. Inches
SN-506	HS HA HE	306	KM 6 MB 06	22.2 23.8 25.4	7/8 15/16 1	8 5/16	45 1 25/32	30 X 18 UN 1 3/16 X 18 UN	31 1 7/32	0.108 0.238
SN 507	HS HA	307	KM 7 MB 07	28.6 30.2	1 1/8 1 3/16	9 23/64	52 2 3/64	35 X 18 UN 1 3/8 X 18 UN	35 1 3/8	0.121 0.266
SN-508	HS HA HE	308	KM 8 MB 08	34.9 33.3 31.8	1 3/8 1 5/16 1 1/4	10 25/64	58 2 9/32	40 X 18 UN 1 37/64 X 18 UN	36 1 27/64	0.213 0.469
SN-509	HA HE	309	KM 9 MB 09	36.5 38.1	1 7/16 1 1/2	11 7/16	65 2 9/16	45 X 18 UN 1 25/32 X 18 UN	39 1 17/32	0.285 0.628
SN-510	HS HA HE	310	KM 10 MB 10	41.3 42.9 44.5	1 5/8 1 11/16 1 3/4	12 15/32	70 2 49/64	55 X 18 UN 1 31/32 X 18 UN	42 1 21/32	0.313 0.689
SN-511	HS HA HE	311	KM 11 MB 11	47.6 49.2 50.8	1 7/8 1 15/16 2	12 15/32	75 2 61/64	50 X 18 UN 2 11/64 X 18 UN	45 1 25/32	0.371 0.817
SN-512	HS	312	KM 12 MB 12	54.0	2 1/8	13 33/64	80 3 5/32	60 X 18 UN 2 23/64 X 18 UN	47 1 55/64	0.400 0.881
SN-513	HS HA HE	313	KM 13 MB 13	60.3 55.6 57.2	2 3/8 2 3/16 2 1/4	14 9/16	85 3 11/32	65 X 18 UN 2 9/16 X 18 UN	50 1 31/32	0.480 1.057
SN-515	HA HE	315	KM 15 MB 15	61.9 63.5	2 7/16 2 1/2	15 19/32	98 3 55/64	75 X 18 UN 2 61/64 X 18 UN	55 2 11/64	0.935 2.060
SN-516	HA HE	316	KM 16 MB 16	68.3 69.9	2 11/16 2 3/4	17 43/64	105 4 9/64	80 X 12 UN 3 5/32 X 12 UN	59 2 21/64	1.020 2.248
SN-517	HA HE	317	KM 17 MB 17	74.6 76.2	2 15/16 3	18 23/32	110 4 21/64	85 X 12 UN 3 11/32 X 12 UN	63 2 31/64	1.164 2.565
SN-518	HA HE	318	KM 18 MB 18	81.0 82.6	3 3/16 3 1/4	18 23/32	120 4 23/32	90 X 12 UN 3 35/64 X 12 UN	65 2 9/16	1.219 2.686
SN-520	HA HE	320	KM 20 MB 20	87.3 88.9	3 7/16 3 1/2	20 51/64	130 5 1/8	100 X 12 UN 3 15/16 X 12 UN	71 2 51/64	1.764 3.887
SN-522	HA HE	322	KM 22 MB 22	100.0 101.6	3 15/16 4	21 53/64	145 5 45/64	110 X 12 UN 4 21/64 X 12 UN	77 3 1/32	1.766 3.892

Tolerancia de concentricidad 25 micras.

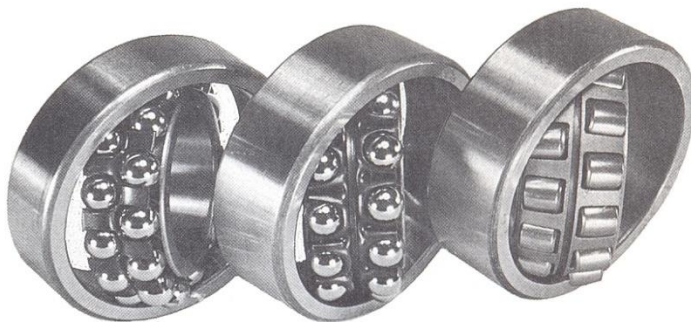
Concentricity Tolerance 25 microns.

* En el peso se incluye el manguito de montaje, tuerca y el dispositivo de seguridad (arandela).
En arandelas también trabajamos la MB-05.

* The weight includes adapter mounted, lock nut and lock washer.
In lock washers we have MB-05 too.

Repuestos para Unidades Tipo SN

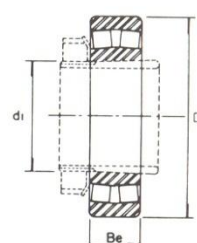
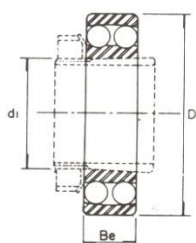
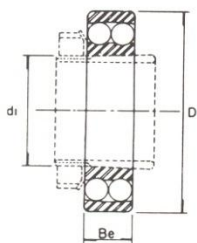
Bearings for Plummer Blocks



REFERENCIA REFERENCE	SERIE PARA TRABAJO NORMAL 1200 K SERIES FOR NORMAL DUTY			SERIE PARA TRABAJO MEDIO 2200 K SERIES FOR MEDIUM DUTY			SERIE PARA TRABAJO PESADO 22200 K SERIES FOR HEAVY DUTY		
	d _i	Be	D	d _i	Be	D	d _i	Be	D
06	30	16	62	30	20	62	30	20	62
07	35	17	72	35	23	72	35	23	72
08	40	18	80	40	23	80	40	23	80
09	45	19	85	45	23	85	45	23	85
10	50	20	90	50	23	90	50	23	90
11	55	21	100	55	25	100	55	25	100
12	60	22	110	60	28	110	60	28	110
13	65	23	120	65	31	120	65	31	120
15	75	25	130	75	31	130	75	31	130
16	80	26	140	80	33	140	80	33	140
17	85	28	150	85	36	150	85	36	150
18	90	30	160	90	40	160	90	40	160
20	100	34	180	100	46	180	100	46	180
22	110	38	200	110	53	200	110	53	200

Para capacidades de carga, referirse a las chumaceras completas Tipo SN Página 17

For load ratings see plummer blocks on page 17



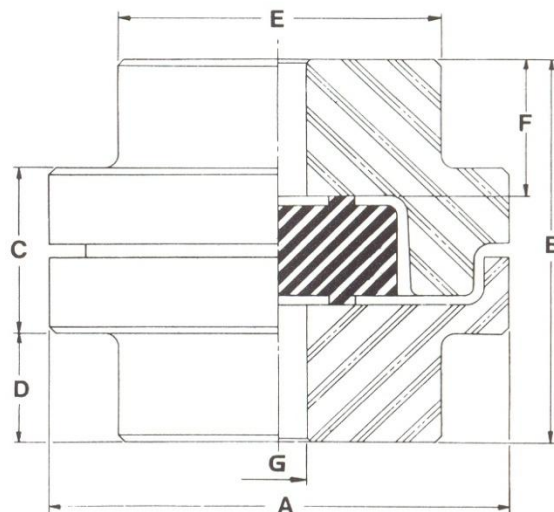
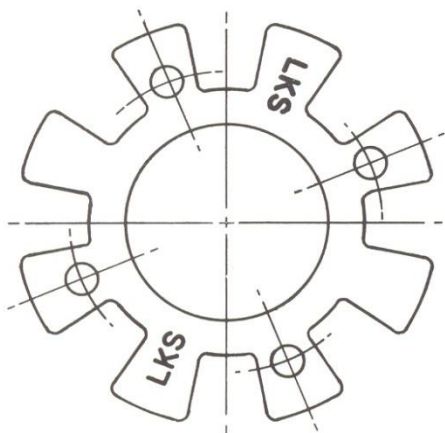


Coples Estrella

Flexible Coupling

COPLER COUPLING	BARRENO BORE G		DIMENSIONES DIMENSIONS								R.P.M. MAX.	DESALINEAMIENTO PERMISIBLE MISSALIGNMENT		PESO APROX. APROX WEIGHT	
	MIN.	MAX.	A	B	C	D	E	F	H	ANGULAR		LINEAL	kg.	• lb	
CE-710	7/16	1 1/8	3 1/8	3 3/8	1 1/2	15/16	2 1/4	1 1/4	7/8	12400	1°	0.025	1.58/3.48		
CE-720	5/8	1 5/8	4 1/32	3 5/8	1 3/4	15/16	2 7/8	1 1/4	1 1/8	9700	1°	0.025	3.73/8.22		
CE-730	5/8	1 1/8	4	4 5/8	2 3/8	1 1/8	2 3/4	1 1/2	1 5/8	9700	1°	0.025	2.79/6.14		
CE-740	3/4	1 7/8	4	4 5/8	2 3/8	1 1/8	3 1/4	1 1/2	1 5/8	9600	1°	0.025	3.17/6.98		
CE-750	15/16	2 1/8	5 5/16	5 13/32	2 17/32	1 7/16	3 5/8	1 7/8	2 1/32	7300	1°	0.025	6.76/14.89		
CE-760	15/16	2 5/8	6 5/8	6 5/32	2 25/32	1 11/16	4 1/2	2 1/4	2 1/4	6300	30'	0.025	12.76/28.12		

* INCLUYE EL ELEMENTO ELASTICO.
* FLEXIBLE ELEMENT INCLUDED.



**TABLA DE EQUIVALENCIAS
COMPARISON TABLE**

LKS	DODGE	SKF	SEAL MASTER	FAFNIR	NTN	McGILL	LINK BELT	HUB CITY	B R O W N I N G	
									VALULINE	MASTERLINE
NP	SC	SY	NP	RAS	UCP2	C-25	P3U200N	PB251	VPS-200	MPS-200
MP	SCM	SYM	MP			C-35		PB350	VPS-300	MPS-300
NF	SC4	FY	SF	RCJ	UCF2	FC4-25	F3U200N	FB250	VF4S-200	MF4S-200
MF	SCM4	FYM	MSF	RCJO		FC4-35		FB350	VF4S-300	MF4S-300
NFD	SC2	FYTB	SFT	RCJT	UCFL2	FC2-25	FX3U200N	FB260	VF2S-200	MF2S-200
MFD	SCM2	FYTBM	MSFT			FC2-35			VF2S-300	MF2S-300
NT	SC TENSORA RANURA ANCHA	TU	ST	RTU		TC-25	TH3U200N	WSTU250		
MT	SCM TENSORA RANURA ANCHA	TUM	MST			TC-35				
NC	SC COLGANTE		SCHB	RHC		MCHB				
MC						MEHB				

LUBRICACION Y MANTENIMIENTO

Todas las chumaceras LKS se encuentran prelubricadas de fábrica con grasa cuidadosamente seleccionada por su estabilidad física y química.

La grasa en el rodamiento previene el desgaste excesivo de la pista y las bolas, evita la corrosión y ayuda en la disipación térmica. Es importante usar una grasa que no pierda su consistencia aún bajo condiciones severas, por ejemplo: alta velocidad, temperatura y humedad. Se recomienda el uso de alguna a base de litio, la cual conserva sus propiedades en altas temperaturas, además de que contribuye a evitar la oxidación.

La grasa debe inyectarse estando el rodamiento en rotación lenta.

En la página siguiente sugerimos la periodicidad de lubricación.

El sello de Neopreno reforzado interiormente con una ROLDANA de acero, en combinación con una tapa protectora impiden la penetración de polvo y otras impurezas que disminuyen la vida del rodamiento, al mismo tiempo, una cámara de grasa asegura lubricación constante. Este sello permite alcanzar mayores velocidades sin disminuir la eficiencia.

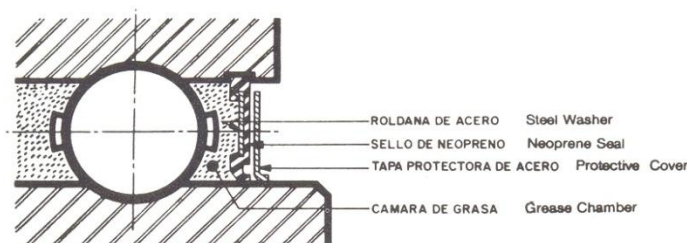
LUBRICATION AND MAINTENANCE

All LKS mounted bearing units are prelubricated with grease carefully selected for its physical and chemical stability.

The grease prevents excessive wear of the balls and the ball path, prevents corrosion and helps with thermic dissipation. It's important to use a grease that even under severe conditions like high speed, temperature, or high humidity doesn't lose its degree of density. It is recommended to use a lithium based grease that preserves its properties in high temperatures and also prevents corrosion.

The grease must be injected while the bearing is in slow rotation. We suggest to relubricate according to the table in the next page.

The neoprene seal internally strengthened with an steel washer in combination with a protective cover prevent dust penetration and other impurities that reduce bearing life, at the same time a grease chamber provides constant lubrication. These seal allow higher speed with same efficiency.



Intervalos de lubricación calculados sobre un turno de trabajo de 8 Hr./día lubrication Interval calculated on an 8 Hrs. Shift

VELOCIDAD SPEED RPM	TEMPERATURA TEMPERATURE ° C (° F)	CONDICIONES AMBIENTALES SURROUNDINGS	INTERVALO DE LUBRICACION LUBRICATION INTERVAL	
0 - 100	0° - 50° (122°)	Limpio Clean	3 a 6 meses	3 to 6 months
100 - 500	0° - 65° (148°)	Limpio Clean	1 a 3 meses	1 to 3 months
500 - 1000	0° - 100° (212°)	Limpio Clean	2 semanas a 1 mes	2 weeks to 1 month
1000 - 1500	0° - 100°	Limpio Clean	1 a 2 semanas	1 to 2 weeks
0 - 1500	0° - 65°	Sucio Dirty	1 semana	1 week
0 - 1500	0° - 100°	Sucio Dirty	Diario a 1 semana	Daily to 1 week
Más de 1500 Up To 1500	0° - 100° 0° - 100°	Muy sucio Very Dirty Muy sucio Very Dirty	Diario Diario	Daily Daily

TOLERANCIAS PARA LAS FLECHAS SHAFT TOLERANCES

Para funcionamientos normales las flechas deben maquinarse de acuerdo a las tolerancias h7 (normas iso ó asa)

For normal function, shaft must have h7 tolerance.

Para cargas ligeras y velocidades lentas es suficiente usar la tolerancia h8

For light Load and slow speed enough to use h8 tolerance

Para disposiciones muy sencillas pueden utilizarse tolerancias de h9 a h11

Used in very simple devices, h9 to h11 tolerances.

Para fuertes cargas o elevadas revoluciones deberán utilizarse tolerancias h6

For heavy load or high speed, tolerance must be h6.

Ver Tabla de Tolerancias

See next chart

DIAMETRO DE FLECHA SHAFT DIAMETER		TOLERANCIAS TOLERANCES					
mm.	Pulg. Inches	h6	h7	h8	h9	h10	h11
12.7 - 15.8	1/2 - 5/8	0	0	0	0	0	0
		- 11	- 18	- 27	- 43	- 70	- 110
19.1 - 30.1	3/4 - 13/16	0	0	0	0	0	0
		- 13	- 21	- 33	- 52	- 84	- 130
31.7 - 49.2	1 1/4 - 1 15/16	0	0	0	0	0	0
		- 16	- 25	- 39	- 62	- 100	- 160
50.8 - 76.2	2-3	0	0	0	0	0	0
		- 19	- 30	- 46	- 74	- 120	- 190
81.0 - 101.6	3 3/16 - 4	0	0	0	0	0	0
		- 22	- 35	- 54	- 87	- 140	- 220

Valores en micras. 1 micra = 0.001 mm.

Values in microns. 1 micron = 0.001 mm

MATRIZ

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