MINISTERIO DE DEFENSA NACIONAL COMANDO GENERAL DE LAS FUERZAS MILITARES EJÉRCITO NACIONAL BATALLÓN DE MANTENIMIENTO DE AVIACIÓN No. 1 "AVIONES" "SV. OSCAR ALEXANDER SANABRIA DÍAZ"	**INFORME DE SUPERVISIÓN FINAL**
	FECHA DEL INFORME: 19 de septiembre de 2023
CONTRATO Y/O ACUERDO No. 192-CENACAVIACION-2022	FECHA FIRMA CONTRATO: 26 de octubre de 2022

1. **OBJETO DEL CONTRATO**: **ADQUISICIÓN** DE REPUESTOS AERONÁUTICOS SERVICIOS DE MANTENIMIENTO Y REPARABLES PARA LAS AERONAVES CASA 212 SERIES DE LA AVIACIÓN DEL EJERCITO NACIONAL" CELEBRADO ENTRE EL MDN-EJERCITO NACIONAL - CENAC DE AVIACIÓN Y LA EMPRESA STAIR CARGO INC.

1.1. CONTRATOS ADICIONALES Y/O MODIFICATORIOS:

TIPO	FECHA	OBJETO
-	-	-

1.2. RELACIÓN DE BIENES Y/O SERVICIOS OBJETO DEL CONTRATO

ÍTEM	Código UNSPSC	DESCRIPCIÓN	PARTE NUMERO	UNIDAD DE MEDIDA	CANT	PRECIO UNITARIO EN DÓLARES AMERICANOS	PRECIO TOTAL EN DÓLARES AMERICANOS
Lote No.7							
1	25201500	EJE	212-42000-01-1	EA	1	4140,00	4140,00
2	25201500	RING MLG	AN123992	EA	3	6,00	18,00
3	25201500	CONE AND ROLLERS,TAPERED ROLLER BEARING	L305649	EA	1	105,00	105,00
4	25201500	RODAMIENTO	L507949/2- 629	EA	12	298,00	3576,00
5	25201500	RING MGL	MS28775-341	EA	4	1,50	6,00
VALOR TOTAL LOTE No.7							**7.845,00**

2. VALOR DEL CONTRATO:

VALOR TOTAL: SIETE MIL OCHOCIENTOS CUARENTA Y CINCO DÓLARES AMERICANOS (USD$ 7.845,00)

VIGENCIA 2022: SIETE MIL OCHOCIENTOS CUARENTA Y CINCO DÓLARES AMERICANOS (USD$ 7.845,00)

2.1. DISCRIMINACIÓN DEL VALOR (USD)

TIPO DE CONTRATO	VALOR EN (USD)	VALOR EN USD GASTOS DE NACIONALIZACIÓN	VALOR TOTAL (USD)
PRINCIPAL	**USD 7.845,00**	----------	**USD 7.845,00**
ADICIÓN Y/O REDUCCIÓN	OMITIDO		OMITIDO
VALOR TOTAL	**USD 7.845,00**	----------	**USD 7.845,00**

2.2. SITUACIÓN FORMA DE PAGO POR VIGENCIAS

EN DÓLARES

CONTRATADO			PAGADO					
TIPO DE PAGO	VIGENCIA	VALOR EN USD	OBLIGACIÓN No	FECHA OBLIGACIÓN	ORDEN DE PAGO No.	FECHA ORDEN DE PAGO	VALOR PAGADO	PENDIENTE POR CANCELAR
Pago total	2022	USD 7.845,00	8323	19-01-23	39476323	20-02-23	USD 7.845,00	-
TOTAL SALDO ACUERDO		USD 7.845,00	-	-	-	-	-	-
TOTAL ADICIÓN		-	-	-	-	-	-	-
TOTAL		USD 7.845,00	-	-	-	-	USD 7.845,00	USD 0,00

EN PESOS

CONTRATADO			PAGADO					PENDIENTE POR CANCELAR
TIPO DE PAGO	VIGENCIA	VALOR EN PESOS	OBLIGACIÓN No	FECHA OBLIGACIÓN	ORDEN DE PAGO No.	FECHA ORDEN DE PAGO	VALOR PAGADO	
Pago total	2022	$ 36.087.000,00	-	-	-	-	-	-
TOTAL, SALDO ACUERDO		$ 36.087.000,00	-	-	-	-	-	-
TOTAL, ADICIÓN MEDIANTE RESOLUCION 2021180020103233 DE FECHA 08 DE NOVIEMBRE DE 2022		$ 4.314.750,00	8323	19-01-23	39476323	20-02-23	38.635.918,95	1.765.831,05
Reducción mediante acta No. 00208244 de fecha 01 de marzo de 2023								(1.765.831,05)
TOTAL		$40.401.750,00	-	-	-	-	38.635.918,95	$ 0,00

2.3. RESUMEN DE DOCUMENTOS PRESUPUESTALES

CONCEPTO	VIGENCIA PPTAL	CDP No.	FECHA CDP	CRP No.	FECHA CRP	VALOR
EQUIPO DE TRANSPORTE	2022	25322	2022-05-04	104022	2022-10-28	$ 36.087.000,00
	VALOR TOTAL EN PESOS					$ 36.087.000,00

3. SITUACIÓN DE ENTREGAS: EL SIGUIENTE ES EL SERVICIO RECIBIDO A LA FECHA:

El plazo máximo de ejecución del contrato es el 22 de diciembre del año 2022.

PRIMERA ENTREGA: DE ACUERDO A ACTA DE RECIBO A SATISFACCIÓN No. 00934380

RUBRO: A-02-02-01-004-009 EQUIPO DE TRANSPORTE

ÍTEM	Código UNSPSC	DESCRIPCIÓN	PARTE NUMERO	UNIDAD DE MEDIDA	CANT	PRECIO UNITARIO EN DÓLARES AMERICANOS	PRECIO TOTAL EN DÓLARES AMERICANOS
Lote No.7							
1	25201500	EJE	212-42000-01-1	EA	1	4140,00	4140,00
2	25201500	RING MLG	AN123992	EA	3	6,00	18,00
3	25201500	CONE AND ROLLERS,TAPERED ROLLER BEARING	L305649	EA	1	105,00	105,00
4	25201500	RODAMIENTO	L507949/2- 629	EA	12	298,00	3576,00
5	25201500	RING MGL	MS28775-341	EA	4	1,50	6,00
VALOR TOTAL LOTE No.7							7.845,00

VALOR TOTAL ENTREGA RUBRO A-02-02-01-004-009 EQUIPO DE TRANSPORTE	USD 7.845,00
VALOR TOTAL PRIMERA ENTREGA	**USD 7.845,00**

3.1. BALANCE DE SERVICIOS RECIBIDOS POR RUBROS

RUBRO / DESCRIPCIÓN	RECURSO	SITUAC	VALOR DEL RUBRO (CRP)	VALOR ACUMULADO RECIBIDO ANTERIOR	VALOR A PAGAR ENTREGA ACTUAL	VALOR PENDIENTE POR RECIBIR
A-02-02-01-004-009 EQUIPO DE TRANSPORTE	10	CSF	USD 7.845,00	**USD 7.845,00**	$ 00,00	$ 00,00
TOTAL RUBRO CRP			USD 7.845,00	**USD 7.845,00**	$ 00,00	$ 00,00

3.2 BALANCE DE BIENES SERVICIOS RECIBIDOS

ENTREGAS	FECHA	VALOR EN DÓLARES
PRIMERA ENTREGA	22-12-2022	USD 7.845,00
TOTAL SERVICIOS RECIBIDOS		USD 7.845,00
PENDIENTE POR RECIBIR		USD 00,00
VALOR INICIAL DEL CONTRATO		**USD 7.845,00**
VALOR ADICIÓN		-
TOTAL VALOR DEL CONTRATO		**USD 7.845,00**

4. RESUMEN DE PÓLIZAS

CONTRATO PRINCIPAL
Garantía única de cumplimiento **No. 11-44-101192965 ANEXO 1**
Aseguradora: **SEGUROS DEL ESTADO NIT 860.009.578-6**
Fecha de expedición **31 OCT 2022**
Fecha Certificado de Aprobación No. **085 01 NOV 2022**
Fecha de aprobación **01 NOV 2022**

AMPAROS	VIGENCIA		VALOR ASEGURADO
	DESDE	HASTA	
Cumplimiento del contrato	26/10/2022	22/06/2023	$ 12.630.450,00
Calidad y correcto funcionamiento de los bienes	26/10/2022	22/12/2023	$ 10.826.100,00

5. TRABAJOS Y/O ACTIVIDADES REALIZADAS:

OMITIDO

6. AVANCE TOTAL DEL PROYECTO:

VALOR CONTRATO	% EJECUCIÓN FÍSICA	% EJECUCIÓN FINANCIERA
USD 7.845,00	100 %	100 %

7. CRONOGRAMA DE EJECUCIÓN

OMITIDO

8. NOVEDADES Y/O INFORMACIÓN DE IMPORTANCIA

OMITIDO

9. ANEXOS AL INFORME

Catalogación (06 folios)
Oficio de fecha 18 septiembre CLAUSULA OFFSET

Adriana Correño Durán
Ingeniera Financiera
T.P. 68303-311098

Mayor. YEISON LEONARDO CASTILLO
Cargo: Oficial S-3 BAMAV1
Supervisor Contrato No. 192-CENACAVIACION-2022
Celular: 3209641152

STAIR
CARGO INC
AVIATION MRO SERVICES

147-2023

Bogotá, 18 de septiembre de 2023

Señores:
MINISTERIO DE DEFENSA NACIONAL
COMANDO GENERAL FUERZAS MILITARES
EJÉRCITO NACIONAL
BATALLON DE MANTENIMIENTO DE AVIACION No.1 "AVIONES"
SV OSCAR ALEXANDER SANABRIA DIAZ
Señor Mayor **YEISON LEONARDO CASTILLO PEREZ**
SUPERVISOR CONTRATO No. 192-CENACAVIACION-2022
Bogotá D.C.

REFERENCIA: Contrato 192-CENACAVIACION-2022 Radicado 2022676002803781

Respetado Señor Mayor:

Después de haber revisado el contrato de la referencia en lo concerniente a las **compensaciones** de que trata la directiva No. 26 del 12 agosto de 2011 y a la cual se le debería dar estricto cumplimiento, y habiendo analizado su contenido, colegimos que:

1. Las compensaciones se deben hacer con la presentación de la oferta y/o consensuada a la firma del contrato.
2. Para este contrato en particular no aplicaría porque el monto del contrato es mucho menor al tope establecido en la directiva mencionada.
3. Como esto eventos ya se surtieron, consideramos que para este caso tampoco aplicaría la directiva en cuestión.

Sin embargo, para posteriores oportunidades si así se nos permite, seremos los primeros en tomar la iniciativa para dar estricto cumplimiento a la citada directiva.

Agradeciendo su gentileza quedo a la espera de sus valiosos comentarios.

Cordialmente,

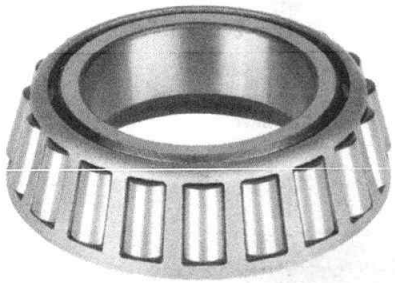
PEDRO ALFONSO PORRAS LEGUIZAMON
CC 10'160.987 de La Dorada
Apoderado en Colombia de Stair Cargo Inc.
Celular: 315 342 9229
Teléfono: 601 736 9776
Dirección: Calle 23 # 97-72

Part Number L305649, Tapered Roller Bearings - Single Cones - Imperial

Request Information | Add to CAD Cart

Email This Page (/email/tapered-roller-bearings---single-cones/tapered-roller-bearings-single-cones-imperial/l305649?from=item)
Printable Page (/printitem/tapered-roller-bearings---single-cones/tapered-roller-bearings-single-cones-imperial/l305649) Download PDF

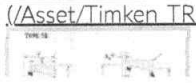
This is the most basic and most widely used type of tapered roller bearing. It consists of two main separable parts: the cone (inner ring) assembly and the cup (outer ring). It is typically mounted in opposing pairs on a shaft.



TIMKEN®
REPRESENTATIVE IMAGE



(/Asset/Timken_TRB_SINGLECONE_TS_LM67048-20024-A.jpg)



VIEW CAD DRAWING



3D (javascript:void(0);)



2D Sectional View (javascript:void(0);)



2D Sales Drawing (javascript:void(0);)

DOWNLOADS

Tapered Roller Bearing Engineering Information (/Asset/Tapered-Single-Roller-Bearings---TS-Engineering.pdf)

Bearing Life Calculation Tool (http://www.timken.com/en-us/tools/bearing-fatigue-life/)

Unit of Measure Both

Specifications | Dimensions | Abutment and Fillet Dimensions | Basic Load Ratings | Factors

Specifications	
Series	L305600
Cone Part Number	L305649
Design Units	Imperial
Cage Type	Stamped Steel

Privacy & Cookies Policy (javascript:void(0);)

3. **CONE AND ROLLERS, TAPERED ROLLER BEARING**
   P/N L305649 or L305649-20629
   NSN 3110-01-385-8238

DLA Information Operations

REFERENCE DATA RESPONSE

FSC: 3110
NIIN: 013858238
ITEM NAME: CONE AND ROLLERS,TAPERED ROLLER

REFERENCE/PART NUMBER

PART NUMBER	CAGE CODE	CAGE STATUS	RNCC	RNVC	DAC	RNAAC	RNFC	RNSC	RNJC	SADC	HCC	MSDS	MED
L305649-20629	60038	A	5	1	6	9Z	4	D					
L305649*2-629	60038	A	5	1	2	ZZ							
L305649-2U629	60038	A	5	1	5	ZZ							
111-10	97153	A	5	1	5	ZZ							
9235611-03	98747	A	1	2	A	ZZ							Y
9235611-03	60038	A	3	2	5	ZZ							
3110PL0671978	9009H	A	6	9	9	WP	4	B					
3110PL1601491	9009H	A	6	9	9	WP	4	B					

ADDRESS INFORMATION SUPPORTING INFORMATION:

CAGE CODE	COMPANY NAME	COMPANY NAME 2	COMPANY NAME 3	COMPANY NAME 4	COMPANY NAME 5	STREET ADDRESS 1	STREET ADDRESS 2	PO BOX	CITY	STATE	ZIP
60038	THE TIMKEN CORPORATION					4500 MOUNT PLEASANT STREET NORTH WES			NORTH CANTON	OH	44720-5450
9009H	JEDNOLITY INDEKS MATERIALOWY -	UNIFORM MATERIAL INDEX				NO STREET			NO CITY	KUJAWSKO-POMORSKIE	NO CODE
97153	GOODRICH CORPORATION	DBA COLLINS AEROSPACE	DIV COLLINS AEROSPACE, LANDING	SYSTEMS (WHEELS & BRAKES)		101 WACO ST			TROY	OH	45373-3872
98747	OGDEN AIR LOGISTICS CENTER					FMIR BLDG 1209			HILL AIR FORCE BASE	UT	84056-5320

DLA Information Operations

CHARACTERISTICS DATA RESPONSE

FSC: 3110
NIIN: 013858238
ITEM NAME: CONE AND ROLLERS,TAPERED ROLLER

CHARACTERISTICS (DECODED)

MRC	REQUIREMENTS STATEMENT	CLEAR TEXT REPLY
AGAV	END ITEM IDENTIFICATION	F-16 NOSE WHEEL
ABXV	BORE DIAMETER	2.0000 INCHES NOMINAL
AGWW	CONE CORNER RADIUS	0.0620 INCHES NOMINAL
AGWX	CONE WIDTH	0.7188 INCHES NOMINAL
CRTL	CRITICALITY CODE JUSTIFICATION	AGAV
MATT	MATERIAL	STEEL OVERALL

DLA Information Operations

2. RING MLG
P/N AN123992 or AS3569-232
NSN 5331-00-291-7348

IDENTIFICATION | MANAGEMENT | MOE_RULE | ☒ REFERENCE | FREIGHT_PACKAGING | CHARACTERISTICS | TIR |

DLA Information Operations

REFERENCE DATA RESPONSE

FSC: 5331
NIIN: 002917348
ITEM NAME: O-RING

REFERENCE/PART NUMBER

PART NUMBER	CAGE CODE	CAGE STATUS	RNCC	RNVC	DAC	RNAAC	RNFC	RNSC	RNJC	SADC	HCC	MSDS	MEDALS
SAE-AS3569	0U583	A	3	1	E	ZZ							
AS3569-232	0U583	A	3	2	S	ZZ		D					
5066D35	0AHP5	A	S	9	X	XX		B					
AN123992	88044	A	S	9	X	XX	3	B					
AS3569-232	81343	B	3	9	E	ZZ							

DLA Information Operations

CHARACTERISTICS DATA RESPONSE

FSC: 5331
NIIN: 002917348
ITEM NAME: O-RING

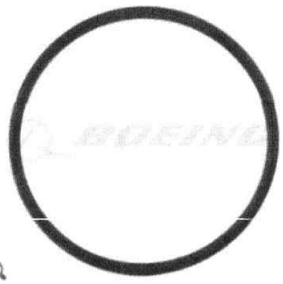
CHARACTERISTICS (DECODED)

MRC	REQUIREMENTS STATEMENT	CLEAR TEXT REPLY
ADYT	CENTER HOLE DIAMETER	2.719 INCHES MINIMUM AND 2.749 INCHES MAXIMUM
ADVN	CROSS-SECTIONAL HEIGHT	0.135 INCHES MINIMUM AND 0.143 INCHES MAXIMUM
CQFM	HARDNESS RATING	70.0 SHORE DUROMETER A NOMINAL
ABHE	OUTSIDE DIAMETER	3.012 INCHES NOMINAL
MATT	MATERIAL	RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR

ORING: RUBBER,

Proponent

Part # **AS3569-232=15**



Shelf Life : No Less Than 4943 Days Remaining

NSN	Cage Code	Country of origin	ECCN / USML	Schedule B
	59789	United States	9A991.d	4016930000
Dimensions (L x W x H)	**Total Shelf Life (days)**	**Hazmat Code**	**Package Weight**	**FAA Approval Code**
5.5 x 5.5 x .07 IN	5475		.02 LB	STD
ISBN	**Condition**	**Color**	**Brand**	**Hazmat(Y/N)**
				N
LTL(Y/N)	**8130-3 Eligible**			
N	No			

1. **EJE**
   P/N 212-42000-01-1

El fabricante es AIRBUS y ellos no entregan diseños características técnicas o cualquier otro dato que pueda ser utilizado para su duplicidad por otro fabricante, así mismo este ítem no posee NSN, solamente tenemos la EASA FORM 1

1. Approving Competent Authority/Country Autoridad competente de aprobación/País	2. **AUTHORIZED RELEASE CERTIFICATE** **CERTIFICADO DE APTITUD AUTORIZADO** **EASA FORM 1 (FORMULARIO EASA 1)**	3. Form Tracking Number Número de referencia del formulario
AGENCIA ESTATAL DE SEGURIDAD AÉREA/ESPAÑA		**E16L32C39C0101**
4. Organization Name and Address Nombre y domicilio de la organización	**AIRBUS DEFENCE AND SPACE S.A.U.** Avenida de Aragón 404, 28022 Madrid, España	5. Work Order/Contract/Invoice Pedido/Contrato/Factura 001673 23 03 14/06/16 Slow R

6. Item Elemento	7. Description Descripción	8. Part Nº Número de Parte	9. Quantity Cantidad	10. Serial No. Nº Serie	11. Status/Work Estado/Trabajo
0010	SHAFT	212-42000.01-1	2	N/A	NEW

12. Remarks:
Observaciones:

ITEM 0010:RECEPTION DOCUMENT 4500223758,REF.160023,160024

CLIA SISTEMAS, S.L.

13a. *Certifies that items identified above were manufactured in conformity to:*
Certifica que los artículos anteriormente identificados se fabricaron de conformidad con:

[X] approved design data and are in condition for safe operation
datos de diseño aprobados y están en condiciones de operar con seguridad

[ ] non-approved design data specified in block 12
datos de diseño no aprobados especificados en la casilla 12

13b. *Part-145.A.50 Release to Service*
Parte-145.A.50 Aptitud para el servicio

[ ] *Other regulation specified in block 12*
Otra norma señalada en la casilla 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

Certifica que salvo por lo indicado en la casilla 12, el trabajo señalado en la casilla 11 y descrito en la casilla 12 se ha llevado a cabo de conformidad con la Parte-145 y respecto de ese trabajo los artículos se consideran aptos para el servicio.

13b. Authorized Signature Firma Autorizada	13c. Approval/Authorization Number Número de la aprobación/Autorización	13f. Authorized Signature Firma Autorizada	14c. Approval/Authorization Number Número de la aprobación/Autorización
	ES.21G.0001		
13d. Name Nombre	13e. Date (d/m/y) Fecha (d/m/a)	13g. Name Nombre	14e. Date (d/m/y) Fecha (d/m/a)
JOSÉ PLAZA CUENCA	13.SEP.2016		

EASA FORM 1-21 Issue 2

C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions)[1]	23800 lbf 106000 N
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions)[2]	6170 lbf 27400 N

Bearing Dimensional Tolerances (http://www.timken.com/en-tools/bearing-tolerances/)

Dimensions

d - Cone Bore	2 in 50.800 mm
B - Cone Width	0.7188 in 18.258 mm

Abutment and Fillet Dimensions

R - Cone Backface "To Clear" Radius[3]	0.06 in 1.5 mm
da - Cone Frontface Backing Diameter	2.2 in 56 mm
db - Cone Backface Backing Diameter	2.28 in 58 mm
Ab - Cage-Cone Frontface Clearance	0.1 in 2.5 mm
Aa - Cage-Cone Backface Clearance	0 in 0 mm
a - Effective Center Location[4]	-0.1 in -2.5 mm

Basic Load Ratings

C90 - Dynamic Radial Rating (90 million revolutions)[5]	3540 lbf 15800 N
C1 - Dynamic Radial Rating (1 million revolutions)[6]	13700 lbf 60800 N
C0 - Static Radial Rating	20000 lbf 88800 N
C_{a90} - Dynamic Thrust Rating (90 million revolutions)[7]	2160 lbf 9590 N

Factors

K - Factor[8]	1.64
G1 - Heat Generation Factor (Roller-Raceway)	38.8
G2 - Heat Generation Factor (Rib-Roller End)	29.8
Cg - Geometry Factor[9]	0.0841

ed on 1 x 10^6 revolutions L_{10} life, for the ISO life calculation method.

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[2] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values for a single-row, $C_{90(2)}$ is the two-row radial value.

[3] These maximum fillet radii will be cleared by the bearing corners.

[4] Negative value indicates effective center inside cone backface.

[5] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.

[6] Based on 1 x 10^6 revolutions L_{10} life, for the ISO life calculation method.

[7] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values for a single-row, $C_{90(2)}$ is the two-row radial value.

[8] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[9] Geometry constant for Lubrication Life Adjustment Factor a3l.

Brands

TIMKEN® (HTTPS://WWW.TIMKEN.COM/)

BEKA (HTTPS://WWW.GROENEVELD-BEKA.COM/EN/)

CONE DRIVE (HTTPS://CONEDRIVE.COM/)

DIAMOND (HTTPS://WWW.DIAMONDCHAIN.COM

DRIVES (HTTPS://WWW.DRIVESCHAIN.COM/)

GROENEVELD (HTTPS://WWW.GROENEVELD-BEKA.COM/EN/)

LOVEJOY (HTTPS://WWW.LOVEJOY-INC.COM/)

PHILADELPHIA GEAR (HTTPS://PHILAGEAR.COM/)

ROLLON (HTTPS://WWW.ROLLON.COM/US/EN/)

MORE (HTTPS://WWW.TIMKEN.COM/ABOUT#BRAND-PORTFOLIO)

Engineered Bearings

BALL (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/BALL/)

CYLINDRICAL (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/CYLINDRICAL/)

HOUSED UNITS (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/HOUSED-UNITS/)

PLAIN (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/PLAIN/)

PRECISION (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/PRECISION/)

SPHERICAL (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/SPHERICAL/)

TAPERED (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/TAPERED-ROLLER/)

THRUST (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/THRUST/)

MORE (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/)

Industrial Motion Products

AUGERS (HTTPS://WWW.TIMKEN.COM/PRODUCTS/TIMKEN-MECHANICAL-POWER-TRANSMISSION-PRODUCTS/AUGERS/)

AUTOMATIC LUBRICATION SYSTEMS (HTTPS://WWW.TIMKEN.COM/PRODUCTS/TIMKEN-MECHANICAL-POWER-TRANSMISSION-PRODUCTS/LUBRICATION-LUBRICATION-SYSTEMS/)

BELTS (HTTPS://WWW.CARLISLEBELTS.COM/PRODUCT/BELTS)

BRAKES & CLUTCHES (HTTPS://WWW.PTTECH.COM/)

CHAIN (HTTPS://WWW.TIMKEN.COM/PRODUCTS/TIMKEN-MECHANICAL-POWER-TRANSMISSION-PRODUCTS/PRECISION-CHAIN/)

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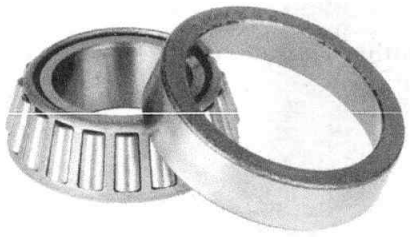
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Part Number L507949 - L507910, Tapered Roller Bearings - TS (Tapered Single) Imperial

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Email This Page (/email/tapered-roller-bearings-ts-tapered-single-/tapered-roller-bearings-ts-tapered-single-imperi-2/l507949-l507910?
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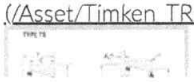
This is the most basic and most widely used type of tapered roller bearing. It consists of two main separable parts: the cone (inner ring) assembly and the cup (outer ring). It is typically mounted in opposing pairs on a shaft.



TIMKEN®
REPRESENTATIVE IMAGE



(/Asset/Timken_TRB_1ROWASSY_TS_32005X-90KA1-A.jpg)



VIEW CAD DRAWING



3D (javascript:void(0);)



2D Sectional View (javascript:void(0);)



2D Sales Drawing (javascript:void(0);)

DOWNLOADS

Tapered Roller Bearing Engineering Information (/Asset/Tapered-Single-Roller-Bearings---TS-Engineering.pdf)

Bearing Life Calculation Tool (http://www.timken.com/e

Unit of Measure Both

Specifications | Dimensions | Abutment and Fillet Dimensions | Basic Load Ratings | Factors

Specifications	
Series	L507900
Cone Part Number	L507949
Cup Part Number	L507910
Unit	Inch

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4. **RODAMIENTO**
   P/N L507949/2-629 or L507949-20629
   NSN 3110-01-544-9238

DLA Information Operations

REFERENCE DATA RESPONSE

FSC: 3110
NIIN: 015449238
ITEM NAME: CONE AND ROLLERS,TAPERED ROLLER

REFERENCE/PART NUMBER

PART NUMBER	CAGE CODE	CAGE STATUS	RNCC	RNVC	DAC	RNAAC	RNFC	RNSC	RNJC	SADC	HCC	MSDS	MEDALS
L507949*2-629	60038	A	5	1	5	ZZ							
L507949-20629	60038	A	5	1	5	ZZ							
L507949-2U629	60038	A	5	1	5	ZZ							
111-2	97153	A	5	1	5	ZZ							
9235611-295	98747	A	1	2	5	ZZ							
9235611-295	60038	A	3	2	5	ZZ							

ADDRESS INFORMATION SUPPORTING INFORMATION:

CAGE CODE	COMPANY NAME	COMPANY NAME 2	COMPANY NAME 3	COMPANY NAME 4	COMPANY NAME 5	STREET ADDRESS 1	STREET ADDRESS 2	PO BOX	CITY	STATE	ZIP	COUN
60038	THE TIMKEN CORPORATION					4500 MOUNT PLEASANT STREET NORTH WES			NORTH CANTON	OH	44720-5450	UNITED STATE
97153	GOODRICH CORPORATION	DBA COLLINS AEROSPACE	DIV COLLINS AEROSPACE, LANDING	SYSTEMS (WHEELS & BRAKES)		101 WACO ST			TROY	OH	45373-3872	UNITED STATE
98747	OGDEN AIR LOGISTICS CENTER					FMIR BLDG 1209			HILL AIR FORCE BASE	UT	84056-5320	UNITED STATE

DLA Information Operations

CHARACTERISTICS DATA RESPONSE

FSC: 3110
NIIN: 015449238
ITEM NAME: CONE AND ROLLERS,TAPERED ROLLER

CHARACTERISTICS (DECODED)

MDC	REQUIREMENTS STATEMENT	CLEAR TEXT REPLY
AGAV	END ITEM IDENTIFICATION	F-16 MAIN LANDING GEAR,PRE BLOCK 40
ABXV	BORE DIAMETER	2.2500 INCHES NOMINAL
AGWW	CONE CORNER RADIUS	0.0600 INCHES NOMINAL
AGWX	CONE WIDTH	0.7188 INCHES NOMINAL
CRTL	CRITICALITY CODE JUSTIFICATION	AGAV
CXCY	PART NAME ASSIGNED BY CONTROLLING AGENCY	CONE,BEARING,INNER
MATT	MATERIAL	STEEL OVERALL
FEAT	SPECIAL FEATURES	2-629 AT THE END OF PART NO. ID'S ACFT LANDING WHEEL BEARINGS, SPECIAL INSPECTION
STYL	STYLE DESIGNATOR	NORMAL ANGLE

DLA Information Operations

Factors	
K - Factor[7]	1.5
e - ISO Factor[8]	0.39
Y - ISO Factor[9]	1.54
G1 - Heat Generation Factor (Roller-Raceway)	46.1
G2 - Heat Generation Factor (Rib-Roller End)	38.5
Cg - Geometry Factor[10]	0.0914

[1] These maximum fillet radii will be cleared by the bearing corners.
[2] These maximum fillet radii will be cleared by the bearing corners.
[3] Negative value indicates effective center inside cone backface.
[4] Based on 90×10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.
[5] Based on 1×10^6 revolutions L_{10} life, for the ISO life calculation method.
[6] Based on 90×10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values for a single-row, $C_{90(2)}$ is the two-row radial value.
[7] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
[8] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
[9] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
[10] Geometry constant for Lubrication Life Adjustment Factor a3l.

Brands

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DRIVES (HTTPS://WWW.DRIVESCHAIN.COM/)

GROENEVELD (HTTPS://WWW.GROENEVELD-BEKA.COM/EN/)

LOVEJOY (HTTPS://WWW.LOVEJOY-INC.COM/)

PHILADELPHIA GEAR (HTTPS://PHILAGEAR.COM/)

Engineered Bearings

BALL (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/BALL/)

CYLINDRICAL (HTTPS://WWW.TIMKEN.COM/PRODU ENGINEERED-BEARINGS/CYLINDRICAL/)

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BELTS (HTTPS://WWW.CARLISLEBELTS.COM/PRODUCT/BELTS)

BRAKES & CLUTCHES (HTTPS://WWW.PTTECH.COM/)

CHAIN (HTTPS://WWW.TIMKEN.COM/PRODUCTS/TIMKEN-MECHANICAL-POWER-TRANSMISSION-PRODUCTS/PRECISION-CHAIN/)

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Cage Material	Stamped Steel

Dimensions

d - Bore	2 1/4 in 57.150 mm
D - Cup Outer Diameter	3.4375 in 87.313 mm
B - Cone Width	0.7188 in 18.258 mm
C - Cup Width	0.5625 in 14.288 mm
T - Bearing Width	0.7188 in 18.258 mm

Abutment and Fillet Dimensions

R - Cone Backface "To Clear" Radius[1]	0.06 in 1.5 mm
r - Cup Backface "To Clear" Radius[2]	0.06 in 1.52 mm
da - Cone Frontface Backing Diameter	2.44 in 62 mm
db - Cone Backface Backing Diameter	2.56 in 65.0 mm
Da - Cup Frontface Backing Diameter	3.29 in 83.10 mm
Db - Cup Backface Backing Diameter	3.11 in 78.99 mm
Ab - Cage-Cone Frontface Clearance	0.1 in 2.5 mm
Aa - Cage-Cone Backface Clearance	0 in 0 mm
a - Effective Center Location[3]	-0.03 in -0.8 mm

Basic Load Ratings

C90 - Dynamic Radial Rating (90 million revolutions)[4]	3650 lbf 16300 N
C1 - Dynamic Radial Rating (1 million revolutions)[5]	14100 lbf 62700 N
C0 - Static Radial Rating	21500 lbf 95600 N
C_{a90} - Dynamic Thrust Rating (90 million revolutions)[6]	2430 lbf 10800 N

tools/bearing-fatigue-life/)

Bearing Dimensional Tolerances (http://www.timken.com/en tools/bearing-tolerances/)

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5. **RING MGL**
   P/N MS28775-341
   NSN 5331-00-579-7924

DLA Information Operations

REFERENCE DATA RESPONSE

FSC: 5331
NIIN: 005797924
ITEM NAME: O-RING

REFERENCE/PART NUMBER

PART NUMBER	CAGE CODE	CAGE STATUS	RNCC	RNVC	RNAC	RNAAC	RNFC	RNSC	RNJC	SADC	MCC	MSRS	MEDAL3
SAE-AS28775	00583	A	3	1	E	ZZ							
54A125-341	10801	A	3	2	5	XX	3	D					
MS28775-341	00581	A	3	2	5	ZZ							
PRP568-341-4067-70	77308	A	3	2	4	KZ	4	D					
7377-341	25184	A	3	2	4	KZ							
P48026-341	70106	A	3	2	4	KZ							
4067-70-341	77308	A	3	2	4	KZ							
SR 832-75-341	95272	A	3	2	4	KZ							
2-341 N304-75	02697	A	3	3	4	KZ	4	D					
6227-44	07128	A	3	3	3	KZ	4	D					
N304-75-341	02697	A	3	3	4	KZ		D					
MS28775-341ES	H2313	A	3	3	3	MZ		D					
MS28775-341	99906	A	3	3	4	MZ	3	D	3				
2-341 N304-75	C0308	A	3	3	3	ZG	4	D					
5330005797924	SCY13	B	3	3	3	YF	4	D					
MS28775-341	81343	B	3	3	4	ZZ		D					
50310-341R	33241	F	3	3	3	49	3	D					

DLA Information Operations

CHARACTERISTICS DATA RESPONSE

FSC: 5331
NIIN: 005797924
ITEM NAME: O-RING

CHARACTERISTICS (DECODED)

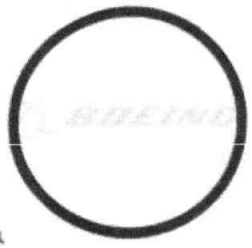
MRC	REQUIREMENTS STATEMENT	CLEAR TEXT REPLY
ADYT	CENTER HOLE DIAMETER	3.460 INCHES MINIMUM AND 3.490 INCHES MAXIMUM
ADVN	CROSS-SECTIONAL HEIGHT	0.205 INCHES MINIMUM AND 0.215 INCHES MAXIMUM
ABHE	OUTSIDE DIAMETER	3.881 INCHES MINIMUM AND 3.929 INCHES MAXIMUM
MATT	MATERIAL	RUBBER BUTADIENE-ACRYLONITRILE CLASS NDR

DLA Information Operations

ORING: NITRILE,70, HYD

Proprietary

Part # **MS28775-341x15**



NSN	Cage Code	Country of origin	ECCN / USML	Schedule B
5330-00-579-7924	59769	Mexico	9A991.d	4016930000
Dimensions (L x W x H)	**Total Shelf Life (days)**	**Hazmat Code**	**Package Weight**	**FAA Approval Code**
6 x 6.25 x .25 IN	5475		.036 LB	STD
ISBN	**Condition**	**Color**	**Brand**	**Hazmat(Y/N)**
				N
LTL(Y/N)	**8130-3 Eligible**			
N	No			

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