

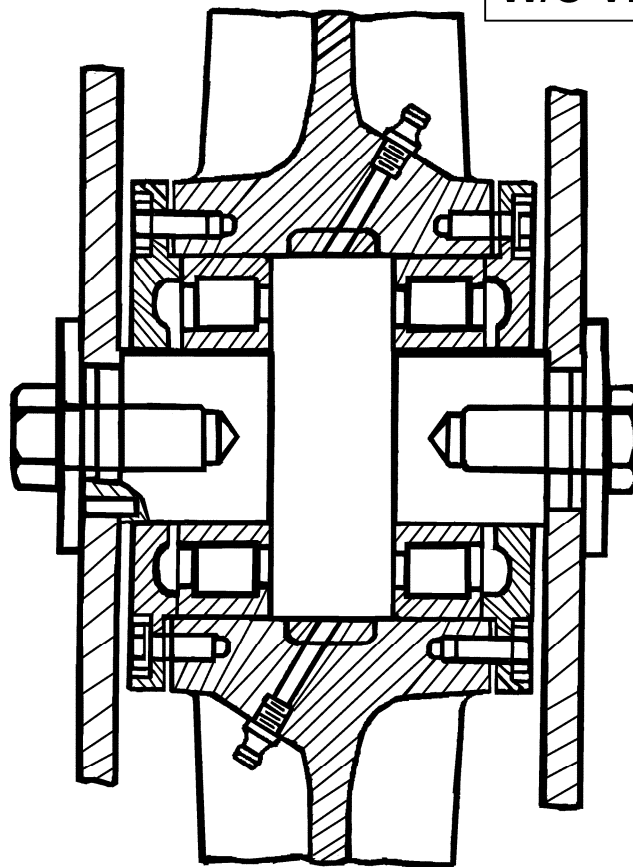
**2:1 Sheaves: Common  
Hub Components**

**Spare Parts Leaflet**

**16-A6612J**

**October 15, 2001 / Page 1 of 5**

**W/O VINTAGE**



**OTIS**

**Safety First!**

**SERVICE ENGINEERING**  
Otis Elevator Company  
Bloomfield, Connecticut USA

**Leaflet Description**

This leaflet covers most sheave hub components for 2:1 car top, counterweight, and overhead sheaves. One of the components, the anti-rotation pin 78A1 has been used since the 1930s. The pin is used to ensure that the sheave rotates on the bearings and that the shaft doesn't rotate through its support plates. Note that commercial hardware listed in this leaflet, such as hex bolts and lockwashers, should be purchased locally.

**Leaflet Revisions**

<b>Date Revised</b>	<b>Subject Matter Expert</b>	<b>Reason for Revision</b>
October 15, 2001	Sean Mismas	New leaflet

**Related Drawings**

<b>Drawing No.</b>	<b>Title</b>	<b>Drawing No.</b>	<b>Title</b>
A6612J	Assembly; Sheave, Roller Bearing		

**Related Documents**

<b>Document ID</b>	<b>Title</b>
SPL 16-AAA20700C	Overhead Sheave Assemblies

**Subject Matter Expert**

<b>Name</b>	<b>Department</b>
Sean Mismas	OSC Service Engineering

**About Spare Parts Leaflets...**

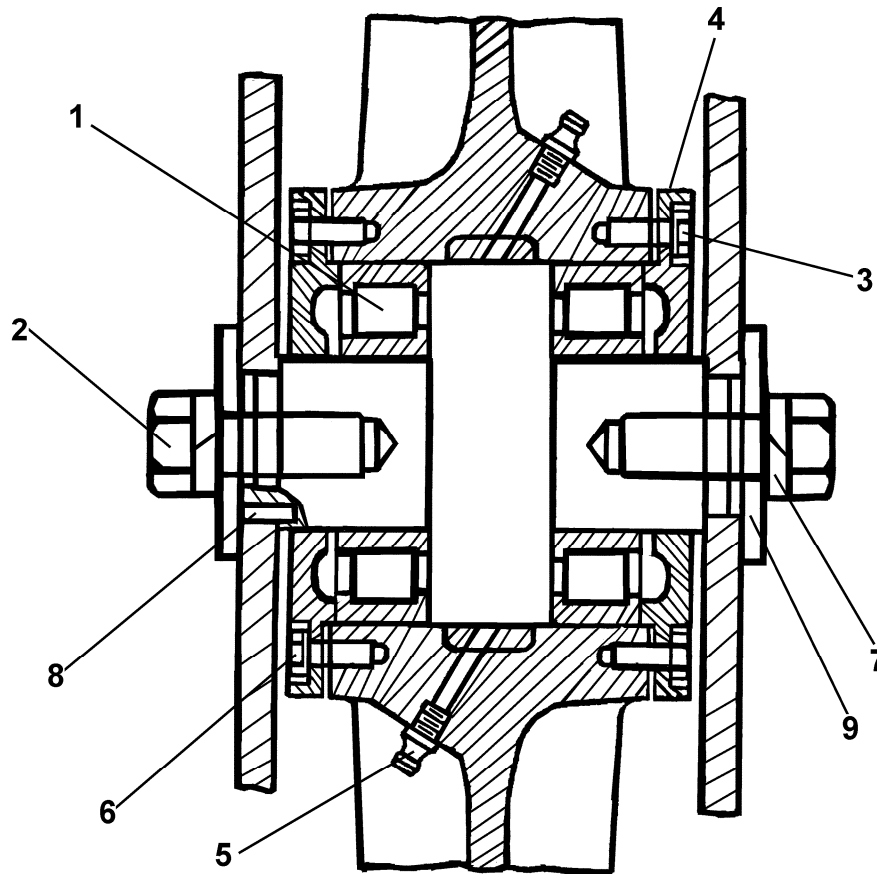
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.



While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field Education Articles, Construction Letters, etc. for further information.

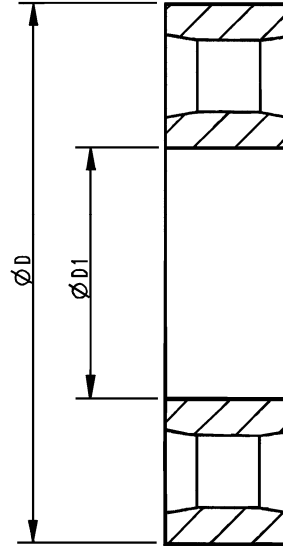
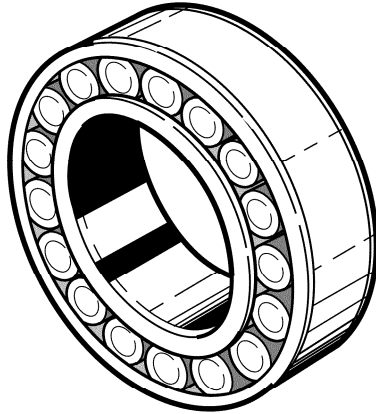
If you have any suggestions about this document, please contact the subject matter expert listed on this page.

# Common Hub Components

16-A6612J



W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	
1	---	Bearing, Roller,  p. 4	
2	65BT1	Bolt (same as 7/8-9 × 1-3/4 in. bolt, w/head height ground down)	
	---	Bolt, 7/8-9 × 1-3/4 in., Used on Shaft	
3	---	Bolt, 3/8-16 × 3/4 in., Used on Cover	
4	---	Cover, Sheave,  p. 5	
5	435C1	Fitting, Grease	
6	---	Lockwasher, 3/8 in., Used on Cover	
7	---	Lockwasher, 7/8 in., Used on Shaft	
8	78A1	Pin, Anti-Rotation	
9	127VB78	Washer, Special	⊙ 29/32 in., ⊘ 3-1/4 in., Thickness = 5/16 in.
	127VB90		⊙ 29/32 in., ⊘ 5-1/4 in., Thickness = 3/8 in.

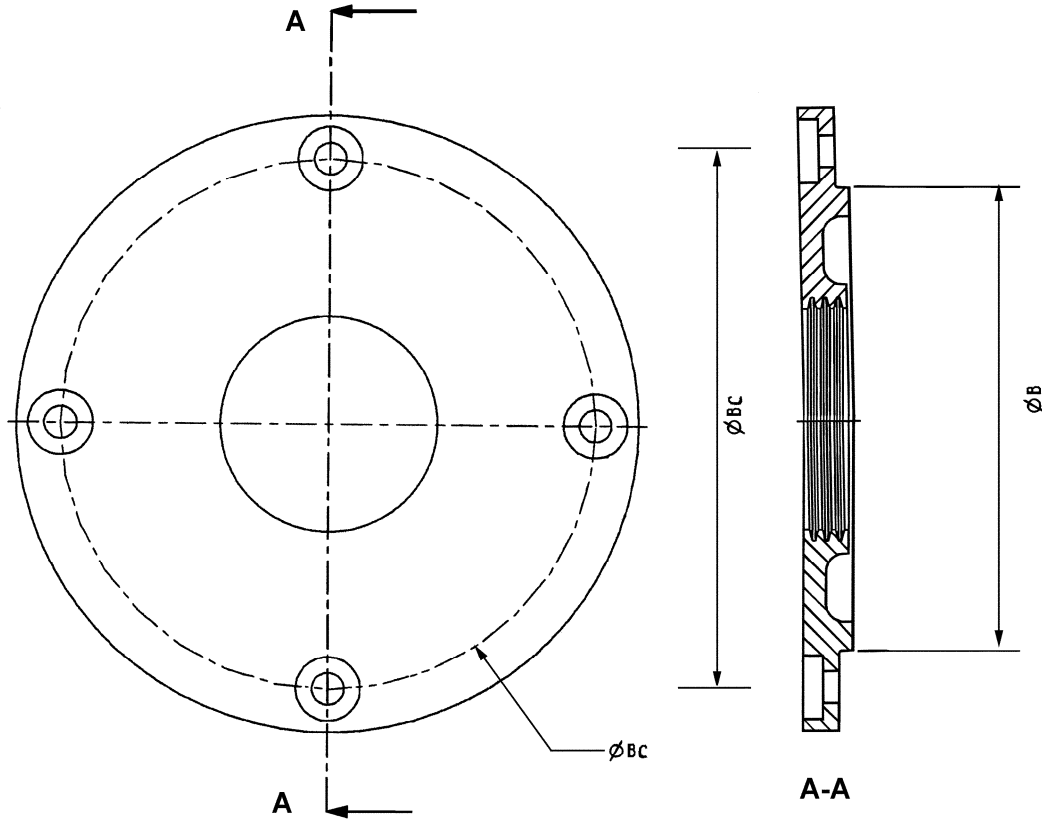
**16-A6612J****Roller Bearing**

		<b>W/O VINTAGE</b>		
<b>REF. No.</b>	<b>PART No.</b>	<b>DESCRIPTION</b>	<b>DIMENSION (in.)</b>	
1	209J2	Bearing, Roller	$\varnothing D1 = 1.97$	$\varnothing D = 4.33$
	209J3		$\varnothing D1 = 2.36$	$\varnothing D = 5.12$
	209J4		$\varnothing D1 = 2.76$	$\varnothing D = 5.91$
	209J5		$\varnothing D1 = 3.15$	$\varnothing D = 6.69$
	209J6		$\varnothing D1 = 3.54$	$\varnothing D = 7.48$
	209J7		$\varnothing D1 = 3.94$	$\varnothing D = 8.47$
	209J8		$\varnothing D1 = 4.72$	$\varnothing D = 10.24$
	209J10		$\varnothing D1 = 5.51$	$\varnothing D = 11.81$
	209J11		$\varnothing D1 = 2.17$	$\varnothing D = 4.72$

**NOTE:** Dimension  $\varnothing D$  of the roller bearing should equal dimension  $\varnothing B$  of the sheave cover (refer to p.5).

# Sheave Cover

**16-A6612J**



W/O VINTAGE			
REF. No.	PART No.	DESCRIPTION	DIMENSION (in.)
1	346PJ2	Cover, Sheave	$\phi_B = 4.33$ $\phi_{BC} = 5.00$
	346PJ3		$\phi_B = 5.12$ $\phi_{BC} = 5.81$
	346PJ4		$\phi_B = 5.90$ $\phi_{BC} = 6.63$
	346PJ5		$\phi_B = 6.69$ $\phi_{BC} = 7.38$
	346SS1		$\phi_B = 7.47$ $\phi_{BC} = 8.25$
	346SS2		$\phi_B = 8.46$ $\phi_{BC} = 9.38$
	346SS3		$\phi_B = 10.23$ $\phi_{BC} = 11.13$
	346SS5		$\phi_B = 11.80$ $\phi_{BC} = 12.75$
	346AKB1		$\phi_B = 4.72$ $\phi_{BC} = 5.40$

**NOTE:** Dimension  $\phi_B$  of the sheave cover should equal dimension  $\phi_D$  of the roller bearing (refer to p.4).