

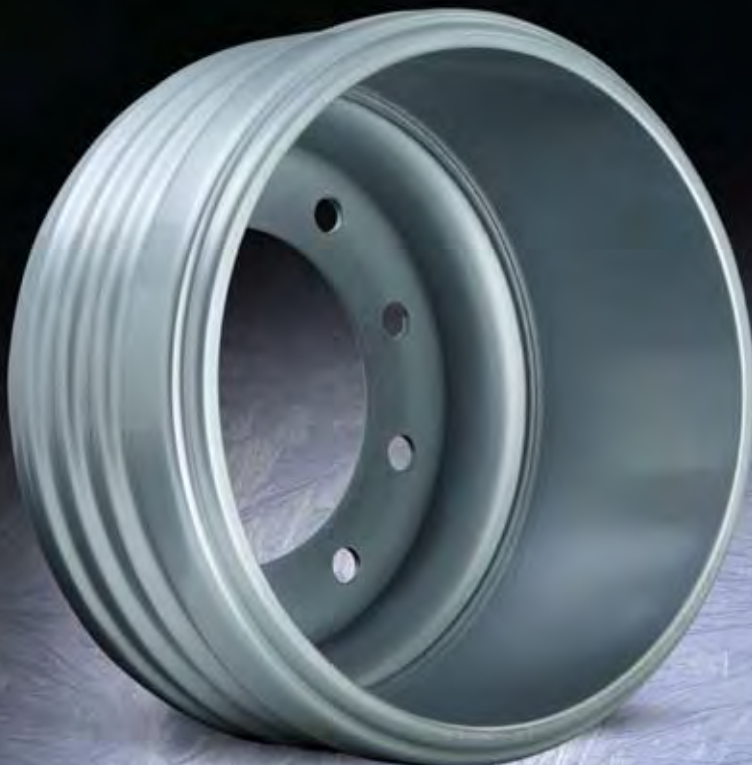


**MERITOR**<sup>®</sup>

An *ArvinMeritor*<sup>™</sup> Brand



***DRUMS, HUBS AND ROTORS  
PRODUCT CATALOG***



PB-2006  
Revised 1/10

# INDEX

<b>Drums, Hubs and Rotors Catalog</b>	<b>Page</b>
Common Problems With Brake Drums .....	8
Drive Axle Hubs.....	27
Drive Flange Studs.....	26
Drum Numerical Listing.....	12
Drums By Brake Size .....	16
Front Axle Hubs.....	58
How To Measure Brake Drums.....	11
How to Use This Catalog .....	4
Lite Weight TN Trailer Hubs.....	101
Lite Weight TP Trailer Hubs .....	98
PreSet® by ArvinMeritor Trailer Hubs.....	103
Rotors.....	22
SteelLite X30™ Brake Drum .....	2
Trailer Hubs.....	94
What Makes A Good Brake Drum.....	5
Wheel Studs .....	25
<b>Cross Reference.....</b>	<b>105</b>
<b>Numerical Parts Listing .....</b>	<b>109</b>



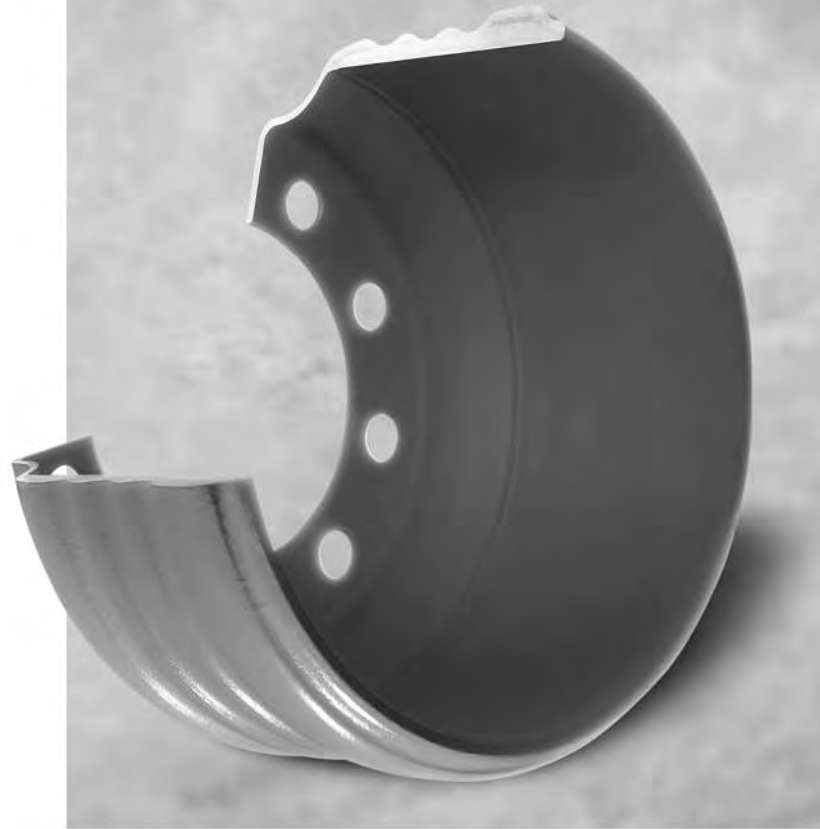
The SteelLite X30™ brake drum sets a new standard in advanced wheel-end design and development. Feature for feature, our SteelLite X30™ brake drum is a superior alternative to any other brake drum available.

## ADVANCED

Fleets who specify the SteelLite X30™ brake drum for medium- and heavy-duty trucks, tractors and trailers will enjoy its considerable advantages, including reliability, balance, weight reduction and lifetime operating cost.

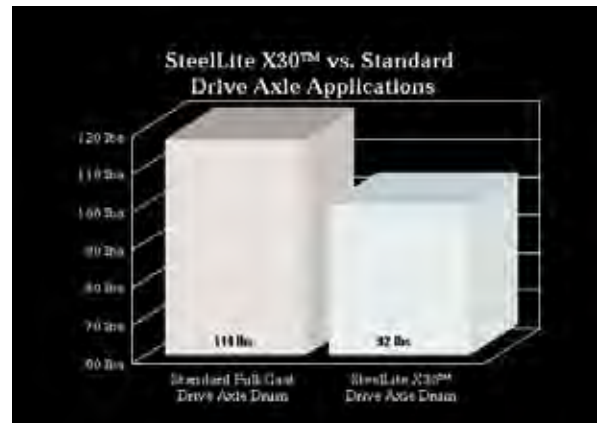
The forming process we use to develop the SteelLite X30™ brake drum produces a one-piece steel shell that provides exceptional strength, durability and concentricity. This design eliminates the need for a weld seam, which can compromise strength or produce weld-induced hard spotting. Our brake drums are also accurately and permanently balanced — without weld weights.

Our centrifugal casting process permanently fuses gray iron braking surface material to the one-piece steel shell. If the braking surface should ever crack due to heat checking, the outer SteelLite X30™ steel shell can help prevent debris from littering the highway.



The one-piece steel shell and cast iron braking surface also provide substantial weight savings over standard full-cast iron drums. In fact, total weight reduction on a typical tandem tractor/trailer combination equipped with the SteelLite X30™ brake drum can be as much as 200 pounds!

## LIGHTWEIGHT





# STEELITE X30™ PREMIUM LIGHTWEIGHT BRAKE DRUMS

**The Industry Leader: Premium Lightweight Brake Drums That Deliver Higher Payloads With Unsurpassed Durability.**

Lightweight, yet with unsurpassed strength, SteelLite X30 drums can reduce vehicle weight by over 200 pounds for a tandem axle tractor/trailer combination\*, increasing miles-per-gallon while allowing for increased payloads. The features and benefits provided by the X30 include:



\*As compared to the use of cast drums with 16 1/2" x 5" front brakes and 16 1/2" x 8 5/8" rear and trailer brakes.

## X30 Features

## X30 Benefits

### Exclusive ArvinMeritor Design

Designed with a one-piece roll-formed shell  
Utilizes our patented Machine-to-Balance process

Delivers superior concentricity and better balance  
Provides exceptional visual appearance (no weld seams or balance weights)  
No balance weights to lose – a condition leading to vibration and component wear issues  
No need to increase drum weight during the balance process

### Lighter-Weight Steel Construction

Combines exceptional strength and durability  
Provides clear weight savings compared to standard full-cast

Reduces risk of disintegration due to breakage  
Increases revenue-producing payload capacity  
Improves fuel economy and reduces operating costs

### Availability

Available in most popular wheel-end configurations and axle ratings

Fits most vehicle specs in your fleet

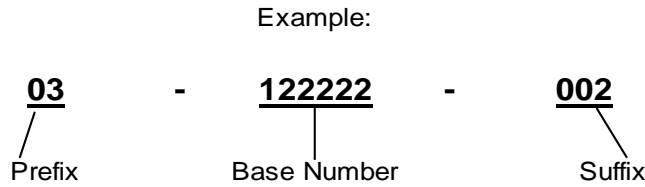
### Certification

Meets or exceeds all OEM and FMVSS requirements

You can spec with confidence

# HOW TO USE THIS CATALOG

The ArinMeritor part numbering system divides as such:



- The prefix indicates the part type. The 03 in the example indicates a cast non-balanced brake drum. The 23 different prefix numbers are used to categorize and describe the part. At present not all of the prefix codes are currently being used, but all are listed for your reference. (See Prefix Code Chart below)  
**This drum, hub and rotor catalog covers prefix codes 03, 04, 05, 08, 09, 13, 14, 15, 16, 17, 23, 53, 85.**
- 122222 base number, when coupled with the prefix, gives the part type and the part dimensional specifications through the numerical part number listing. The base numbers are not all available with all the prefix combinations.
- The suffix, a three digit number, indicates the phase of manufacturing the part is in.

For the current list of ArinMeritor Brake Drum and Rotor part numbers, see the appropriate numerical listing.

This catalog contains cross reference information for:

- |          |                                  |
|----------|----------------------------------|
| • Bendix | • Gunitite                       |
| • Erie   | • Hayes                          |
| • Ford   | • KIC                            |
| • GMC    | • Motor Wheel (centrifuse drums) |
|          | • Webb                           |

PREFIX CODE	DESCRIPTION
03	<b>Brake Drums, Cast Non-Balanced</b>
04	<b>Hub Only - Rear Drive and Trailer</b>
05	<b>Hub Only - Front</b>
08	<b>Rim, Studs, Misc., etc.</b>
09	<b>Hub / Wheel Parts</b>
13	<b>Brake Drums, Cast Weld-to-Balance</b>
14	<b>Hub and Drum Assembly - Rear Drive and Trailer</b>
15	<b>Hub and Drum Assembly Front</b>
16	<b>Hub and Drum Assembly Rear</b>
17	<b>Hub and Drum Assembly Front</b>
23	<b>Rotor</b>
47	Nodular Iron Wheel Rear / Trailer (No Longer Available)
48	Wheel Drum Assembly Rear / Trailer Nodular Iron Wheel (Spoke) (No Longer Available)
53	<b>X-30 Brake Drum</b>
55	Nodular Iron Wheel Front (No Longer Available)
56	Wheel Drum Assembly Front Nodular Iron Wheel (Spoke) (No Longer Available)
57	Wheel Rotor Assembly Front Nodular Iron Wheel (Spoke)
60	Calipers and Kits
69	Brake Supports, etc.
83	X-10 Series Brake Drums / Non-Balanced (No Longer Available)
85	<b>Brake Drums / Machined to Balance (MTB)</b>
93	X-10 Series Brake Drums / Weld to Balance (WTB) (No Longer Available)
95	X-10 Series Brake Drums / Machined to Balance (MTB) (No Longer Available)

# WHAT MAKES A GOOD BRAKE DRUM

There are a number of attributes that differentiate between mediocre and a good brake drum. The following highlights these and what they mean to the end user.

## 1. A HEAT ABSORPTION DEVICE (HEAT SINK)

The braking system in a vehicle converts the vehicle energy of motion into heat energy by means of friction between the brake lining and the brake surface of the brake drum when the vehicle's brakes are applied.

- a). The surrounding parts, such as brake lining, rim, tire, hub, bearings, and drum absorb heat by conduction and radiation.
- b). The surrounding air is heated by convection.

Radiated heat to surrounding parts is small and heat dissipated by convection to the surrounding air is slow relative to the actual time of braking. For these reasons nearly all the braking energy must be stored in the form of heat in the brake drum. This energy is stored by heating the drum material to a higher temperature than the drum temperature prior to the brake application. A heavier drum will store more energy than a light one will. A heavier drum is stronger and more fade resistant.

## 2. A CYLINDRICAL BRAKE LINING INTERFACE

The brake drum moves past a stationary brake lining. When (if) the brake surface does not move past the lining uniformly, the brake drum has run out. This will overstress the brake drum, linings, and attaching hardware, causing variable heating of the brake drum braking surface which results in heat checking, excessive wear of both the drum and lining, pulsing of the brake, and shortened life of both the drum and lining. Also to keep the drum dimensionally stable under these conditions, it must be a relatively heavy brake drum.

A heavy precise brake drum does not reduce the need for linings to fit the drum correctly. If the linings are not contoured to fit properly, the brake will not produce proper braking torque. Poorly contoured linings cause additional mechanical stress in the drum, shoes and lining, and brake hardware. This additional stress hastens failure and greater wear.

Before linings are "burnished" or seated into the brake drum, they may rub on only a few high spots. These superheat the brake drum braking surface in very small areas and can be seen on the brake dynamometer as fire bands. A light brake application will cause this to occur whereas a snub brake application will force the lining against more of the braking surface of the brake drum thus limiting or even eliminating these types of hot spots. If these hot spots are allowed to continue, martensite hot spots will occur, and in turn drum distortion, and very early cracking can happen.

Lining that takes longer to burnish will be more likely to cause hot spotting. Many of the non-asbestos organic linings fall into this category. Since martensite hot spotted brake drums cannot usually be successfully rebored, they usually must be scrapped.

## 3. HIGH STRENGTH, HEAT, AND WEAR RESISTANT BRAKE DRUM MATERIAL

A brake drum must be strong enough to resist the maximum mechanical stress caused by the expanding and self-energized brake shoes at high temperatures. The brake drum's stiffness or resistance to deflection is derived from the thick shell structure and the stiffness of the gray cast iron. Higher tensile strength gray iron does not change the deflection of the brake drum significantly.

Although higher strength iron is more resistance to thermal stress caused by temperature gradients, as a "hot" brake surface and a "cold" outside brake drum diameter. The occurring problem here is the "cold" outside diameter of the brake drum does not want to expand to a bigger diameter, but the "hot" inside diameter of the brake drum does want to expand. The "hot" inner surface is caused to compress or compresses plastically so that it fits within the "cold" outer surface. But as the "hot" inner surface cools, cracks form because the metal was too compressed to return to its original position thus resulting in hairline surface cracks known as heat checks.

## 4. HEAVY ROTATING PARTS THAT IF IMBALANCED CAN SIGNIFICANTLY AFFECT THE VEHICLES RIDE

The mass of a 16.5" x 7" brake drum is concentrated about 9 inches radially from the hub bearing centerline. Unless the brake drum is balanced, it helps excite vibration in trucks and trailers. That is why it is important to use balanced brake drums on all front and rear applications. Most brake drum balancing is done by welding weights to the outside of the drum, but ArvinMeritor pioneered and patented a technique to balance brake drums without welding on balance weights. This is called Machine to Balance (MTB). The industry typically requires front hub/drum or hub/rotor assemblies balanced to 20-in. oz. maximum and rear hub/drum or hub/rotor assemblies balanced to 50-in. oz. maximum.

# WHAT MAKES A GOOD BRAKE DRUM (Cont.)

## 3. SUMMARY: THE BEST BRAKE DRUM FOR OVERALL PERFORMANCE

- Is a relatively heavy brake drum
- Is made from temperature and wear resistant high tensile iron
- Is precisely machined
- Is balanced by machining rather than adding weights

### MAXIMUM BRAKE FACE DIAMETERS

Maximum brake face diameters are indicated on ArvinMeritor Brake drums, i.e., the word “Max. Dia. 15.120 inches 384.05mm” will be found on brake drums with a 15 inch, 381mm nominal brake face diameter. This means that for safe operation the brake face diameter should never exceed 15.120 inches, 384.05mm from machining or wear.

Because we have no way of knowing the number of heat cycles or the severity of the cycles to which the drum has been subjected in actual usage, we do not recommend reboring the brake face diameter. The user is best able to judge whether the drum has sufficient life remaining to justify reboring. The maximum diameters are shown in the chart.

ArvinMeritor has engineered their brake drums to provide safe operation At the maximum brake face diameters, however, ArvinMeritor does not machine these drums to maximum diameters and cannot control the methods that others use to re-machine them after they are put into use.

Do not confuse maximum brake face with maximum rebore diameters. When the drum reaches the maximum brake face diameter, it must be removed from service. There may be some instances where it is a good economic decision to rebore a brake drum but after rebore, there must be some wear life left (at least .040 inches) prior to reaching discard diameter. ArvinMeritor does not recommend reboring brake drums for the following reasons:

1. It usually is not a good economic solution.
2. Reboring does not remove fatigue damage even though it may remove the heat checks.
3. It is very difficult to avoid running brake drums over the maximum brake face diameter.
4. Martensite (hot spots) and distortion caused by it are virtually impossible to remove.
5. Severe corrosion is frequently on the outside of the drum which weakens the drum.

NOMINAL DIA.		MAXIMUM BRAKE FACE DIA.	
Inches	mm	Inches	mm
7.25	185	7.340	186.44
8.00	204	8.090	205.49
9.50	242	9.590	243.59
9.75	248	9.840	249.94
10.00	254	10.090	256.29
11.00	280	11.090	281.69
11.06	281	11.120	282.45
12.00	305	12.090	307.09
12.25	312	12.340	313.44
14.00	356	14.090	357.89
14.50	369	14.620	371.35
15.00	381	15.120	384.05
16.00	407	16.120	409.45
16.25	413	16.370	415.80
16.50	420	16.620	442.15
16.50	420	16.585	421.25
17.00	432	17.120	434.85
17.25	439	17.370	441.20
18.00	458	18.120	462.25
20.00	508	20.120	511.05
20.25	515	20.370	517.40
21.00	534	21.120	536.45

# WHAT MAKES A GOOD BRAKE DRUM (Cont.)

## WHEN SHOULD A BRAKE DRUM BE REPLACED?

The ability of a brake drum to perform safely is affected by a variety of factors. Conditions, which affect the life of brake drums, are listed, although this list is not intended to be all-inclusive it should serve as a useful guide. The brake drum should be replaced when any of these conditions appear.

1. Brake face diameter reaches maximum limit
2. Excessive heat checks
3. Cracks
4. Martensite spotted drums – “hot spots”
5. Worn or elongated bolt holes
6. Galling of brake surface
7. Brake drum known to have been overheated as occurs with dragging brakes
8. Brake drum warped....out of round
9. It may be necessary to replace brake drums in pairs in order to maintain proper brake balance and efficiency.

## RECOMMENDATIONS FOR LONGER BRAKE DRUM AND ROTOR LIFE

When drums are forced to fit onto a hub, there is improper match of parts for installation. The cause must be determined and corrected.

Wheel bearings should be properly adjusted to prevent the drum from picking up the load created by the braking action.

Drums and linings should be checked at periodic intervals to detect operational patterns. The use of non-asbestos organic linings can cause linings to swell and drag resulting in hot spots and lower fuel economy.

Clearance between non-applied brake linings and the drum varies slightly. See the brake system manufacturer's recommendations for this adjustment. Proper clearance prevents excessively hot linings and drums and improves fuel economy.

Parking brakes should not be set while the drums are hot. Allow them to cool, otherwise, drum cracking and failure can result.

## DRUM FAILURE ANALYSIS

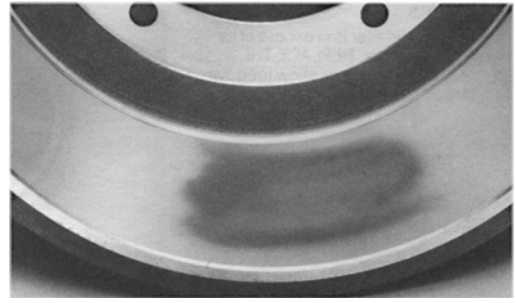
Regular and thorough inspection of your brake system is the best investment you can make for low cost per mile brake operation. Be sure you have a standard inspection timetable and follow it. The following pages list common problems you should be alert for.



# COMMON PROBLEMS WITH BRAKE DRUMS

## Grease Stained Drums

Brake drums with discolored spots on the braking surface, and oil or grease splattered on the brake assembly indicates over-lubrication of the cam or camshaft, or by an oil seal failure. Correct this problem. By repairing the source of the oil or grease leak, clean the drum and replace soaked linings.



## Cracked Drums

A drum which has cracked completely through a section of the braking surface **must be replaced immediately**. **A cracked drum is not repairable!** Cracked drums are caused by one or more of the following:

1. Excessive heating and cooling
2. Excessive shoe pressure

Repeated cracking of this type may indicate one or more of the following:

1. Dragging brakes
2. Inadequately designed drums for the application
3. Inadequately designed braking system for the application
4. Incorrect brake balance of the vehicle
5. Driver abuse



The total braking system of the vehicle should be checked thoroughly, paying attention to the following:

1. Proper friction ratings
2. Proper valving and plumbing
3. Proper brake balance
4. Missing linings and/or brake system components.

## Heat Checking

A broken network of fine hairline cracks on the braking surface of the drum, is a normal phenomenon of braking surfaces. It is caused by regular heating and cooling of the surface. Heat checking does not impair brake performance; but you should examine heat checks frequently to make sure they have not grown deep enough to weaken the drum.



## Oversized Drums

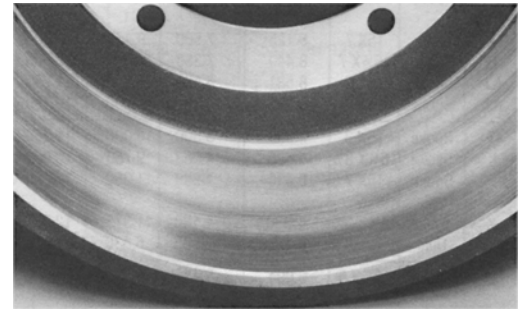
If the brake surface diameter is in excess of it's specified maximum diameter, **replace the drum immediately**. It may be necessary to replace drums in pairs to assure proper brake drum balance and braking efficiency. If the linings show irregular wear replace them.



## COMMON PROBLEMS WITH BRAKE DRUMS (Cont.)

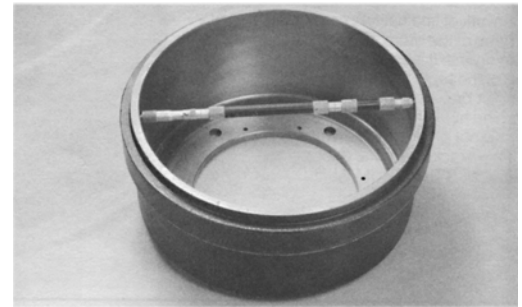
### Scored Drums

Scored drums are signified by circumferential grooves on the braking surface and excessive lining wear. If the scoring is not deeper than the maximum rebores diameter, the drum may be rebored and returned to service. The linings should be replaced and the braking system should be checked to make sure excessive amounts of abrasive material are not entering into the lining-drum contact area. If the scoring is deeper than the maximum rebores diameter, **replace the drum immediately.**



### Out-Of-Round Drums

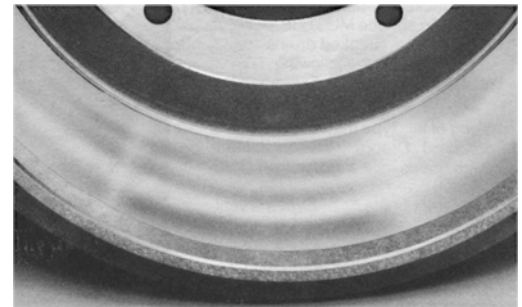
Variations in drum diameter at different points on the braking surface indicate out-of-round drums. The drum should be machined within allowable rebores limits to restore concentricity. Do not exceed the maximum rebores limit of turned drums, and replace drums which are worn beyond their specified maximum diameter. If you are unable to restore concentricity by reboring the drum, **replace it with a new one.** It may be necessary to replace drums in pairs to assure proper brake drum balance and braking efficiency.



### Excessive Wear and Galling

Excessive wear along the edges of the lining contact area, or in areas coinciding with the rivet holes of the lining, is usually caused by abrasive material collecting between the lining and the drum/rotor. Remove the abrasive material from the system and check the drum for scoring. If the brake drum is scored beyond the maximum limit, **replace the drum immediately.** Install dust shields to restrict the amount of abrasive material which can enter the braking system.

Excessive wear can also be caused by misaligned brake shoes. If the shoes are not "square" to the braking surface, uneven forces are applied. This can result in deep grooves in the braking surface. If the brake drum is scored beyond the maximum limit, **replace the drum immediately.** Correct the brake shoe alignment to alleviate further grooving. Brake drum galling in an abnormal wear pattern is due to initial incompatibility between the brake drum lining and the brake surface. This condition may correct itself due to brake drum and lining wear. If severe, consider replacing the lining and/or the brake drum.



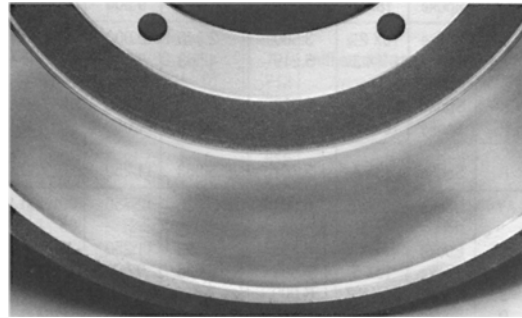
## COMMON PROBLEMS WITH BRAKE DRUMS (Cont.)

### Blue Drums

A bluish disfiguration on the brake parts (shoes, drums/rotors or bolts) indicates excessive heat.

This is usually caused by an oversized brake surface diameter/undersized rotor width or by weak or broken return springs.

For drums, check the braking surface diameter. If it is oversized, **replace the drum immediately**. If the return springs are weak or broken, replace them.

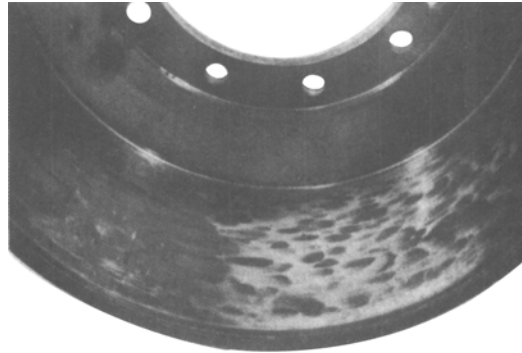


### Martensite Spotted Drums

Martensite spotted drums have extremely hard, slightly raised, dark colored spots on the braking surface, shown uneven wear and the surface is out-of-round. This condition may cause excessive noise or shudder during brake applications. Unless this is detected very early, the brake drum should be scrapped.

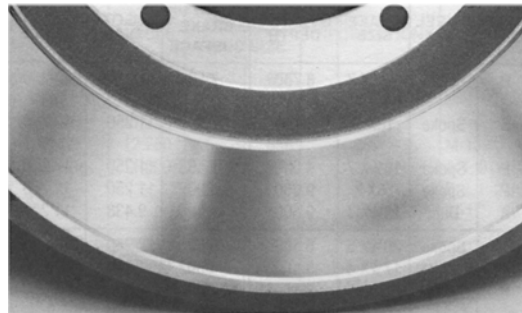
The spots are caused by very light brake applications with non-asbestos organic linings that are contacting the drum at a few lining high spots. To avoid this problem, change braking technique to snubs rather than light dragging stops or ensure the lining fits the drum contour uniformly when it is new.

Attempts to rebores a drum to remove the spots will usually aggravate an already bad situation, and if the drum is allowed to stay in service, cracks will connect between the martensite spots leading to brake drum failure. If the brake lining and drum are replaced and the same brake application techniques are used, the results will likely be the same. If only the drum is replaced, it may not develop these spots (as the high points are worn down).






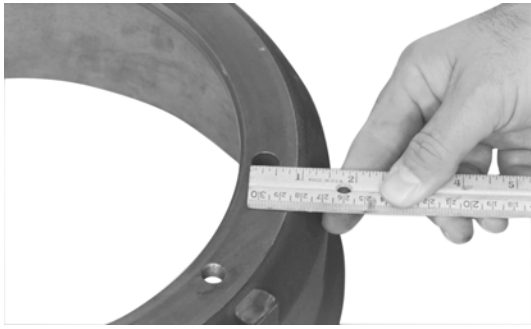


### Polished Drums

A polished brake drum/rotor is characterized by a mirror-like finish on its braking surface. Correct this problem by removing the gloss with 80 grit emery cloth. If the problem recurs, check the linings to make sure they are the proper friction rating. If the linings are glazed, consult the vehicle manufacturer for the proper lining material.


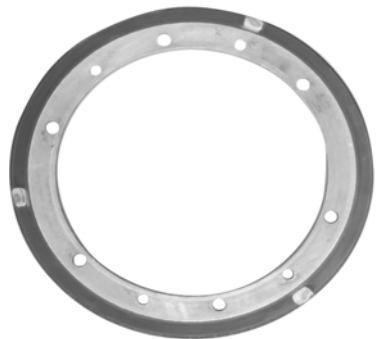


# HOW TO MEASURE BRAKE DRUMS

## IDENTIFY REQUIRED DRUM BY MEASURING:

<p>Brake Surface Diameter</p> 	<p>Bolt Circle Diameter</p> 
<p>Brake Surface Width</p> 	<p>Size of Bolt Holes</p> 
<p>Overall Depth</p> 	<p>Pilot Diameter</p> 

## CHECK THIS INFORMATION:

<p>Number of bolt holes Slots in the back of the drum for wheel spoke clearance</p> 	<p>Drilled and tapped holes for skid control exciter</p> 
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# DRUM NUMERICAL LISTING

## CAST BRAKE DRUMS - NON-BALANCED

PART NUMBER	WEIGHT	WHEEL TYPE	BRAKE SIZE	OVER-ALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		COMMENTS
								NO.	SIZE	
03-012480-002	112	Spoke	16.50" x 7.00"	9.00"	7.60"	11.25"	12.75"	6	.66"	
03-012488-002	135	Spoke	18.00" x 7.00"	9.25"	8.00"	11.25"	12.75"	6	.66"	
03-012582-002	118	Disc	16.50" x 7.00"	9.50"	7.56"	9.44"	11.25"	10	.84"	
03-120376-002	131	Spoke/Disc	16.50" x 8.63"	10.25"	9.22"	9.50"	11.25"	10	.84"	
03-120442-002	106	Spoke	16.50" x 7.00"	8.65"	7.50"	11.00"	12.50"	5	.66"	
03-120459-002	60	Spoke	15.00" x 3.50"	5.31"	4.19"	10.00"	11.25"	5	.53"	
03-120516-002	83	Spoke	15.00" x 6.00"	7.09"	6.50"	9.44"	11.00"	5	.66"	
03-120517-002	76	Spoke	15.00" x 5.00"	6.59"	5.56"	9.44"	11.00"	5	.66"	
03-120553-002	74	Disc	15.00" x 5.00"	7.22"	5.50"	6.25"	8.75"	6	.84"	
03-120566-002	57	Disc	15.00" x 4.00"	6.41"	4.66"	6.25"	8.75"	6	.84"	
03-120574-002	103	Spoke	16.50" x 7.00"	8.72"	7.56"	11.25"	12.75"	5	.78"	
03-120586-002	116	Spoke	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	5/6	.78/.66"	
03-120705-002	37	Spoke	15.00" x 3.00"	4.13"	3.56"	10.00"	11.00"	5	.53"	
03-120743-002	99	Spoke	16.50" x 7.00"	7.94"	7.31"	11.00"	12.75"	6	.66"	
03-120754-002	103	Spoke	16.50" x 7.00"	8.44"	7.38"	11.00"	12.50"	5/6	.66/.66"	
03-120822-002	62	Spoke	12.25" x 7.50"	8.81"	8.00"	8.50"	10.00"	6	.66"	
03-120855-002	92	Spoke	16.50" x 5.00"	6.12"	5.37"	9.25"	11.25"	6	.78"	
03-120877-002	115	Disc	16.50" x 7.00"	10.69"	7.53"	9.44"	11.25"	10	.84"	
03-120882-002	127	Disc	16.50" x 8.63"	11.16"	9.06"	9.44"	11.25"	10	.81"	
03-120936-002	132	Spoke	18.00" x 7.00"	8.25"	7.44"	11.00"	12.75"	6	.66"	
03-120981-002	76	Disc	15.00" x 4.00"	7.84"	4.44"	8.66"	11.25"	10	1.27"	Outboard mount
03-120988-002	86	Disc	16.50" x 5.00"	8.58"	5.48"	8.66"	11.25"	10	1.27"	Outboard mount
03-122009-002	105	Spoke	16.50" x 7.00"	8.65"	7.65"	10.50"	12.75"	5	.78"	
03-122011-002	89	Spoke	15.00" x 7.00"	8.51"	7.36"	10.50"	12.75"	5	.78"	
03-122027-002	120	Spoke	16.50" x 7.00"	8.94"	7.63"	9.50"	11.25"	5	.78"	
03-122078-002	66	Spoke	15.00" x 4.00"	5.26"	4.31"	9.50"	11.25"	6	.78"	
03-122104-002	64	Spoke	15.00" x 4.00"	5.84"	4.54"	9.25"	11.25"	6	.78"	
03-122126-002	117	Spoke/Disc	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	10	.84"	
03-122222-002	108	Spoke	16.50" x 7.00"	8.41"	7.63"	9.44"	11.00"	5/6	.78/.66"	
03-122239-002	119	Disc	16.50" x 7.00"	8.94"	7.63"	9.50"	11.25"	10	.84"	Notched for ABS
03-122290-002	119	Spoke	16.50" x 7.00"	8.94"	7.63"	9.50"	11.25"	6	.78"	Notched for ABS
03-122314-002	45	Spoke	15.00" x 3.00"	4.69"	3.50"	6.45"	8.00"	5	.66"	
03-122453-002	112	Disc	16.50" x 7.00"	10.38"	7.44"	8.53"	11.25"	10	.81"	
03-122455-002	109	Spoke	16.50" x 7.00"	8.03"	7.44"	14.25"	12.75"	5/6	.66/.66"	
03-122488-002	54	Spoke	12.25" x 5.50"	7.44"	6.53"	8.50"	10.00"	6/6	.66/.66"	
03-122513-002	127	Disc	16.50" x 8.63"	12.27"	9.33"	9.44"	11.25"	10	.84"	Outboard mount
03-122518-002	102	Disc	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	10	.81"	Std weight - 03-122126
03-122529-002	88	Disc	15.00" x 4.00"	8.86"	4.53"	8.75"	11.25"	10	1.28"	Outboard mount
03-122550-002	106	Disc	16.50" x 7.00"	10.59"	7.75"	9.00"	11.25"	10	.81"	
03-122561-002	73	Disc	15.00" x 5.00"	7.99"	5.72"	6.44"	8.75"	10	.78"	
03-122562-002	72	Disc	15.00" x 5.00"	7.99"	5.72"	6.44"	8.75"	6	.84"	
03-122575-002	60	Spoke	15.00" x 4.00"	5.54"	4.44"	9.19"	11.25"	5/6	.66/.66"	
03-122600-002	106	Spoke	16.50" x 7.00"	7.94"	7.31"	11.00"	12.75"	5/6	.66"	
03-122603-002	103	Spoke	16.50" x 7.00"	8.75"	7.50"	9.44"	11.00"	5	.78"	
03-122607-002	117	Disc	16.50" x 7.00"	10.63"	7.82"	8.53"	11.25"	10	.81"	
03-122683-002	106	Spoke	16.50" x 7.00"	8.45"	7.39"	11.25"	12.75"	5/6	.78/.78"	
03-122806-002	96	Disc	15.00" x 7.00"	10.92"	7.50"	6.45"	8.75"	6	.81"	
03-122921-002	84	Disc	15.00" x 4.00"	8.98"	5.09"	8.75"	11.25"	10	.81"	
03-122925-002	109	Spoke	16.50" x 7.00"	8.03"	7.44"	14.25"	12.75"	5	.78"	
03-122947-002	61	Spoke	15.00" x 4.00"	5.60"	4.68"	11.00"	12.75"	6	.78"	
03-122948-002	116	Disc	16.50" x 7.00"	10.31"	7.64"	9.00"	11.25"	10	.81"	
03-122963-002	66	Spoke	12.25" x 7.50"	8.81"	8.00"	8.50"	10.00"	6/6	.66/.66"	
03-122964-002	61	Spoke	15.00" x 4.00"	5.56"	4.69"	11.00"	12.75"	5	.78"	

# DRUM NUMERICAL LISTING

## CAST BRAKE DRUMS - NON-BALANCED

PART NUMBER	WEIGHT	WHEEL TYPE	BRAKE SIZE	OVER-ALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		COMMENTS
								NO.	SIZE	
03-122966-002	96	Disc	16.50" x 5.00"	9.63"	5.74"	8.75"	11.25"	10	.81"	
03-122971-002	82	Spoke	12.25" x 7.50"	9.00"	7.88"	7.00"	8.25"	6/6	.53/.66"	
03-122978-002	112	Disc	16.50" x 7.00"	10.63"	7.82"	8.53"	11.25"	10	.81"	Outboard mount; hub requires a .25" x 450 chamfer - do not substitute 03-122607
03-123020-002	69	Disc	15.00" x 4.00"	7.84"	4.44"	8.78"	11.25"	10	1.27"	Uni-mount version of 03-120981
03-123024-002	82	Disc	15.00" x 4.00"	8.87"	4.53"	11.25"	13.19"	10	.94"	335mm Bolt Circle for use with hub piloted systems only
03-123025-002	122	Disc	16.50" x 7.00"	10.59"	7.75"	11.25"	13.19"	10	.94"	335mm Bolt Circle for use with hub piloted systems only
03-123200-002	109	Spoke	16.50" x 7.00"	8.65"	7.65"	10.50"	12.75"	6	.78"	
03-123207-002	112	Disc	16.50" x 7.00"	10.54"	7.46"	8.78"	11.25"	10	1.02"	Outboard mount
03-123219-002	90	Disc	16.50" x 5.00"	9.16"	5.54"	11.25"	13.19"	10	.94"	335mm Bolt Circle for use with hub piloted systems only
03-123254-002	79	Disc	15.00" x 4.00"	8.79"	4.65"	8.78"	11.25"	10	1.25"	
03-123276-002	96	Disc	15.00" x 7.00"	10.92"	7.50"	8.99"	10.83"	8	.84"	275mm Bolt Circle
03-123297-002	123	Disc	16.50" x 7.00"	10.31"	7.63"	9.00"	11.25"	10	.84"	
03-123302-002	109	Disc	16.50" x 6.00"	9.75"	6.63"	11.25"	13.19"	10	.94"	335mm Bolt Circle for use with hub piloted systems only
03-123331-002	84	Disc	15.00" x 6.00"	8.79"	6.75"	8.99"	10.83"	8	.84"	275mm Bolt Circle
03-123332-002	73	Disc	15.00" x 7.00"	8.02"	5.47"	8.99"	10.82"	8	.84"	
03-123365-002	122	Disc	16.50" x 7.00"	10.59"	7.75"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle. Heavy duty version of 03-123207.
03-123366-002	70	Disc	15.00" x 4.00"	8.85"	4.56"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle
03-123382-002	69	Disc	15.00" x 4.00"	8.85"	4.75"	8.78"	11.25"	10	1.28"	Heavy duty version of 03-123420
03-123383-002	63	Disc	16.50" x 5.00"	9.14"	5.50"	8.78"	11.25"	10	1.28"	
03-123396-002	84	Disc	15.00" x 4.00"	8.97"	5.09"	8.78"	11.25"	10	.94"	
03-123397-002	123	Disc	16.50" x 7.00"	10.31"	7.64"	8.78"	11.25"	10	.94"	
03-123398-002	111	Disc	16.50" x 7.00"	9.50"	7.56"	8.44"	11.25"	10	.84"	
03-123399-002	107	Disc	16.50" x 6.00"	9.81"	6.69"	8.78"	11.25"	10	1.28"	
03-123406-002	142	Disc	16.50" x 8.63"	11.98"	9.13"	8.78"	11.25"	10	.94"	Outboard mount; 285.75mm Bolt Circle; heavy duty 03-122513
03-123409-002	123	Disc	16.50" x 7.00"	10.59"	7.75"	9.00"	10.83"	8	.94"	
03-123420-002	75	Disc	15.00" x 4.00"	8.85"	4.66"	8.78"	11.25"	10	1.28"	
03-123421-002	76	Disc	15.00" x 4.00"	8.85"	4.66"	8.78"	11.25"	10	.94"	Heavy Duty 03-123366-002
03-123427-002	142	Disc	16.50" x 6.00"	7.49"	6.69"	11.25"	12.75"	6	.78"	
03-123428-002	142	Disc	16.50" x 8.63"	12.33"	9.48"	8.78"	11.25"	10	.94"	
03-123430-002	105	Spoke	16.50" x 7.00"	8.65"	7.65"	10.50"	12.75"	5/6	.78/.78"	Double-drilled 03-122009 and 03-123200
03-123431-002	65	Spoke	15.00" x 4.00"	5.84"	4.75"	9.25"	11.25"	6	.78"	Similar to 03-122104 except .25" deeper
03-123448-002	74	Disc	15.00" x 4.00"	9.10"	4.65"	8.78"	11.25"	10	1.28"	
03-123466-002	121	Disc	15.00" x 8.63"	12.20"	8.83"	8.78"	11.25"	10	1.00"	
03-123493-002	90	Disc	15.00" x 6.00"	8.81"	6.75"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle. Axle capacity 15,000 lbs.
03-123500-002	89	Spoke /Disc	16.50" x 5.00"	6.41"	5.44"	10.00"	12.75"	5/6/7	.78"	Double-drilled 03-122266 and 03-122267
03-123520-002	128	Disc	16.50" x 8.00"	11.09"	8.90"	8.78"	11.25"	10	.94"	Axle capacity 23,000 lbs.
03-123538-002	100	Disc	16.50" x 5.00"	8.58"	5.48"	8.78"	11.25"	10	.94"	



# DRUM NUMERICAL LISTING

## STEELLITE X-30 BRAKE DRUMS

PART NUMBER	WEIGHT	WHEEL TYPE	BRAKE SIZE	OVER-ALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		AXLE CAPACITY
								NO.	SIZE	
53-123512-002	62	Disc	15.00" x 4.00"	8.60"	4.86"	8.78"	285.75mm	10	1.25"	13,200 lbs.
53-123535-002	95	Disc	16.50" x 8.00"	10.96"	8.62"	8.78"	285.75mm	10	.94"	23,000 lbs.
53-123537-002	94	Disc	16.50" x 7.00"	10.38"	7.87"	8.78"	285.75mm	10	.94"	23,000 lbs.
53-123542-002	63	Disc	15.00" x 4.00"	8.89"	7.76"	8.78"	285.75mm	10	1.25"	13,200 lbs.
53-123544-002	102	Disc	16.50" x 8.63"	11.04"	9.15"	8.78"	11.25"	10	.93"	23,000 lbs.
53-123564-002	94	Disc	16.50" x 7.00"	10.38"	7.86"	8.53"	11.25"	10	.81"	23,000 lbs.
53-123565-002	93	Disc	16.50" x 7.00"	10.38"	7.86"	9.00"	11.25"	10	.81"	23,000 lbs.
53-123566-002	93	Disc	16.50" x 7.00"	10.38"	7.86"	9.00"	275mm	8	.92"	23,000 lbs.
53-123567-002	63	Disc	15.00" x 4.00"	8.64"	5.11"	8.78"	285.75mm	10	.96"	13,200 lbs.
53-123568-002	64	Disc	15.00" x 4.00"	8.89"	4.76"	8.78"	285.75mm	10	.96"	13,200 lbs.
53-123575-002	64	Disc	15.00" x 4.00"	8.89"	4.76"	8.99"	275mm	8	.94"	13,200 lbs.
53-123579-002	106	Disc	16.50" x 8.63"	12.15"	9.38"	9.00"	275mm	8	.94"	23,000 lbs.
53-123580-002	106	Disc	16.50" x 8.63"	12.15"	9.38"	8.53"	11.25"	10	.81"	23,000 lbs.
53-123581-002	106	Disc	16.50" x 8.63"	12.15"	9.38"	8.78"	285.75mm	10	.94"	23,000 lbs.
53-123582-002	91	Disc	16.50" x 7.00"	10.04"	7.27"	8.53"	11.25"	10	.81"	23,000 lbs.
53-123583-002	89	Disc	16.50" x 7.00"	10.04"	7.27"	8.78"	285.75mm	10	.94"	23,000 lbs.
53-123588-002	79	Disc	16.50" x 5.00"	9.22"	5.82"	9.00"	275mm	8	.94"	14,600 lbs.
53-123589-002	79	Disc	16.50" x 5.00"	9.22"	5.82"	8.78"	11.25"	10	1.28"	14,600 lbs.
53-123590-002	79	Disc	16.50" x 5.00"	9.22"	5.82"	8.53"	11.25"	10	1.28"	14,600 lbs.
53-123592-002	80	Disc	15.00" x 7.00"	10.22"	7.42"	8.53"	11.25"	10	.81"	20,000 lbs.
53-123598-002	70	Disc	15.00" x 5.00"	9.53"	5.81"	8.78"	11.25"	10	1.28"	14,000 lbs.
53-123600-002	70	Disc	15.00" x 5.00"	9.53"	5.81"	8.78"	285.75mm	10	.94"	14,000 lbs.
53-123601-002	91	Disc	15.00" x 8.63"	11.44"	9.11"	8.78"	285.75mm	10	.94"	20,000 lbs.
53-123602-002	91	Disc	15.00" x 8.63"	11.44"	9.11"	9.00"	275mm	8	.94"	20,000 lbs.
53-123605-002	77	Disc	16.50" x 5.00"	8.59"	5.87"	8.53"	11.25"	10	1.28"	14,600 lbs.
53-123606-002	77	Disc	16.50" x 5.00"	8.59"	5.87"	8.78"	11.25"	10	1.28"	14,600 lbs.
53-123607-002	87	Disc	16.50" x 6.00"	9.62"	6.68"	8.78"	285.75mm	10	.94"	20,000 lbs.
53-123608-002	87	Disc	16.50" x 6.00"	9.62"	6.68"	8.78"	11.25"	10	1.28"	20,000 lbs.
53-123609-002	93	Disc	15.00" x 4.00"	8.89"	4.57"	8.53"	11.25"	10	1.28"	
53-123627-002	86	Disc	16.50" x 5.00"	8.79"	5.11"	8.78"	11.25"	10	1.28"	

## CAST BRAKE DRUMS - BALANCED -- MACHINE-TO-BALANCE (MTB)

PART NUMBER	WEIGHT	WHEEL TYPE	BRAKE SIZE	OVER-ALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		COMMENTS
								NO.	SIZE	
85-120516-002	78	Spoke	15.00" x 6.00"	7.09"	6.50"	9.44"	11.00"	5	.66"	
85-120517-002	76	Spoke	15.00" x 5.00"	6.59"	5.56"	9.44"	11.00"	5	.66"	
85-120586-002	115	Spoke	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	6	.66"	
85-120855-002	92	Spoke	16.50" x 5.00"	6.12"	5.37"	9.25"	11.25"	6	.78"	
85-120877-002	115	Disc	16.50" x 7.00"	10.69"	7.53"	9.44"	11.25"	10	.84"	
85-122009-002	104	Spoke	16.50" x 7.00"	8.65"	7.65"	10.50"	12.75"	5	.78"	
85-122011-002	89	Spoke	15.00" x 7.00"	8.51"	7.36"	10.50"	12.75"	5	.78"	
85-122103-002	118	Spoke	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	5	.78"	
85-122266-002	89	Spoke	16.50" x 5.00"	6.41"	5.44"	10.00"	12.75"	6	.78"	
85-122505-002	73	Spoke	15.00" x 4.00"	7.90"	4.50"	9.44"	11.25"	10	.81"	
85-122518-002	102	Disc	16.50" x 7.00"	8.75"	7.50"	9.50"	11.25"	10	.81"	
85-122550-002	106	Disc	16.50" x 7.00"	10.59"	7.75"	9.00"	11.25"	10	.81"	
85-122600-002	107	Spoke	16.50" x 7.00"	7.94"	7.31"	11.00"	12.75"	5/6	.66/.66"	
85-122683-002	106	Spoke	16.50" x 7.00"	8.45"	7.39"	11.25"	12.75"	5/6	.78/.78"	
85-122921-002	84	Disc	15.00" x 4.00"	8.98"	5.09"	8.75"	11.25"	10	.81"	
85-122947-002	61	Spoke	15.00" x 4.00"	5.60"	4.68"	11.00"	12.75"	6	.78"	
85-122948-002	116	Disc	16.50" x 7.00"	10.31"	7.64"	9.00"	11.25"	10	.81"	
85-122954-002	79	Spoke	16.50" x 5.00"	6.57"	6.01"	11.00"	12.75"	6	.78"	

# DRUM NUMERICAL LISTING

## CAST BRAKE DRUMS - BALANCED -- MACHINE-TO-BALANCE (MTB)

PART NUMBER	WEIGHT	WHEEL TYPE	BRAKE SIZE	OVER-ALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		COMMENTS
								NO.	SIZE	
85-122964-002	61	Spoke	15.00" x 4.00"	5.56"	4.69"	11.00"	12.75"	5	.78"	
85-122966-002	96	Disc	16.50" x 5.00"	9.63"	5.74"	8.75"	11.25"	10	.81"	
85-123200-002	109	Spoke	16.50" x 7.00"	8.65"	7.65"	10.50"	12.75"	6	.78"	
85-123203-002	90	Spoke	15.00" x 7.00"	8.51"	7.36"	10.50"	12.75"	6	.78"	
85-123207-002	111	Disc	16.50" x 7.00"	10.54"	7.46"	8.78"	11.25"	10	1.02"	
85-123254-002	69	Disc	15.00" x 4.00"	8.85"	4.46"	8.78"	11.25"	10	1.28"	
85-123276-002	96	Disc	15.00" x 7.00"	10.92"	7.50"	8.99"	11.25"	8	.84"	275MM Bolt Circle
85-123297-002	119	Disc	16.50" x 7.00"	10.31"	7.64"	9.00"	11.25"	10	.85"	
85-123331-002	85	Disc	15.00" x 6.00"	8.79"	6.75"	8.99"	10.83"	8	.84"	275mm Bolt Circle
85-123332-002	71	Disc	15.00" x 5.00"	8.02"	5.47"	8.99"	10.83"	8	.84"	275mm Bolt Circle
85-123345-002	68	Disc	15.00" x 4.00"	8.76"	4.64"	8.99"	10.83"	8	.84"	Ford application
85-123348-002	104	Spoke	16.50" x 7.00"	10.92"	7.75"	8.99"	10.83"	8	.84"	
85-123365-002	122	Disc	16.50" x 7.00"	10.59"	7.75"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle. Heavy duty version of 85-123203
85-123366-002	70	Disc	15.00" x 4.00"	8.85"	4.56"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle
85-123370-002	114	Disc	16.50" x 5.00"	9.14"	5.50"	8.78"	11.25"	10	.94"	
85-123382-002	67	Disc	15.00" x 4.00"	8.85"	4.75"	8.78"	11.25"	10	1.28"	
85-123383-002	96	Disc	16.50" x 5.00"	9.14"	5.50"	8.78"	11.25"	10	1.28"	
85-123396-002	84	Disc	15.00" x 4.00"	8.97"	5.09"	8.78"	11.25"	10	.94"	
85-123397-002	116	Disc	16.50" x 7.00"	10.31"	7.63"	8.78"	11.25"	10	.94"	
85-123399-002		Disc	16.50" x 6.00"	9.81"	6.69"	8.78"	11.25"	10	1.28"	
85-123400-002	105	Disc	16.50" x 6.00"	9.81"	6.69"	8.78"	11.25"	10	.94"	285.75mm Bolt Circle
85-123406-002	142	Disc	16.50" x 8.63"	11.98"	9.13"	8.78"	11.25"	10	.94"	Outboard mount; 285.75mm Bolt Circle; heavy duty 03-122513
85-123409-002	123	Disc	16.50" x 7.00"	10.59"	7.75"	9.00"	10.83"	8	.94"	275mm Bolt Circle
85-123420-002	98	Disc	15.00" x 4.00"	8.85"	4.66"	8.78"	11.25"	10	1.28"	
85-123421-002	76	Disc	15.00" x 4.00"	8.85"	4.66"	8.78"	11.25"	10	.94"	Heavy Duty 03-123366-002
85-123427-002	93	Spoke	16.50" x 6.00"	7.49"	6.69"	11.25"	12.75"	6	.78"	
85-123428-002	142	Disc	16.50" x 8.63"	12.33"	9.48"	8.78"	11.25"	10	.94"	
85-123431-002	65	Spoke	15.00" x 4.00"	5.84"	4.75"	9.25"	11.25"	6	.78"	
85-123444-002	85	Disc	15.00" x 4.00"	9.10"	4.65"	9.00"	10.83"	8	.94"	
85-123448-002	107	Disc	15.00" x 4.00"	9.10"	4.65"	8.78"	11.25"	10	1.28"	
85-123463-002	97	Disc	16.50" x 5.00"	9.63"	5.74"	8.78"	11.25"	10	.94"	GMC application
85-123465-002	90	Disc	15.00" x 5.00"	10.08"	6.34"	8.78"	11.25"	10	.94"	
85-123466-002	121	Disc	15.00" x 8.63"	12.20"	9.58"	8.78"	11.25"	10	.94"	
85-123470-002	135	Disc	15.00" x 8.63"	11.76"	9.58"	9.00"	10.93"	8	.94"	
85-123520-002	124	Disc	16.50" x 8.00"	11.09"	8.91"	8.78"	11.25"	10	.94"	Axle capacity 23,000 lbs.
85-123548-002	110	Disc	15.00" x 7.00"	10.18"	7.56"	8.70"	10.83"	8	.85"	275mm Bolt Circle
85-123553-002	90	Disc	15.00" x 4.00"	9.07"	4.72"	11.06"	13.19"	10	1.02"	335mm Bolt Circle
85-123556-002	123	Disc	16.50" x 6.00"	9.51"	6.61"	8.78"	11.25"	10	.94"	
85-123561-002	115	Disc	16.50" x 6.00"	9.83"	6.82"	11.71"	13.73"	10	.98"	
85-123569-002	85	Disc	16.50" x 6.00"	9.91"	6.88"	9.14"	11.25"	10	1.33"	
85-123570-002	138	Disc	16.50" x 8.63"	11.25"	9.11"	8.78"	11.25"	10	.94"	
85-123650-002	122	Disc	16.50" x 6.00"	9.51"	6.61"	8.78"	11.25"	10	1.28"	
85-123651-002		Disc	16.50" x 6.00"	9.73"	6.61"	8.78"	11.25"	10	1.28"	
85-123652-002	123	Disc	16.50" x 7.00"	10.54"	7.60"	8.78"	11.25"	10	1.00"	
85-123657-002	128	Disc	16.50" x 6.00"	9.88"	6.98"	8.78"	11.25"	10	.94"	
85-123660-002	100		16.50" x 6.00"	9.52"	6.07"	8.78"	11.25"	10	.94"	
85-123681-002	85	Disc	15.00" x 6.00"	9.32"	6.29"	8.78"	11.25"	10	1.28"	

# DRUMS BY BRAKE SIZE

## 12.25" X 5.50"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
7.44"	6.53"	8.50"	10.00"	6/6	.66/.66"	54	03-122488-002	Spoke

## 12.25" X 7.50"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
8.81"	8.00"	8.50"	10.00"	6	.66"	62	03-120822-002	Spoke
8.81"	8.00"	8.50"	10.00"	6/6	.66/.66"	66	03-122963-002	Spoke
9.00"	7.88"	7.00"	8.25"	6/6	.53/.66"	82	03-122971-002	Spoke

## 15.00" X 3.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
4.13"	3.56"	10.00"	11.00"	5	.53"	37	03-120705-002	Spoke
4.69"	3.50"	6.45"	8.00"	5	.66"	45	03-122314-002	Spoke

## 15.00" X 3.50"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
5.31"	4.19"	10.00"	11.25"	5	.53"	60	03-120459-002	Spoke

## 15.00" X 4.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
5.26"	4.31"	9.50"	11.25"	6	.78"	66	03-122078-002	Spoke
5.54"	4.44"	9.19"	11.25"	5/6	.66/.66"	60	03-122575-002	Spoke
5.56"	4.69"	11.00"	12.75"	5	.78"	61	03-122964-002	Spoke
5.56"	4.69"	11.00"	12.75"	5	.78"	61	85-122964-002	Spoke
5.60"	4.68"	11.00"	12.75"	6	.78"	61	85-122947-002	Spoke
5.60"	4.68"	11.00"	12.75"	6	.78"	61	03-122947-002	Spoke
5.84"	4.54"	9.25"	11.25"	6	.78"	64	03-122104-002	Spoke
5.84"	4.75"	9.25"	11.25"	6	.78"	65	03-123431-002	Spoke
5.84"	4.75"	9.25"	11.25"	6	.78"	65	85-123431-002	Spoke
6.41"	4.66"	6.25"	8.75"	6	.84"	57	03-120566-002	Disc
7.84"	4.44"	8.66"	11.25"	10	1.27"	76	03-120981-002	Disc
7.84"	4.44"	8.78"	11.25"	10	1.27"	69	03-123020-002	Disc
7.90"	4.50"	9.44"	11.25"	10	.81"	73	85-122505-002	Spoke
8.60"	4.86"	8.78"	285.75mm	10	1.25"	62	53-123512-002	Disc
8.64"	5.11"	8.78"	285.75mm	10	.96"	63	53-123567-002	Disc
8.76"	4.64"	8.99"	10.83"	8	.84"	68	85-123345-002	Disc
8.79"	4.65"	8.78"	11.25"	10	1.25"	79	03-123254-002	Disc
8.85"	4.46"	8.78"	11.25"	10	1.28"	69	85-123254-002	Disc
8.85"	4.56"	8.78"	11.25"	10	.94"	70	03-123366-002	Disc
8.85"	4.56"	8.78"	11.25"	10	.94"	70	85-123366-002	Disc
8.85"	4.66"	8.78"	11.25"	10	.94"	76	85-123421-002	Disc
8.85"	4.66"	8.78"	11.25"	10	.94"	76	03-123421-002	Disc
8.85"	4.66"	8.78"	11.25"	10	1.28"	75	03-123420-002	Disc
8.85"	4.66"	8.78"	11.25"	10	1.28"	98	85-123420-002	Disc

# DRUMS BY BRAKE SIZE

## 15.00" X 4.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
8.85"	4.75"	8.78"	11.25"	10	1.28"	67	85-123382-002	Disc
8.85"	4.75"	8.78"	11.25"	10	1.28"	69	03-123382-002	Disc
8.86"	4.53"	8.75"	11.25"	10	1.28"	88	03-122529-002	Disc
8.87"	4.53"	11.25"	13.19"	10	.94"	82	03-123024-002	Disc
8.89"	4.57"	8.53"	11.25"	10	1.28"	93	53-123609-002	Disc
8.89"	4.76"	8.78"	285.75mm	10	.96"	64	53-123568-002	Disc
8.89"	4.76"	8.99"	275mm	8	.94"	64	53-123575-002	Disc
8.89"	7.76"	8.78"	285.75mm	10	1.25"	63	53-123542-002	Disc
8.97"	5.09"	8.78"	11.25"	10	.94"	84	03-123396-002	Disc
8.97"	5.09"	8.78"	11.25"	10	.94"	84	85-123396-002	Disc
8.98"	5.09"	8.75"	11.25"	10	.81"	84	03-122921-002	Disc
8.98"	5.09"	8.75"	11.25"	10	.81"	84	85-122921-002	Disc
9.07"	4.72"	11.06"	13.19"	10	1.02"	90	85-123553-002	Disc
9.10"	4.65"	8.78"	11.25"	10	1.28"	74	03-123448-002	Disc
9.10"	4.65"	8.78"	11.25"	10	1.28"	107	85-123448-002	Disc
9.10"	4.65"	9.00"	10.83"	8	.94"	85	85-123444-002	Disc

## 15.00" X 5.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
6.59"	5.56"	9.44"	11.00"	5	.66"	76	85-120517-002	Spoke
6.59"	5.56"	9.44"	11.00"	5	.66"	76	03-120517-002	Spoke
7.22"	5.50"	6.25"	8.75"	6	.84"	74	03-120553-002	Disc
7.99"	5.72"	6.44"	8.75"	10	.78"	73	03-122561-002	Disc
7.99"	5.72"	6.44"	8.75"	6	.84"	72	03-122562-002	Disc
8.02"	5.47"	8.99"	10.83"	8	.84"	71	85-123332-002	Disc
9.53"	5.81"	8.78"	11.25"	10	1.28"	70	53-123598-002	Disc
9.53"	5.81"	8.78"	285.75mm	10	.94"	70	53-123600-002	Disc
10.08"	6.34"	8.78"	11.25"	10	.94"	90	85-123465-002	Disc

## 15.00" X 6.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
7.09"	6.50"	9.44"	11.00"	5	.66"	83	03-120516-002	Spoke
7.09"	6.50"	9.44"	11.00"	5	.66"	78	85-120516-002	Spoke
8.79"	6.75"	8.99"	10.83"	8	.84"	84	03-123331-002	Disc
8.79"	6.75"	8.99"	10.83"	8	.84"	85	85-123331-002	Disc
8.81"	6.75"	8.78"	11.25"	10	.94"	90	03-123493-002	Disc
9.32"	6.29"	8.78"	11.25"	10	1.28"	85	85-123681-002	Disc

## 15.00" X 7.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
8.02"	5.47"	8.99"	10.82"	8	.84"	73	03-123332-002	Disc
8.51"	7.36"	10.50"	12.75"	6	.78"	90	85-123203-002	Spoke
8.51"	7.36"	10.50"	12.75"	5	.78"	89	03-122011-002	Spoke
8.51"	7.36"	10.50"	12.75"	5	.78"	89	85-122011-002	Spoke
10.18"	7.56"	8.70"	10.83"	8	.85"	110	85-123548-002	Disc

# DRUMS BY BRAKE SIZE

## 15.00" X 7.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
10.22"	7.42"	8.53"	11.25"	10	.81"	80	53-123592-002	Disc
10.92"	7.50"	6.45"	8.75"	6	.81"	96	03-122806-002	Disc
10.92"	7.50"	8.99"	11.25"	8	.84"	96	85-123276-002	Disc
10.92"	7.50"	8.99"	10.83"	8	.84"	96	03-123276-002	Disc

## 15.00" X 8.63"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
11.44"	9.11"	8.78"	285.75mm	10	.94"	91	53-123601-002	Disc
11.44"	9.11"	9.00"	275mm	8	.94"	91	53-123602-002	Disc
11.76"	9.58"	9.00"	10.93"	8	.94"	135	85-123470-002	Disc
12.20"	8.83"	8.78"	11.25"	10	1.00"	121	03-123466-002	Disc
12.20"	9.58"	8.78"	11.25"	10	.94"	121	85-123466-002	Disc

## 16.50" X 5.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
6.12"	5.37"	9.25"	11.25"	6	.78"	92	85-120855-002	Spoke
6.12"	5.37"	9.25"	11.25"	6	.78"	92	03-120855-002	Spoke
6.41"	5.44"	10.00"	12.75"	6	.78"	89	85-122266-002	Spoke
6.41"	5.44"	10.00"	12.75"	5/6/7	.78"	89	03-123500-002	Spoke /Disc
6.57"	6.01"	11.00"	12.75"	6	.78"	79	85-122954-002	Spoke
8.58"	5.48"	8.66"	11.25"	10	1.27"	86	03-120988-002	Disc
8.58"	5.48"	8.78"	11.25"	10	.94"	100	03-123538-002	Disc
8.59"	5.87"	8.53"	11.25"	10	1.28"	77	53-123605-002	Disc
8.59"	5.87"	8.78"	11.25"	10	1.28"	77	53-123606-002	Disc
8.79"	5.11"	8.78"	11.25"	10	1.28"	86	53-123627-002	Disc
9.14"	5.50"	8.78"	11.25"	10	1.28"	63	03-123383-002	Disc
9.14"	5.50"	8.78"	11.25"	10	.94"	114	85-123370-002	Disc
9.14"	5.50"	8.78"	11.25"	10	1.28"	96	85-123383-002	Disc
9.16"	5.54"	11.25"	13.19"	10	.94"	90	03-123219-002	Disc
9.16"	5.54"	11.25"	13.19"	10	.94"	90	13-123219-002	Disc
9.22"	5.82"	8.53"	11.25"	10	1.28"	79	53-123590-002	Disc
9.22"	5.82"	8.78"	11.25"	10	1.28"	79	53-123589-002	Disc
9.22"	5.82"	9.00"	275mm	8	.94"	79	53-123588-002	Disc
9.63"	5.74"	8.75"	11.25"	10	.81"	96	85-122966-002	Disc
9.63"	5.74"	8.75"	11.25"	10	.81"	96	03-122966-002	Disc
9.63"	5.74"	8.78"	11.25"	10	.94"	97	85-123463-002	Disc

## 16.50" X 6.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
7.49"	6.69"	11.25"	12.75"	6	.78"	93	85-123427-002	Spoke
7.49"	6.69"	11.25"	12.75"	6	.78"	142	03-123427-002	Disc
9.51"	6.61"	8.78"	11.25"	10	.94"	123	85-123556-002	Disc
9.51"	6.61"	8.78"	11.25"	10	1.28"	122	85-123650-002	Disc
9.52"	6.07"	8.78"	11.25"	10	.94"	100	85-123660-002	
9.62"	6.68"	8.78"	285.75mm	10	.94"	87	53-123607-002	Disc

# DRUMS BY BRAKE SIZE

## 16.50" X 6.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
9.62"	6.68"	8.78"	11.25"	10	1.28"	87	53-123608-002	Disc
9.73"	6.61"	8.78"	11.25"	10	1.28"		85-123651-002	Disc
9.75"	6.63"	11.25"	13.19"	10	.94"	109	03-123302-002	Disc
9.75"	6.63"	11.25"	13.19"	10	.94"	113	13-123302-002	Disc
9.81"	6.69"	8.78"	11.25"	10	1.28"	107	03-123399-002	Disc
9.81"	6.69"	8.78"	11.25"	10	1.28"		85-123399-002	Disc
9.81"	6.69"	8.78"	11.25"	10	.94"	105	85-123400-002	Disc
9.83"	6.82"	11.71"	13.73"	10	.98"	115	85-123561-002	Disc
9.88"	6.98"	8.78"	11.25"	10	.94"	128	85-123657-002	Disc
9.91"	6.88"	9.14"	11.25"	10	1.33"	85	85-123569-002	Disc

## 16.50" X 7.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
7.94"	7.31"	11.00"	12.75"	6	.66"	99	03-120743-002	Spoke
7.94"	7.31"	11.00"	12.75"	5/6	.66/.66"	107	85-122600-002	Spoke
7.94"	7.31"	11.00"	12.75"	5/6	.66"	106	03-122600-002	Spoke
8.03"	7.44"	14.25"	12.75"	5	.78"	109	03-122925-002	Spoke
8.03"	7.44"	14.25"	12.75"	5/6	.66/.66"	109	03-122455-002	Spoke
8.41"	7.63"	9.44"	11.00"	5/6	.78/.66"	108	03-122222-002	Spoke
8.44"	7.38"	11.00"	12.50"	5/6	.66/.66"	103	03-120754-002	Spoke
8.45"	7.39"	11.25"	12.75"	5/6	.78/.78"	106	03-122683-002	Spoke
8.45"	7.39"	11.25"	12.75"	5/6	.78/.78"	106	85-122683-002	Spoke
8.65"	7.50"	11.00"	12.50"	5	.66"	106	03-120442-002	Spoke
8.65"	7.65"	10.50"	12.75"	5/6	.78/.78"	105	03-123430-002	Spoke
8.65"	7.65"	10.50"	12.75"	5	.78"	104	85-122009-002	Spoke
8.65"	7.65"	10.50"	12.75"	6	.78"	109	85-123200-002	Spoke
8.65"	7.65"	10.50"	12.75"	6	.78"	109	03-123200-002	Spoke
8.65"	7.65"	10.50"	12.75"	5	.78"	105	03-122009-002	Spoke
8.72"	7.56"	11.25"	12.75"	5	.78"	103	03-120574-002	Spoke
8.75"	7.50"	9.44"	11.00"	5	.78"	103	03-122603-002	Spoke
8.75"	7.50"	9.50"	11.25"	10	.84"	117	03-122126-002	Spoke/Disc
8.75"	7.50"	9.50"	11.25"	6	.66"	115	85-120586-002	Spoke
8.75"	7.50"	9.50"	11.25"	5/6	.78/.66"	116	03-120586-002	Spoke
8.75"	7.50"	9.50"	11.25"	10	.81"	102	03-122518-002	Disc
8.75"	7.50"	9.50"	11.25"	5	.78"	118	85-122103-002	Spoke
8.75"	7.50"	9.50"	11.25"	10	.81"	102	85-122518-002	Disc
8.94"	7.63"	9.50"	11.25"	5	.78"	120	03-122027-002	Spoke
8.94"	7.63"	9.50"	11.25"	6	.78"	119	03-122290-002	Spoke
8.94"	7.63"	9.50"	11.25"	10	.84"	119	03-122239-002	Disc



# DRUMS BY BRAKE SIZE

## 16.50" X 7.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
9.00"	7.60"	11.25"	12.75"	6	.66"	112	03-012480-002	Spoke
9.50"	7.56"	8.44"	11.25"	10	.84"	111	03-123398-002	Disc
9.50"	7.56"	9.44"	11.25"	10	.84"	118	03-012582-002	Disc
10.04"	7.27"	8.53"	11.25"	10	.81"	91	53-123582-002	Disc
10.04"	7.27"	8.78"	285.75mm	10	.94"	89	53-123583-002	Disc
10.31"	7.63"	8.78"	11.25"	10	.94"	116	85-123397-002	Disc
10.31"	7.63"	9.00"	11.25"	10	.84"	123	03-123297-002	Disc
10.31"	7.64"	8.78"	11.25"	10	.94"	123	03-123397-002	Disc
10.31"	7.64"	9.00"	11.25"	10	.85"	119	85-123297-002	Disc
10.31"	7.64"	9.00"	11.25"	10	.81"	116	85-122948-002	Disc
10.31"	7.64"	9.00"	11.25"	10	.81"	116	03-122948-002	Disc
10.38"	7.44"	8.53"	11.25"	10	.81"	112	03-122453-002	Disc
10.38"	7.86"	8.53"	11.25"	10	.81"	94	53-123564-002	Disc
10.38"	7.86"	9.00"	11.25"	10	.81"	93	53-123565-002	Disc
10.38"	7.86"	9.00"	275mm	8	.92"	93	53-123566-002	Disc
10.38"	7.87"	8.78"	285.75mm	10	.94"	94	53-123537-002	Disc
10.54"	7.46"	8.78"	11.25"	10	1.02"	112	03-123207-002	Disc
10.54"	7.46"	8.78"	11.25"	10	1.02"	111	85-123207-002	Disc
10.54"	7.60"	8.78"	11.25"	10	1.00"	123	85-123652-002	Disc
10.59"	7.75"	8.78"	11.25"	10	.94"	122	85-123365-002	Disc
10.59"	7.75"	8.78"	11.25"	10	.94"	122	03-123365-002	Disc
10.59"	7.75"	9.00"	11.25"	10	.81"	106	85-122550-002	Disc
10.59"	7.75"	9.00"	10.83"	8	.94"	123	85-123409-002	Disc
10.59"	7.75"	9.00"	10.83"	8	.94"	123	03-123409-002	Disc
10.59"	7.75"	9.00"	11.25"	10	.81"	106	03-122550-002	Disc
10.59"	7.75"	11.25"	13.19"	10	.94"	122	03-123025-002	Disc
10.63"	7.82"	8.53"	11.25"	10	.81"	112	03-122978-002	Disc
10.63"	7.82"	8.53"	11.25"	10	.81"	117	03-122607-002	Disc
10.69"	7.53"	9.44"	11.25"	10	.84"	115	85-120877-002	Disc
10.69"	7.53"	9.44"	11.25"	10	.84"	115	03-120877-002	Disc
10.92"	7.75"	8.99"	10.83"	8	.84"	104	85-123348-002	Spoke

## 16.50" X 8.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
10.96"	8.62"	8.78"	285.75mm	10	.94"	95	53-123535-002	Disc
11.09"	8.90"	8.78"	11.25"	10	.94"	128	03-123520-002	Disc
11.09"	8.91"	8.78"	11.25"	10	.94"	124	85-123520-002	Disc

## 16.50" X 8.63"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
10.25"	9.22"	9.50"	11.25"	10	.84"	131	03-120376-002	Spoke/Disc
11.04"	9.15"	8.78"	11.25"	10	.93"	102	53-123544-002	Disc
11.16"	9.06"	9.44"	11.25"	10	.81"	127	03-120882-002	Disc
11.25"	9.11"	8.78"	11.25"	10	.94"	138	85-123570-002	Disc
11.98"	9.13"	8.78"	11.25"	10	.94"	142	03-123406-002	Disc
11.98"	9.13"	8.78"	11.25"	10	.94"	142	85-123406-002	Disc
12.15"	9.38"	8.53"	11.25"	10	.81"	106	53-123580-002	Disc

## DRUMS BY BRAKE SIZE

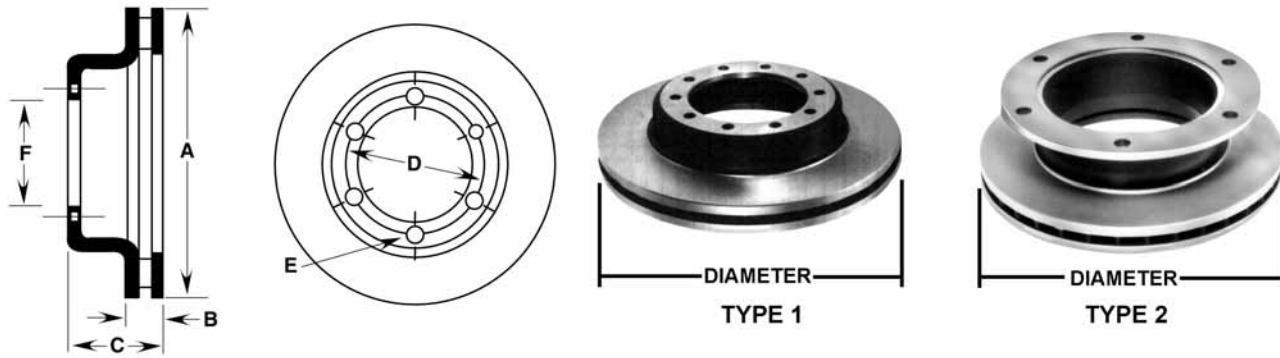
### 16.50" X 8.63"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
12.15"	9.38"	8.78"	285.75mm	10	.94"	106	53-123581-002	Disc
12.15"	9.38"	9.00"	275mm	8	.94"	106	53-123579-002	Disc
12.27"	9.33"	9.44"	11.25"	10	.84"	127	03-122513-002	Disc
12.33"	9.48"	8.78"	11.25"	10	.94"	142	03-123428-002	Disc
12.33"	9.48"	8.78"	11.25"	10	.94"	142	85-123428-002	Disc

### 18.00" X 7.00"

OVERALL DEPTH	BRAKE SURFACE WIDTH	PILOT DIA.	BOLT CIRCLE DIA.	BOLT HOLES		WEIGHT	PART NUMBER	WHEEL TYPE
				NO.	SIZE			
8.25"	7.44"	11.00"	12.75"	6	.66"	132	03-120936-002	Spoke
9.25"	8.00"	11.25"	12.75"	6	.66"	135	03-012488-002	Spoke

# MEDIUM-DUTY HYDRAULIC DISC BRAKE ROTORS NUMERICAL LISTING



MERITOR PART NO.	EUCLID PART NO.	ROTOR TYPE	MIN. DISC DIA. "A"	DISC THICKNESS "B"		OVERALL ROTOR DEPTH "C"	BOLT CIRCLE "D"	BOLT HOLES "E"		PILOT DIA. "F"	COMMENTS
				NEW	DISCARD / MIN. WEAR			DIA.	NO.		
23-122527-002	E-4231	2	15.000	1.440	1.320	6.800	8.750	0.812	6	7.000	
23-122687-002	E-4229	1	14.930	1.350	1.225	3.820	6.750	0.656	5	5.220	
23-122688-002	E-9804	1	14.750	1.350	1.225	3.810	6.750	0.656	6	5.400	For ABS use 23-123468-002
23-122691-002	E-4228	2	15.380	1.540	1.415	4.763	11.250	0.781	6	9.251	
23-122693-002	E-4246	2	15.380	1.540	1.415	6.220	11.250	0.812	10	9.499	Gunite D6059
23-122700-002	E-4227	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.401	For ABS use 23-123480-002
23-122701-002	E-4232	2	15.000	1.430	1.320	4.496	11.250	0.656	5	9.187	
23-122703-002	E-4233	2	15.380	1.540	1.415	6.070	11.250	0.840	10	8.688	
23-122743-002	E-4234	2	15.380	1.540	1.415	6.030	8.750	0.844	6	6.446	Ford E4HZ-1125D
23-122897-002	E-4247	1	15.000	1.435	1.320	4.440	7.250	0.578	10	6.001	For ABS use 23-123552-004
23-123041-002	E-9807	1	14.250	1.440	1.320	2.980	6.000	0.594	5	4.600	
23-123046-002	E-9808	1	14.250	1.440	1.320	2.980	6.000	0.531	6	4.600	GMC 15579754
23-123296-002	E-9809	1	14.750	1.350	1.225	3.810	7.250	0.591	10	6.000	For ABS use 23-123495-002
23-123341-002	E-12519	2	15.380	1.540	1.415	7.820	10.830	0.544	8	8.350	
23-123433-002	E-11327	2	15.380	1.435	1.320	6.206	11.250	0.812	10	9.499	GM Applications
23-123434-002	E-11307	1	15.380	1.440	1.320	3.400	7.250	0.594	10	6.000	For ABS use 23-123485-002
23-123439-002	E-11306	1	14.750	1.350	1.225	3.810	7.250	0.781	10	6.000	Ford F4HZ1125A
23-123440-002	E-11308	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	For ABS use 23-123489-002
23-123443-002	E-11320	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.400	6 Tapped Holes For ABS Ring Mtg (8.140 Bolt Circle)
23-123458-002	E-11309	1	15.380	1.540	1.415	3.400	7.250	0.656	10	6.000	
23-123460-002	E-11321	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.750	6 Tapped Holes for ABS Mounting
23-123461-002	E-12520	2	15.380	1.540	1.415	7.274	11.250	0.937	10	9.120	
23-123468-002	E-11322	1	14.750	1.350	1.225	3.810	6.750	0.656	6	5.400	6 Tapped Holes for ABS Mounting
23-123480-002	E-11323	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.400	6 Tapped Holes for ABS Mounting
23-123485-002	E-11125	1	15.380	1.440	1.320	3.400	7.250	0.594	10	6.000	5 Tapped Holes For ABS Ring Mtg (M8x1.25-6H 6.8" B.C.)
23-123486-002	E-11310	1	14.750	1.350	1.225	3.810	6.750	0.656	5	5.400	5 Tapped Holes for ABS Mounting (Metric)
23-123487-002	E-11324	1	14.750	1.350	1.225	3.810	6.750	0.656	5	5.400	
23-123489-002	E-11311	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	5 Tapped Holes for ABS Mounting GMC Applications
23-123494-002	E-11312	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.760	New Holland 86514074
23-123495-002	E-11313	1	14.750	1.350	1.225	3.810	7.250	0.594	10	6.000	5 Tapped Holes for ABS Mounting

## MEDIUM-DUTY HYDRAULIC DISC BRAKE ROTORS NUMERICAL LISTING

MERITOR PART NO.	EUCLID PART NO.	ROTOR TYPE	MIN. DISC DIA. "A"	DISC THICKNESS "B"		OVERALL ROTOR DEPTH "C"	BOLT CIRCLE "D"	BOLT HOLES "E"		PILOT DIA. "F"	COMMENTS
				NEW	DISCARD / MIN. WEAR			DIA.	NO.		
23-123497-002	E-11328	1	14.750	1.350	1.225	3.810				4.501	
23-123498-002	E-12521	1	15.380	1.540	1.415	3.410	7.250	0.656	10	5.964	
23-123522-002		1	15.560	1.500	1.375	4.880	6.430	.50	10	5.120	
23-123527-002	E-11326	1	15.630	1.540	1.415	3.630	7.250	0.656	10	5.964	Ford YC3Z1125AA
23-123529-002	E-11325	1	14.750	1.350	1.225	3.980	7.250	0.656	5	6.001	
23-123532-002	E-11329	1	15.169	1.440	1.320	2.895	6.750	0.656	5	5.400	GM Applications
23-123547-002		2	17.240	1.750	1.625	5.640	9.823	.63-18 UNF	10	7.630	
23-123550-004		1	15.000	1.440	1.320	3.380	7.250	.594	10	5.780	
23-123552-004	E-12523	1	15.000	1.440	1.320	4.440	7.250	0.594	10	6.001	
23-123557-004	E-12524	1	15.375	1.530	1.410	3.400	7.250	0.594	10	6.001	
23-123572-004	E-6115	1	15.000	1.440	1.320	3.500	6.750	0.781	6	5.401	
23-123573-004	E-6114	1	15.000	1.440	1.320	3.500	6.750	0.781	5	5.400	
23-123574-004	E-12517	2	15.375	1.540	1.415	7.600	11.250	0.937	10	9.120	
23-123615-002		2	16.535	1.768	1.630	6.285	10.500	.63-18 UNF	10	8.500	
23-123618-002	E-12513	2	11.960	1.180	1.035	6.050	7.500	.50-13 UNC	6	6.130	
23-123624-002	E-12515	2	12.756	1.180	1.035	6.325	7.750	.50-13 UNC	8	6.130	
23-123625-002	E-12516	2	12.756	1.180	1.035	4.631	8.000	.50-13 UNC	8	6.502	
23-123626-002	E-12514	2	11.960	1.180	1.035	4.640	7.500	.50-13 UNC	6	6.502	
23-123632-002		2	14.882	1.768	1.630	6.285	10.500	.63-18 UNF	8	8.610	
23-123642-002		2	17.087	1.768	1.630	5.644	10.500	.63-18 UNF	10	8.500	
23-123647-002		2	17.087	1.768	1.630	5.644	9.823	M16x2	10	7.638	
R44141583	E-9805	1	14.750	1.345	1.220	3.813	6.750		6		
R44141627	E-4242	2	15.000	1.430	1.320	5.900	12.750	0.760	5	14.000	
R44141629	E-4240	2	15.000	1.430	1.320	5.050	12.000	0.650	5	13.000	
R44141730	E-9817	1	11.110	1.380	1.270	2.500	136mm	0.500	12		
R44141856	E-8903	2	15.620	1.750	1.630	6.360	11.250	1.280	10	9.000	
R44141875	E-9873	2	15.000	1.450	1.320	4.770	11.250	0.780	5	9.000	
R447184	E-7184	2	15.380	1.535	1.410	6.250	10.827	0.844	8	8.347	Ford E6HZ-1125G
R447185	E-7185	2	15.380	1.535	1.410	6.610	13.198	1.047	10	10.950	Ford E6HZ-1125F
R448904	E-8904	2	15.620	1.750	1.630	4.920	12.750	0.780	6	10.000	TH-24 Gunite Air / Hydraulic

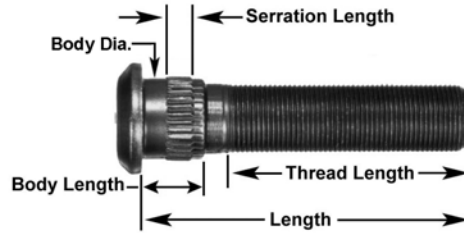
# MEDIUM-DUTY HYDRAULIC DISC BRAKE ROTORS NUMERICAL LISTING

MERITOR PART NO.	EUCLID PART NO.	ROTOR TYPE	MIN. DISC DIA. "A"	DISC THICKNESS "B"		OVERALL ROTOR DEPTH "C"	BOLT CIRCLE "D"	BOLT HOLES "E"		PILOT DIA. "F"	COMMENTS
				NEW	DISCARD / MIN. WEAR			DIA.	NO.		

**Commonly Mistaken Identified Rotors**

23-122688-002	E-9804	1	14.750	1.350	1.225	3.810	6.750	0.656	6	5.400	For ABS use 23-123468-002
23-123468-002	E-11322	1	14.750	1.350	1.225	3.810	6.750	0.656	6	5.400	6 Tapped Holes for ABS Mounting
23-123487-002	E-11324	1	14.750	1.350	1.225	3.810	6.750	0.656	5	5.400	
23-122687-002	E-4229	1	14.930	1.350	1.225	3.820	6.750	0.656	5	5.220	
23-123486-002	E-11310	1	14.750	1.350	1.225	3.810	6.750	0.656	5	5.400	5 Tapped Holes for ABS Mounting (Metric)
23-122700-002	E-4227	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.401	For ABS use 23-123480-002
23-123443-002	E-11320	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.400	6 Tapped Holes For ABS Ring Mtg (8.140 Bolt Circle)
23-123480-002	E-11323	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.400	6 Tapped Holes for ABS Mounting
23-122527-002	E-4231	2	15.000	1.440	1.320	6.800	8.750	0.812	6	7.000	
23-123460-002	E-11321	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.750	6 Tapped Holes for ABS Mounting
23-123494-002	E-11312	1	14.750	1.350	1.225	3.810	7.250	0.781	6	5.760	New Holland 86514074
23-123296-002	E-9809	1	14.750	1.350	1.225	3.810	7.250	0.591	10	6.000	For ABS use 23-123495-002
23-123495-002	E-11313	1	14.750	1.350	1.225	3.810	7.250	0.594	10	6.000	5 Tapped Holes for ABS Mounting
23-123434-002	E-11307	1	15.380	1.440	1.320	3.400	7.250	0.594	10	6.000	For ABS use 23-123485-002
23-123485-002	E-11125	1	15.380	1.440	1.320	3.400	7.250	0.594	10	6.000	5 Tapped Holes For ABS Ring Mtg (M8x1.25-6H 6.8" B.C.)
23-122729-002	E-4230	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	
23-123440-002	E-11308	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	For ABS use 23-123489-002
23-123489-002	E-11311	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	5 Tapped Holes for ABS Mounting GMC Applications
23-123440-002	E-11308	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	For ABS use 23-123489-002
23-123458-002	E-11309	1	15.380	1.540	1.415	3.400	7.250	0.656	10	6.000	
23-123489-002	E-11311	1	15.380	1.540	1.415	3.400	7.250	0.594	10	6.000	5 Tapped Holes for ABS Mounting GMC Applications
23-123498-002	E-12521	1	15.380	1.540	1.415	3.410	7.250	0.656	10	5.964	

# WHEEL STUDS

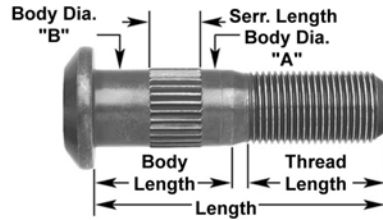


PART NUMBER	THREAD DIRECTION	GRADE	THREAD SIZE	LENGTH	BODY DIAMETER	BODY LENGTH	SERRATION LENGTH	THREAD LENGTH
09-002200	RH	8	.56"-18	2.73"	.65"	.70"	.28"	1.88"
09-001688	RH	8	.56"-18	3.09"	.65"	.68"	.28"	2.06"
09-002048	LH	8	.75"-16	2.13"	.89"	.69"	.50"	1.25"
09-002047	RH	8	.75"-16	2.13"	.89"	.69"	.50"	1.25"
20-X-2552	LH	8	.75"-16	2.76"	.89"	.72"	.38"	1.89"
20-X-2551	RH	8	.75"-16	2.76"	.89"	.72"	.38"	1.89"
09-861902	LH	8	.75"-16	2.88"	.77"	1.50"	.44"	1.19"
09-861901	RH	8	.75"-16	2.88"	.77"	1.50"	.44"	1.19"
09-002173	RH	8	.88"-14	3.35"	1.16"	.88"	.44"	1.50"
09-001926	LH	8	1.13"-16	2.97"	1.22"	1.19"	.45"	1.78"
09-001925	RH	8	1.13"-16	2.97"	1.22"	1.19"	.45"	1.78"
09-002000	LH	8	1.13"-16	3.13"	1.22"	1.19"	.45"	2.06"
09-001999	RH	8	1.13"-16	3.13"	1.22"	1.19"	.45"	2.06"
09-002218	RH	10.9 (Metric)	M14 x 2	2.60"	.60"	.59"	.28"	1.69"
09-002216	RH	10.9 (Metric)	M14 x 1.5	2.75"	.59"	.15"	.28"	1.75"
09-002232	RH	10.9 (Metric)	M14 x 2	2.81"	.88"	.63"	.29"	1.93"
09-002223	RH	10.9 (Metric)	M14 x 2	3.00"	.59"	.25"	.28"	2.25"
09-002233	RH	10.9 (Metric)	M14 x 2	3.44"	.88"	.63"	.29"	2.53"
09-002226	LH	10.9 (Metric)	M20 x 1.5	2.45"	.79"	.63"	.37"	1.65"
09-002225	RH	10.9 (Metric)	M20 x 1.5	2.45"	.79"	.63"	.37"	1.65"
09-001826	RH	10.9 (Metric)	M20 x 1.5	3.11"	.79"	.98"	.38"	2.13"
09-001811	RH	10.9 (Metric)	M20 x 1.5	3.68"	.79"	1.25"	.38"	2.42"
09-001958	RH	10.9 (Metric)	M22 x 1.5	2.75"	.89"	.79"	.38"	1.66"
09-002013	RH	10.9 (Metric)	M22 x 1.5	2.81"	.89"	.88"	.38"	1.67"
09-002184	RH	10.9 (Metric)	M22 x 1.5	2.92"	.90"	.88"	.38"	1.77"
09-002228	RH	10.9 (Metric)	M22 x 1.5	3.21"	.88"	.63"	.38"	2.00"
09-001988	RH	10.9 (Metric)	M22 x 1.5	3.34"	.89"	.88"	.38"	2.23"
09-002002	RH	10.9 (Metric)	M22 x 1.5	3.61"	.89"	.88"	.38"	2.67"
09-001989	RH	10.9 (Metric)	M22 x 1.5	3.72"	.89"	.87"	.38"	2.56"
09-002005	RH	10.9 (Metric)	M22 x 1.5	3.85"	.89"	1.13"	.38"	2.63"
09-001727	RH	10.9 (Metric)	M22 x 1.5	3.88"	.89"	.88"	.38"	2.75"
09-002004	RH	10.9 (Metric)	M22 x 1.5	4.17"	.89"	.88"	.38"	3.01"
09-001728	RH	10.9 (Metric)	M22 x 1.5	4.31"	.89"	.88"	.38"	3.19"
09-002003	RH	10.9 (Metric)	M22 x 1.5	4.78"	.89"	.88"	.38"	3.84"
09-002229	RH	10.9 (Metric)	M22 x 1.5	4.91"	.88"	.63"	.38"	3.84"



## WHEEL STUDS

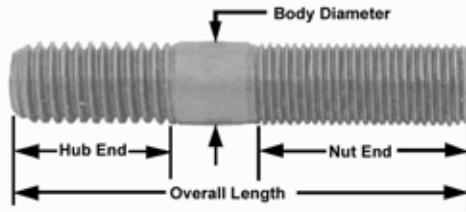
**GRADE 8**



**3/4"-16 Thread**

PART NUMBER	THREAD DIRECTION	GRADE	THREAD SIZE	BODY DIAMETER		LENGTH	BODY LENGTH	SERRATION LENGTH	THREAD LENGTH
				"A"	"B"				
09-001998	LH	8	.75"-16	.890	.940	2.38"	.89"	.50"	1.25"
09-001997	RH	8	.75"-16	.890	.940	2.38"	.89"	.50"	1.25"
09-002050	LH	8	.75"-16	.890	.940	2.38"	1.13"	.50"	1.13"
09-002049	RH	8	.75"-16	.890	.940	2.38"	1.13"	.50"	1.13"
09-001911	LH	8	.75"-16	.890	.939	2.63"	1.02"	.50"	1.38"
09-001910	RH	8	.75"-16	.890	.939	2.63"	1.02"	.50"	1.38"
09-002086	LH	8	.75"-16	.890	.939	2.77"	.87"	.50"	1.61"
09-002085	RH	8	.75"-16	.890	.939	2.77"	.87"	.50"	1.61"

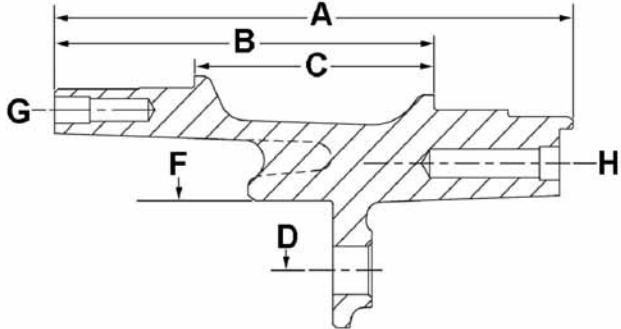
## DRIVE FLANGE STUDS



PART NUMBER	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
4-X-1612	2.50"	.56"	.56"-12	.84"	.56"-18	.91"
08-203868	2.50"	.56"	.56"-12	1"	.56"-18	.90"
08-007775	2.72"	.63"	.63"-11	.84"	.63"-18	.97"
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"
08-007591	2.88"	.63"	.63"-11	1.16"	.63"-18	1.13"
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"
08-205740	2.94"	.63"	.63"-11	.86"	.63"-11	1.38"
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
 Eaton 17, 34D, D340  
 Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE	
<b>04-15644-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
47620	47686	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
39520	39590		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	10.01"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.315"
C	Distance Between Cups	4.625"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.
H	Drive Flange Hole Pattern	10, 5/8"-11; 7.25" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15644-001		Wheel studs not included

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
 Eaton 17, 34D, D340  
 Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE
04-15673-XXX	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
47620	47686	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.531"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.309"
C	Distance Between Cups	4.618"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.777"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15673-002		Wheel studs not included
04-15673-003	3237J1258	

## STUD PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15673-036	LH			09-002086	08-205741	09-002127
04-15673-037	RH			09-002085	08-205741	09-002127

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15673-1009MTB	Dual Steel	Cast	09-002004	08-205435	3237N1262	15 x 8.63	85-123466-002	Outboard
14-15673-052MTB	Dual Steel	Cast	09-002004	08-205741		16.5 x 7	85-123397-002	Outboard
14-15673-1004MTB	Dual Aluminum	Cast	09-002003	08-205435	09-002127	16.5 x 7	85-123397-002	Outboard
14-15673-1008MTB	Aluminum, Steel	Cast	09-001728	08-205741	3237J1258	16.5 x 7	85-123397-002	Outboard

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001728	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-002085	Serrated 3/4"-16 R	Stud Piloted		
09-002086	Serrated 3/4"-16 L	Stud Piloted		

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

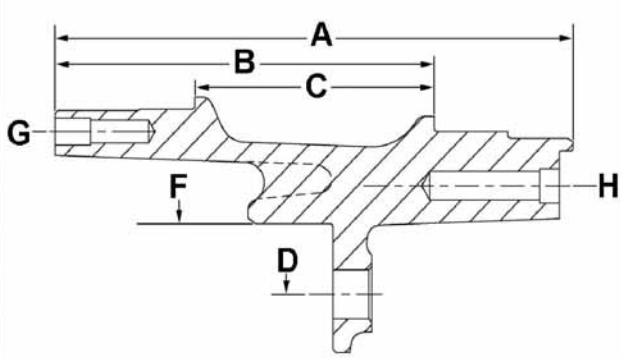
## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123397-002	Cast MTB	16.50" x 7.00"	10.31"	8.78"
85-123466-002	Cast MTB	15.00" x 8.63"	12.20"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
 Eaton 17, 34D, D340  
 Meritor "L" Series FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE	
04-15712-XXX	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
47620	47686	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
39520	39590		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.795"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.305"
C	Distance Between Cups	4.618"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15712-002		Wheel studs not included

### HUB PILOTED - Hub Assembly without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15712-1000	RH			09-001811	08-205741	

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001811	Serrated M20 x 1.5	Hub Piloted		

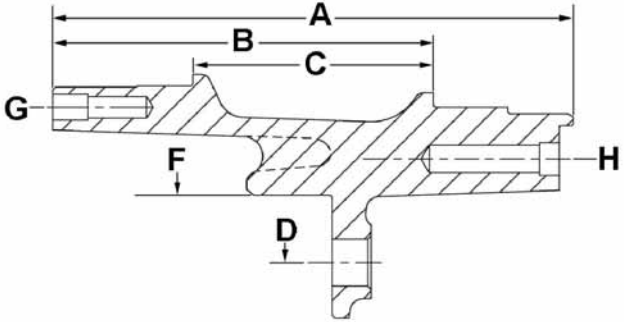
### DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
 Eaton 17, 34D, D340  
 Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE	
<b>04-15719-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
47620	47686	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
39520	39590		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.795"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.306"
C	Distance Between Cups	4.618"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15719-002		Wheel studs not included

### HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15719-1004	RH			09-002004	08-205741	
04-15719-1005	RH			09-001989	08-205435	

### STUD PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	HAND	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
16-15719-075	RH		09-002047	08-205741		23-122729-002	15.38
16-15719-076	LH		09-002048	08-205741		23-122729-002	15.38
16-15719-203	RH		09-002047	08-205741		23-123557-004	15.38
16-15719-204	LH		09-002048	08-205741		23-123557-004	15.38

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# DRIVE AXLE HUBS

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
16-15719-1000		09-001989	08-205435		23-123557-004	15.38
16-15719-1001		09-002004	08-205435		23-123557-004	15.38
16-15719-1005		09-001988	08-205741		23-123557-004	15.38
16-15719-1006		09-002004	08-205741		23-123557-004	15.38
16-15719-1011		09-002184	08-205741		23-123557-004	15.38

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-002047	Serrated 3/4"-16 R	Stud Piloted		
09-002048	Serrated 3/4"-16 L	Stud Piloted		
09-002184	Serrated M22 x 1.5	Hub Piloted		

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-122729-002	15.380	3.400	7.250	0.594	10	6.000
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380,  
 RT-52-160, RT-52-180, RT-53-380, SQ100, SQR100, SSSH (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-15728-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	13.189"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.75"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.75"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

### HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15728-002	RH			09-001989	08-007775	09-001937
04-15728-004	RH			09-001989	08-007775	

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast

### DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-007775	2.72"	.63"	.63"-11	.84"	.63"-18	.97"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
Eaton 17, 34D, D340  
Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE
<b>04-15740-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
47620	47686	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	10.01"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.32"
C	Distance Between Cups	4.625"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.
H	Drive Flange Hole Pattern	10, 5/8"-11; 7.25" B.C.

HUB PILOTED - Hub and Rotor Assembly						
HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
16-15740-100		09-001811	08-205435	09-002177	23-123498-002	15.38

WHEEL STUDS USED WITH HUB IN ASSEMBLIES					
WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE	
09-001811	Serrated M20 x 1.5	Hub Piloted			

DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES						
DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"

ROTORS USED WITH HUB IN ASSEMBLIES						
ROTOR PART No.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123498-002	15.380	3.410	7.250	0.656	10	5.964

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
 Eaton 17, 34D, D340  
 Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE
<b>04-15900-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
47620	47686	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	10.15"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.315"
C	Distance Between Cups	4.625"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	8, 5/8"-11; 5.50" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

## STUD PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15900-002	RH			09-002047	08-007591	
04-15900-003	LH			09-002048	08-007591	

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15900-004	RH			09-002184	08-007591	
04-15900-005	RH			09-001989	08-007591	

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002047	Serrated 3/4"-16 R	Stud Piloted		
09-002048	Serrated 3/4"-16 L	Stud Piloted		
09-002184	Serrated M22 x 1.5	Hub Piloted		

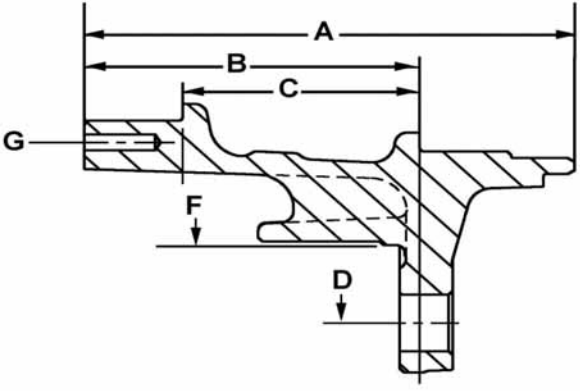
## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-007591	2.88"	.63"	.63"-11	1.16"	.63"-18	1.13"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Ford

HUB NO.	DESCRIPTION	TYPE	
<b>04-15923-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
LM104911		6.50"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
382A			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.44"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.041"
C	Distance Between Cups	3.25"
D	Bolt Circle Diameter	6.50"
E	Wheel Stud Quantity	8
F	Pilot Diameter	4.99"
G	Hub Cap Hole Pattern	8, 7/16"-14; 3.96" B.C.

**STUD PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15923-001	RH			09-001688		
04-15923-003	RH			09-002200		

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001688	Serrated 9/16"-18 R	Stud Piloted		
09-002200	Serrated 9/16"-18 R	Stud Piloted		

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer D135-S, S135-S, S150-S, F155-S, G155-T  
Navistar 170 Series

HUB NO.	DESCRIPTION	TYPE
<b>04-15930-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
33462	33287	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39585	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.84"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.76"
C	Distance Between Cups	3.38"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	8, 9/16"-12; 5.219" B.C.
H	Drive Flange Hole Pattern	5, 3/4"-10; 6.75" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15930-002	RH			09-002184	08-203868	
04-15930-003	RH			09-001989	08-203868	

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002184	Serrated M22 x 1.5	Hub Piloted		

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

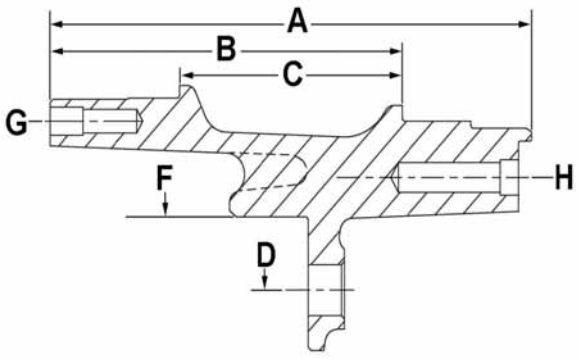
DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-203868	2.50"	.56"	.56"-12	1"	.56"-18	.90"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
Eaton 17, 34D, D340  
Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE
<b>04-15937-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
47620	47686	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	



DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	10.15"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.335"
C	Distance Between Cups	4.625"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	8, 5/8"-11; 5.50" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15937-002	RH			09-002184	08-007591	
04-15937-003	RH			09-001989	08-007591	

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002184	Serrated M22 x 1.5	Hub Piloted		

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-007591	2.88"	.63"	.63"-11	1.16"	.63"-18	1.13"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSHD (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-15943-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.75"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.747"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15943-002	RH			09-002005	08-008551	

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-15943-1000		09-002005	08-008551		23-123574-004	15.38

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002005	Serrated M22 x 1.5	Hub Piloted		

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-007591	2.88"	.63"	.63"-11	1.16"	.63"-18	1.13"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123574-004	15.375	7.600	11.250	0.937	10	9.120

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# DRIVE AXLE HUBS

FOR AXLE MODELS: GMC 150

HUB NO.	DESCRIPTION	TYPE
<b>04-15957-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
33462	33287	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
3920	3982	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.91"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	6.19"
C	Distance Between Cups	3.72"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	8, 1/2"-13; 5.312" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15957-1000	RH			09-001811	08-205741	

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001811	Serrated M20 x 1.5	Hub Piloted		

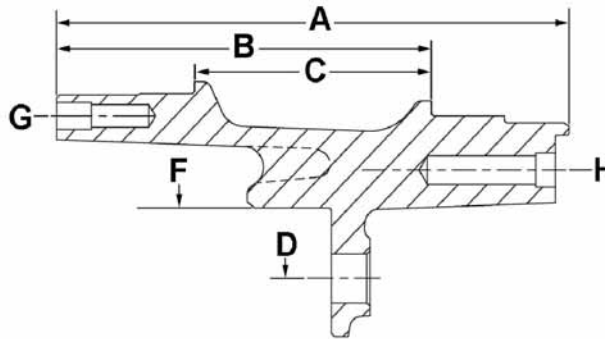
## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: GMC 150

HUB NO.	DESCRIPTION	TYPE	
<b>04-15958-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
33462	33287	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3920	3982		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.89"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	6.19"
C	Distance Between Cups	3.72"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	8, 1/2"-13; 5.312" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15958-1000	RH			09-001989	08-205741	

**HUB PILOTED - Hub and Rotor Assembly**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-15958-1001		09-001989	08-205741		23-123557-004	15.38

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast

**DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES**

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205741	3.03"	.50"	.50"-13	1.00"	.50"-13	1.00"

**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Spicer J-190S  
Eaton 17, 34D, D340  
Meritor FL-100, RS-17-140, RS-17-145, RS-17-220, RT-34-145

HUB NO.	DESCRIPTION	TYPE
<b>04-15972-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
47620	47686	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	10.64"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.315"
C	Distance Between Cups	4.625"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	12, 1/2"-13; 5.25" B.C.
H	Drive Flange Hole Pattern	10, 9/16"-12; 7.25" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15972-002	RH			09-001989	08-205435	
04-15972-003	RH			09-002004	08-205435	

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
16-15972-1000		09-001989	08-205435		23-123557-004	15.38

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 15040P, 15040S, 15040T  
Meritor F-145, F-245, F-345, RS-15-120, RS-15-210

HUB NO.	DESCRIPTION	TYPE
<b>04-15973-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
33462	33287	8.858"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
3920	3982	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.576"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.626"
C	Distance Between Cups	3.156"
D	Bolt Circle Diameter	8.858"
E	Wheel Stud Quantity	8
F	Pilot Diameter	6.691"
G	Hub Cap Hole Pattern	8, 1/2"-13; 5.312" B.C.
H	Drive Flange Hole Pattern	8, 9/16"-12; 7.25" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15973-100	RH			09-002233	08-205435	

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-15973-1001		09-002233	08-205435		23-123617-004	15.38

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002233	Serrated M14 x 2	Hub Piloted	Steel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-205435	2.88"	.50"	.50"-13	.83"	.50"-20	.98"

## ROTORS USED WITH HUB IN ASSEMBLIES

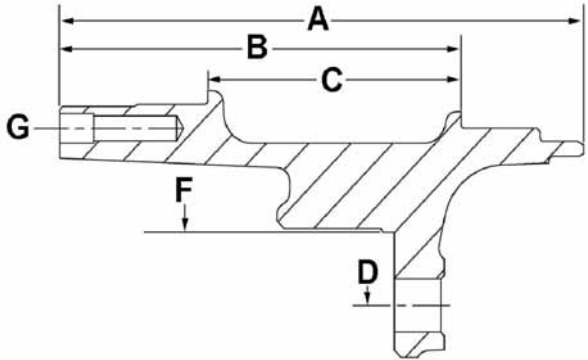
ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123617-004	15.375	3.410	7.250	.594	8	6.000

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Dana Model 80

HUB NO.	DESCRIPTION	TYPE
<b>04-15974-XXX</b>	Drive Axle Hub Outboard Drum	6 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
JLM506810	JLM506849	8.75"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	



DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.86"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.97"
C	Distance Between Cups	2.775"
D	Bolt Circle Diameter	8.75"
E	Wheel Stud Quantity	6
F	Pilot Diameter	6.448"
G	Hub Cap Hole Pattern	8, M12 x 1.75

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15974-001	LH			09-002226		
04-15974-002	RH			09-002225		

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-15974-1000		09-002225		09-002221	23-123618-002	11.96
16-15974-1001		09-002226		09-002221	23-123618-002	11.96

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002225	Serrated M20 x 1.5	Hub Piloted	Steel	Cast
09-002226	Serrated M20 x 1.5	Hub Piloted	Steel	Cast

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123618-002	11.960	6.050	7.500	.50-13 UNC	6	6.130

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Hino

HUB NO.	DESCRIPTION	TYPE
04-15975-XXX	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
JLM506810	JLM506849	8.858"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
39520	39590	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.86"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.97"
C	Distance Between Cups	2.775"
D	Bolt Circle Diameter	8.858"
E	Wheel Stud Quantity	8
F	Pilot Diameter	6.691"
G	Hub Cap Hole Pattern	8, M12 x 1.75

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-15975-001	RH			09-002223		

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-15975-1000		09-002223		09-002222	23-123624-007	12.75
16-15975-1001	Steel	09-002233		09-002222	23-123624-007	12.75

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002223	Serrated M14 x 2	Hub Piloted		

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123624-002	12.756	6.325	7.750	.50-13 UNC	8	6.130

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSHD (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-15985-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.75"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.75"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NO.	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NO.	DRIVE FLANGE STUD NO.	ABS RING NO.
04-15985-002	RH			09-001989		
04-15985-003	RH			09-001989		3237H1256
04-15985-004	RH			09-002003	08-008551	
04-15985-006	RH			09-002003	08-008551	3237H1256

## STUD PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	DRIVE FLANGE STUD	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15985-1003MTB	LH	Aluminum, Steel	Cast	09-001911	08-008551	3237H1256	16.5 x 7	85-123652-002	Outboard
14-15985-1004MTB	RH	Aluminum, Steel	Cast	09-001910	08-008551	3237H1256	16.5 x 7	85-123652-002	Outboard

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15985-1033MTB	Steel	Cast	09-001989	08-008551	3237H1256	16.5 x 7	85-123207-002	Outboard

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001910	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	Cast
09-001911	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123207-002	Cast MTB	16.50" x 7.00"	10.54"	8.78"
85-123652-002	Cast MTB	16.50" x 7.00"	10.54"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSSH (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-16000-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.90"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	6.90"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 5/8"-11; 7.00" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-16000-003	RH			09-001989	08-008551	09-002209
04-16000-007	RH			09-002004	08-008551	09-002209
04-16000-009	RH			09-001728	08-008551	09-002209

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-16000-1000		09-001989	08-008551	09-002209	23-123615-002	16.54
16-16000-1001		09-001728	08-008551	09-002209	23-123615-002	16.54
16-16000-1006		09-002004	08-008551	09-002209	23-123642-002	17.09
16-16000-1012		09-001728	08-008551	09-002209	23-123642-002	17.09

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001728	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

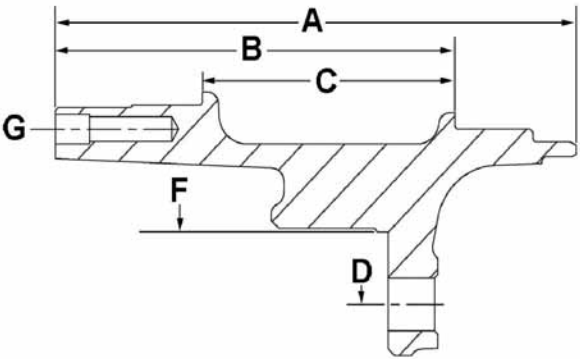
DRIVE FLANGE STUD PART NUMBER	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123615-002	16.535	6.285	10.500	.63-18 UNF	10	8.500
23-123642-002	17.087	5.644	10.500	.63-18 UNF	10	8.500

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSHD (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE	
<b>04-16001-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
592A	598A or 594A	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
572	580		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.75"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.75"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.653"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NO.	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	DRIVE FLANGE STUD	ABS RING
04-16001-001	RH			09-002004	08-008551	09-002209
04-16001-003	RH			09-001989	08-008551	09-002209
04-16001-005	RH			09-002003	08-008551	09-002209

**HUB PILOTED - Hub and Rotor Assembly**

HUB PART NO.	WHEEL TYPE	WHEEL STUD	DRIVE FLANGE STUD	ABS RING	ROTOR	ROTOR O.D.
16-16001-1000		09-002004	08-008551	09-002209	23-123642-002	17.09
16-16001-1002		09-001989	08-008551	09-002209	23-123642-002	17.09
16-16001-1004		09-002003	08-008551	09-002209	23-123642-002	17.09

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD PART NUMBER	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD PART NUMBER	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123642-002	17.087	5.644	10.500	.63-18 UNF	10	8.500

# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSHD (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-16002-XXX</b>	Drive Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.90"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	6.90"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-16002-004	RH			09-002003	08-008551	
04-16002-005	RH			09-002003	08-008551	09-002209

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-16002-1000		09-002003	08-008551	3237T1242	23-123632-002	14.88

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123632-002	14.882	6.285	10.500	.63-18 UNF	8	8.610

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

FOR AXLE MODELS: Meritor MC26000, 71163

HUB NO.	DESCRIPTION	TYPE
<b>04-16009-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
653		13.189"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
6535		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.975"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.128"
C	Distance Between Cups	3.938"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.051"
G	Hub Cap Hole Pattern	10, 9/16"-12; 7.25" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-16009-002	RH			09-001989	4-X-1612	
04-16009-003	RH			09-002003	4-X-1612	

## HUB PILOTED - Hub and Rotor Assembly

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
16-16009-1000		09-001989	4-X-1612	09-002165	23-123647-002	17.09
16-16009-1001		09-002003	4-X-1612	09-002165	23-123647-002	17.09

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
4-X-1612	2.50"	.56"	.56"-12	.84"	.56"-18	.91"

## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123647-002	17.087	5.644	9.823	M16x2	10	7.638

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

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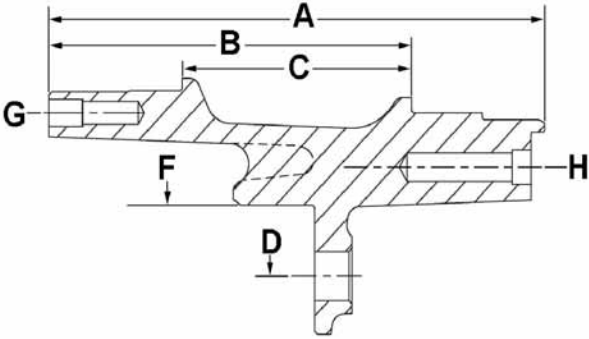
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# DRIVE AXLE HUBS

FOR AXLE MODELS: Meritor 61000

HUB NO.	DESCRIPTION	TYPE	
<b>04-16012-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
653		13.189"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
6535			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.575"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.128"
C	Distance Between Cups	3.398"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	10, 9/16"-12; 7.25" B.C.
H	Drive Flange Hole Pattern	6, 5/16"-18; 6.94" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-16012-002	RH			09-002004	4-X-1612	
04-16012-003	RH			09-002229	4-X-1612	

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-002229	Serrated M22 x 1.5	Hub Piloted		

**DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES**

DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
4-X-1612	2.50"	.56"	.56"-12	.84"	.56"-18	.91"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# DRIVE AXLE HUBS

FOR AXLE MODELS: Eaton 18, 23 26, 38D, 44D, D380, D381, D400 (Tag Axles 25LD, H25LD)  
 Meritor RD-22-145, RS-21-145, RS-21-230, RS-23-160, RS-23-161, RS-23-180, RS-23-240, RD-23-380,  
 RS-24-160, RS-26-180, RS-26-380, RT-40-145, RT-44-145, RT-46-160, RT-48-180, RT-48-380, RT-52-160,  
 RT-52-180, RT-53-380, SQ100, SQR100, SSHD (Tag Axles TR, TRD, TT)

HUB NO.	DESCRIPTION	TYPE
<b>04-16062-XXX</b>	Drive Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
592A	598A or 594A	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
572	580	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.75"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	7.75"
C	Distance Between Cups	4.307"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	8, 5/8"-11; 7.00" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER
04-16062-005	RH			09-001989	08-008551	3237H1256
04-16062-007	RH			09-002003	08-008551	3237H1256
04-16062-015	RH			09-001728	08-205740	3213H1256
04-16062-020	RH			09-001728	08-205740	
04-16062-021	RH			09-002004	08-008551	3237S1293

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	DRIVE FLANGE STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-16062-1000MTB	Steel	Cast	09-001728	08-205740	3237H1256	16.5 x 7	85-123207-002	Outboard
14-16062-1009MTB	Aluminum	Cast	09-002003	08-008551		16.5 x 7	85-123207-002	Outboard
14-16062-1010MTB	Aluminum	Cast	09-002003	08-008551	3237H1256	16.5 x 7	85-123207-002	Outboard
14-16062-1029MTB	Aluminum, Steel	Cast	09-001989	08-008551		16.5 x 7	85-123365-002	Outboard
14-16062-1030MTB	Aluminum	Cast	09-001989	08-008551	3237H1256	16.5 x 7	85-123365-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001728	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# DRIVE AXLE HUBS

## DRIVE FLANGE STUDS USED WITH HUB IN ASSEMBLIES

DRIVE FLANGE STUD NO.	OVERALL LENGTH	BODY DIAMETER	HUB END		NUT END	
			THREAD SIZE	THREAD LENGTH	THREAD SIZE	THREAD LENGTH
08-008551	2.94"	.63"	.63"-11	.85"	.63"-18	1.38"
08-205740	2.94"	.63"	.63"-11	.86"	.63"-11	1.38"

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123207-002	Cast MTB	16.50" x 7.00"	10.54"	8.78"
85-123365-002	Cast MTB	16.50" x 7.00"	10.59"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE
<b>05-15633-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM212011	HM212047 or HM212049	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
3720	3782	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.127"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.44"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.77"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

## STUD PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15633-002	RH			09-001999	
05-15633-003	LH			09-002000	
05-15633-006	RH			09-001999	3237L1260
05-15633-007	LH			09-002000	3237L1260

## STUD PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-15633-1000MTB	RH	Steel	Cast	09-001925		15 x 4	85-123420-002	Outboard
15-15633-1001MTB	LH	Steel	Cast	09-001926		15 x 4	85-123420-002	Outboard
15-15633-1004MTB	LH	Steel	Cast	09-001926	3237L1260	15 x 4	85-123420-002	Outboard
15-15633-1005MTB	RH	Steel	Cast	09-001925	3237L1260	15 x 4	85-123420-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001925	Serrated 1-1/8"-16 R	Stud Piloted	Steel	Cast
09-001926	Serrated 1-1/8"-16 L	Stud Piloted	Steel	Cast
09-001999	Serrated 1-1/8"-16 R	Stud Piloted	Aluminum	Cast
09-002000	Serrated 1-1/8"-16 R	Stud Piloted	Aluminum	Cast

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123420-002	Cast MTB	15.00" x 4.00"	8.85"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE
<b>05-15756-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM212011	HM212047 or HM212049	13.189"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
3720	3782	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.49"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.41"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15756-002			09-001727	09-001866
05-15756-003			09-001988	09-001866

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-15756-102	Steel	Cast	09-001988		16.5 x 5	13-123219-002	Outboard
15-15756-300	Steel	Cast	09-001988	09-001866	16.5 x 6	13-123302-002	Outboard
15-15756-301	Aluminum	Cast	09-001727	09-001866	16.5 x 6	13-123302-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001727	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	X30
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

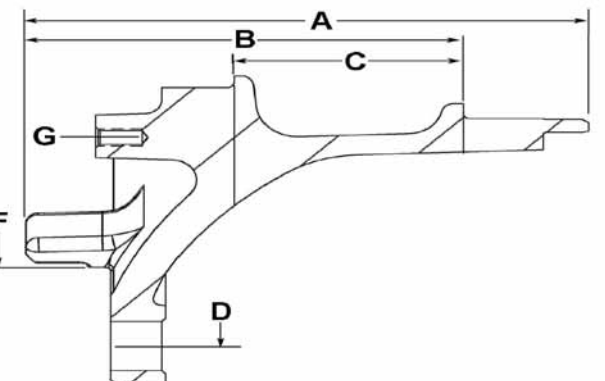
## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
13-123219-002	Cast Weld-to-Balance	16.50" x 5.00"	9.16"	11.25"
13-123302-002	Cast Balanced	16.50" x 6.00"	9.75"	11.25"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-931, FD-931, FD-933, FD-961  
Westport F5W-0900

HUB NO.	DESCRIPTION	TYPE	
<b>05-15805-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
39520	39581	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3525	3585		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.43"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.8"
C	Distance Between Cups	3.218"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
05-15805-001	09-002172	Wheel studs not included

### HUB PILOTED - Hub and Rotor Assemblies

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15805-100		09-001826	09-002172	23-123527-002	15.63

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001826	Serrated M20 x 1.5	Hub Piloted		

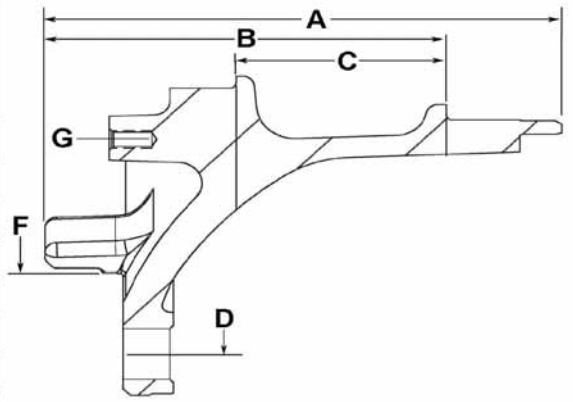
### ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123527-002	15.630	3.630	7.250	0.656	10	5.964

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: GMC

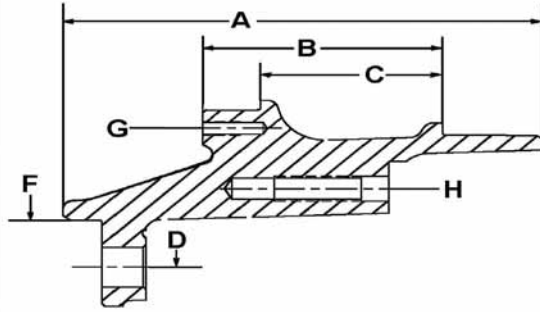
HUB NO.	DESCRIPTION	TYPE	
<b>05-15863-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM205110		11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
JF7010			
<b>DRAWING REFERENCE</b>			
	<b>ITEM</b>	<b>DIMENSION</b>	
A	Overall Length	8.73"	
B	Outer Hub Cap Face To Inner Bearing Cup Seat	3.85"	
C	Distance Between Cups	2.086"	
D	Bolt Circle Diameter	11.25"	
E	Wheel Stud Quantity	10	
F	Pilot Diameter	8.777"	
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.	
<b>HUB PART NUMBER</b>		<b>ABS RING NUMBER</b>	<b>COMMENTS</b>
05-15863-002			Wheel studs not included
05-15863-003		09-002046	

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Hino

HUB NO.	DESCRIPTION	TYPE
<b>05-15871-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
JM205110		10.827"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
Y32207		



DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.45"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	3.69"
C	Distance Between Cups	6.767"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.69"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	5, 5/8"-11; 6.75" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
05-15871-002		Wheel studs not included
05-15871-003	09-002122	

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: GMC

HUB NO.	DESCRIPTION	TYPE	
<b>05-15873-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM205110		11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
Y32207			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.649"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	3.709"
C	Distance Between Cups	1.744"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.649"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	5, 5/8"-11; 6.75" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
05-15873-002		Wheel studs not included
05-15873-003	09-002122	

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# FRONT AXLE HUBS

FOR AXLE MODELS: GMC

HUB NO.	DESCRIPTION	TYPE	
<b>05-15874-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
Y33212		11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
Y32208			

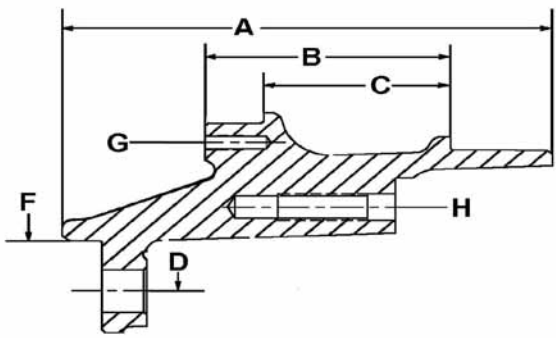
DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.965"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	3.679"
C	Distance Between Cups	2.054"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.647"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
05-15874-002		Wheel studs not included
05-15874-003	09-002121	

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-15897-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.26"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.33"
C	Distance Between Cups	3.38"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

### STUD PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15897-002	RH			09-001910	
05-15897-003	LH			09-001911	
05-15897-008	RH			20-X-2551	
05-15897-009	LH			20-X-2552	

### HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15897-004			09-001958	
05-15897-005			09-001988	

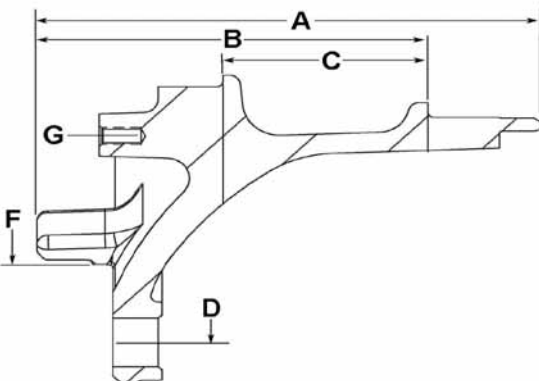
### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001910	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	Cast
09-001911	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	Cast
09-001958	Serrated M22 x 1.5	Hub Piloted		
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
20-X-2551	Serrated 3/4"-16 R	Stud Piloted		
20-X-2552	Serrated 3/4"-16 L	Stud Piloted		

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-15903-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.89"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.145"
C	Distance Between Cups	2.335"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 3/8"-16; 6.00" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15903-030			09-001988	09-002166

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15903-050		09-001988	09-002166	23-123547-002	17.24

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

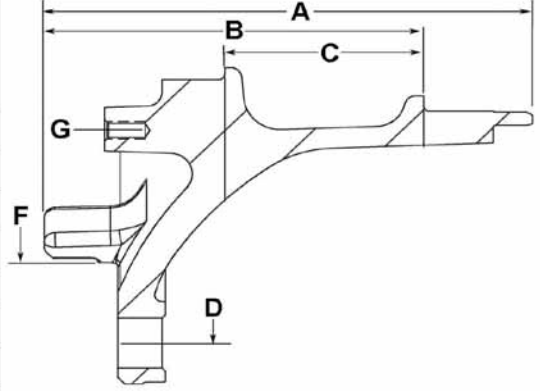
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123547-002	17.240	5.640	9.823	.63-18 UNF	10	7.630

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-15925-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.29"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.146"
C	Distance Between Cups	2.335"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.777"
G	Hub Cap Hole Pattern	6, 3/8"-16; 6.00" B.C.

**STUD PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15925-002	RH			09-001999	09-002134
05-15925-003	LH			09-002000	09-002134
05-15925-004	RH			09-002173	09-002134

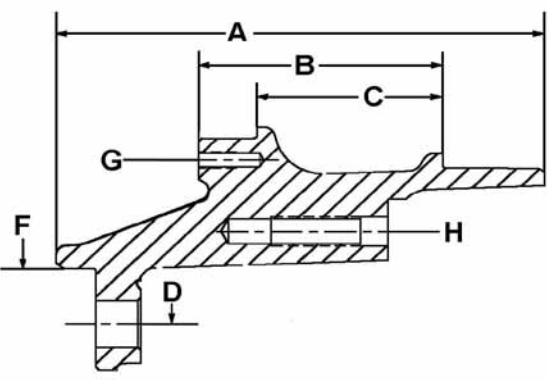
**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001999	Serrated 1-1/8"-16 R	Stud Piloted	Aluminum	Cast
09-002000	Serrated 1-1/8"-16 R	Stud Piloted	Aluminum	Cast
09-002173	Serrated 7/8"-14 R	Stud Piloted	Steel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-941

HUB NO.	DESCRIPTION	TYPE	
<b>05-15931-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.26"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.
H	Rotor Mounting Hole Pattern	5, 3/4"-10; 6.75" B.C.

### HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15931-002			09-001958	
05-15931-003			09-001988	

### HUB PILOTED - Hub and Rotor Assemblies

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15931-1000		09-001958		23-123573-004	15.00

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001958	Serrated M22 x 1.5	Hub Piloted		
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

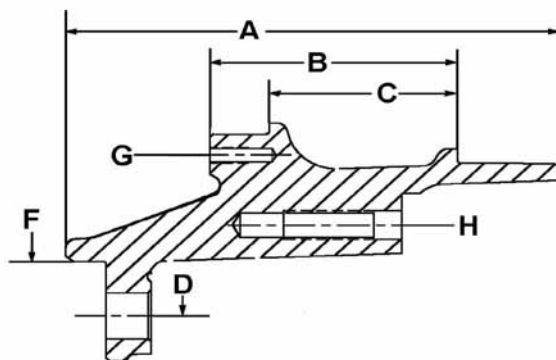
### ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123573-004	15.000	3.500	6.750	0.781	5	5.400

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana, ITE

HUB NO.	DESCRIPTION	TYPE	
<b>05-15932-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM205110	JM207049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.26"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.40"
C	Distance Between Cups	2.96"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.
H	Rotor Mounting Hole Pattern	5, 3/4"-10; 6.75" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15932-002			09-001958	
05-15932-003			09-001988	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15932-1000		09-001958		23-123573-004	15.00
17-15932-1001		09-001988			

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001958	Serrated M22 x 1.5	Hub Piloted		
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

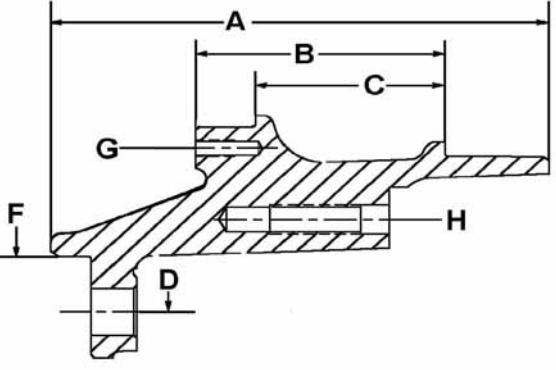
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123573-004	15.000	3.500	6.750	0.781	5	5.400

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana I-75, I-80  
 Meritor FC-931, FC-941  
 Navistar 02ADB, 02101, 02103, 02104

HUB NO.	DESCRIPTION	TYPE	
<b>05-15935-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049 (A)	11.250"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25877		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.34"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.
H	Rotor Mounting Hole Pattern	5, 3/4"-10; 6.75" B.C.

**STUD PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15935-002	RH			09-001997	
05-15935-003	LH			09-001998	

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15935-004			09-001958	
05-15935-005			09-001988	

**STUD PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NO.	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
17-15935-1002		09-001997		23-123573-004	15.00
17-15935-1003		09-001998		23-123573-004	15.00

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NO.	ABS RING NUMBER	ROTOR NUMBER	ROTOR O.D.
17-15935-1000		09-001958		23-123573-004	15.00
17-15935-1001		09-001988		23-123573-004	15.00

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001958	Serrated M22 x 1.5	Hub Piloted		
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-001997	Serrated 3/4"-16 R	Stud Piloted		
09-001998	Serrated 3/4"-16 L	Stud Piloted		

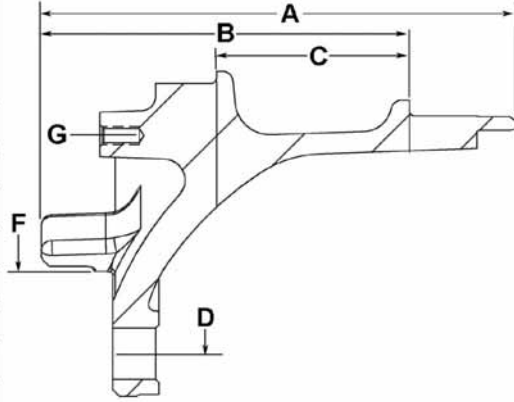
## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123573-004	15.000	3.500	6.750	0.781	5	5.400



# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-941

HUB NO.	DESCRIPTION	TYPE	
05-15938-XXX	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.64"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.777"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.

HUB PILOTED - Hub Assemblies without Drum or Rotor				
HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15938-1001			09-001989	3237K1259
05-15938-1002			09-002002	3237M1261

HUB PILOTED - Hub and Drum Assemblies							
HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-15938-1003MTB	Steel	Cast	09-002002	3237M1261	15 x 5	85-123465-002	Outboard

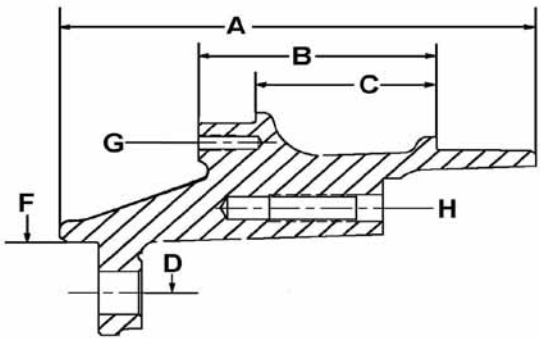
WHEEL STUDS USED WITH HUB IN ASSEMBLIES				
WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002002	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	X30

DRUMS USED WITH HUB IN ASSEMBLIES				
DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123465-002	Cast MTB	15.00" x 5.00"	10.08"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-941

HUB NO.	DESCRIPTION	TYPE	
<b>05-15946-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.55"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

### HUB PILOTED - Hub and Rotor Assemblies

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15946-1000		09-002013		23-123557-004	15.38

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002013	Serrated M22 x 1.5	Hub Piloted		

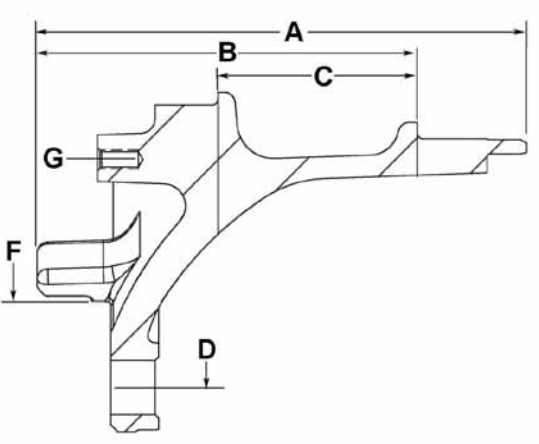
### ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15      Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-15954-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.40"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.435"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.777"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15954-005			09-001988	3237L1260
05-15954-006			09-001989	3237L1260

**HUB PILOTED - Hub and Drum Assemblies**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-15954-1011MTB	Steel	Cast	09-001988	3237L1260	15 x 4	85-123396-002	Outboard
15-15954-1005MTB	Steel	Cast	09-001988	3237L1260	16.5 x 5	85-123463-002	Outboard
15-15954-1014MTB	Steel	Cast	09-001989	3237L1260	16.5 x 6	85-123400-002	Outboard
15-15954-1015MTB	Steel	Cast	09-001988	3237L1260	16.5 x 6	85-123400-002	Outboard
15-15954-1016MTB	Aluminum, Steel	Cast	09-002002		16.5 x 6	85-123660-002	Outboard

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002002	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	X30

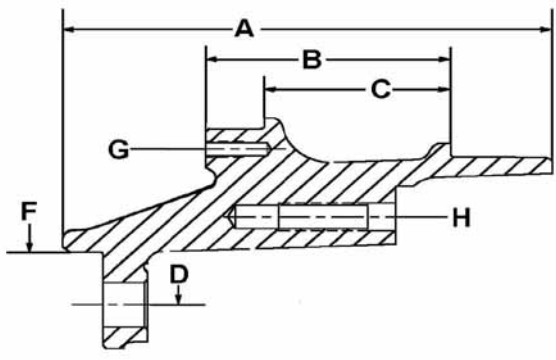
**DRUMS USED WITH HUB IN ASSEMBLIES**

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123396-002	Cast MTB	15.00" x 4.00"	8.97"	8.78"
85-123660-002	Cast MTB	16.50" x 6.00"	9.52"	8.78"
85-123463-002	Cast MTB	16.50" x 5.00"	9.63"	8.78"
85-123400-002	Cast MTB	16.50" x 6.00"	9.81"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-941

HUB NO.	DESCRIPTION	TYPE	
<b>05-15955-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.41"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.634" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15955-1000			09-001826	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15955-1000		09-001826		23-123557-004	15.38

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001826	Serrated M20 x 1.5	Hub Piloted		

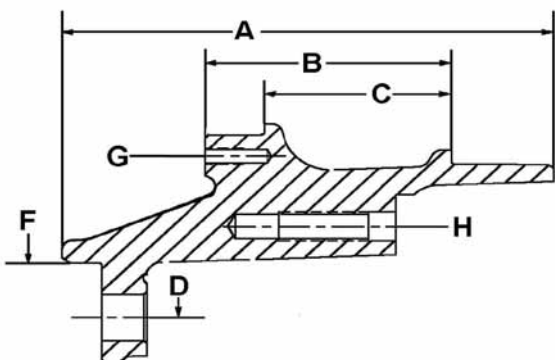
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Meritor FC-941

HUB NO.	DESCRIPTION	TYPE	
<b>05-15964-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
JM207010	JM207049	11.250"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820	25878		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.64"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.36"
C	Distance Between Cups	2.92"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15964-1057			09-001988	
05-15964-1058			09-002013	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15964-1006		09-002013		23-123557-004	15.38

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-002013	Serrated M22 x 1.5	Hub Piloted		

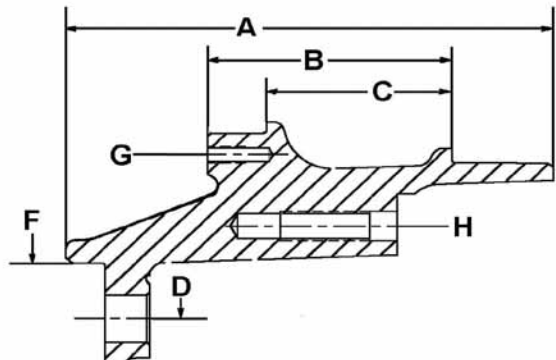
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-15967-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.92"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.45"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15967-1001			09-001826	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15967-1000		09-001826		23-123557-004	15.38

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001826	Serrated M20 x 1.5	Hub Piloted		

**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123557-004	15.375	3.400	7.250	0.594	10	6.001

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Hino

HUB NO.	DESCRIPTION	TYPE
<b>05-15976-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
LM48510		8.858"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
25520		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.587"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	3.956"
C	Distance Between Cups	2.516"
D	Bolt Circle Diameter	8.858"
E	Wheel Stud Quantity	8
F	Pilot Diameter	6.691"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15976-001			09-002218	
05-15976-002			09-002232	

## HUB PILOTED - Hub and Rotor Assemblies

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15976-1001		09-002232	09-002217	23-123625-002	12.75

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002218	Serrated M14 x 2	Hub Piloted		
09-002232	Serrated M14 x 2	Hub Piloted	Steel	Cast

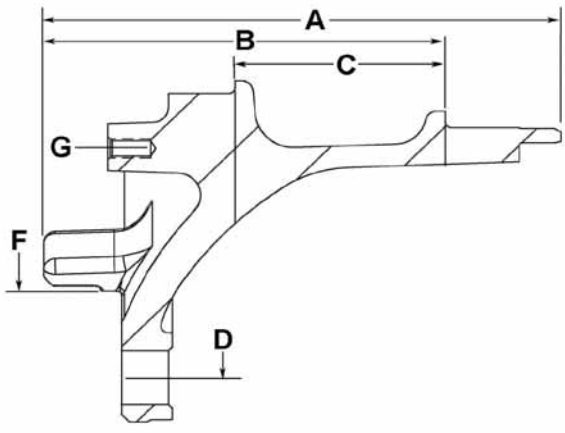
## ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123625-002	12.756	4.631	8.000	.50-13 UNC	8	6.502

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Hino

HUB NO.	DESCRIPTION	TYPE	
<b>05-15977-XXX</b>	Front Axle Hub Outboard Drum	6 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
LM48510		8.75"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25520			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.945"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.365"
C	Distance Between Cups	2.516"
D	Bolt Circle Diameter	8.75"
E	Wheel Stud Quantity	6
F	Pilot Diameter	6.448"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.625" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15977-002			09-002225	09-002220

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15977-1000		09-002225	09-002220	23-123626-002	11.96
17-15977-1001		09-002226	09-002220	23-123626-002	11.96

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002225	Serrated M20 x 1.5	Hub Piloted	Steel	Cast
09-002226	Serrated M20 x 1.5	Hub Piloted	Steel	Cast

**ROTORS USED WITH HUB IN ASSEMBLIES**

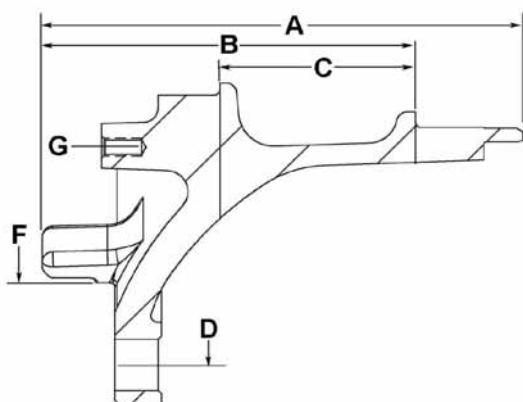
ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123626-002	11.960	4.640	7.500	.50-13 UNC	6	6.502

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-15986-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.23"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.43"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15986-004			09-001989	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15986-1005		09-001989	3237L1260	23-123642-002	17.09

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast

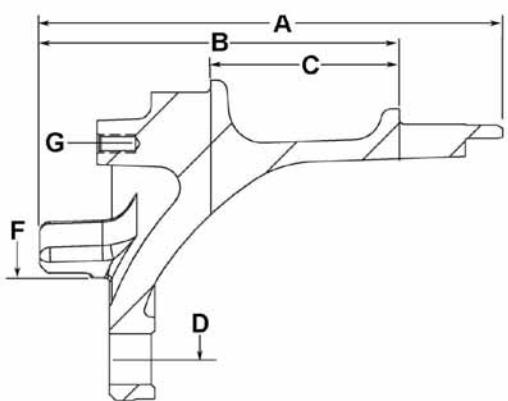
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123642-002	17.087	5.644	10.500	.63-18 UNF	10	8.500

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-15988-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.741"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.841"
C	Distance Between Cups	3.031"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15988-001			09-001727	09-002206

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15988-1001		09-002005	09-002206	23-123642-002	17.09
17-15988-1002		09-001988	09-002206	23-123642-002	17.09

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001727	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	X30
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-002005	Serrated M22 x 1.5	Hub Piloted		

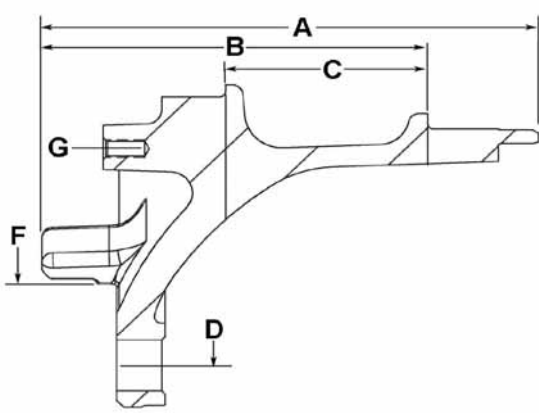
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123642-002	17.087	5.644	10.500	.63-18 UNF	10	8.500

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-15996-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	13.19"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.79"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.146"
C	Distance Between Cups	2.335"
D	Bolt Circle Diameter	13.19"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	6, 3/8"-16; 6.00" B.C.

HUB PILOTED - Hub Assemblies without Drum or Rotor				
HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-15996-002			09-002002	09-002134
05-15996-003			09-001727	09-002134

HUB PILOTED - Hub and Drum Assemblies							
HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-15996-1000MTB	Aluminum, Steel	Cast	09-002002	09-002134	16.5 x 6	85-123561-002	Outboard
15-15996-1002MTB	Aluminum, Steel	Cast	09-002002	09-002134	16.5 x 6	85-123561-002	Outboard

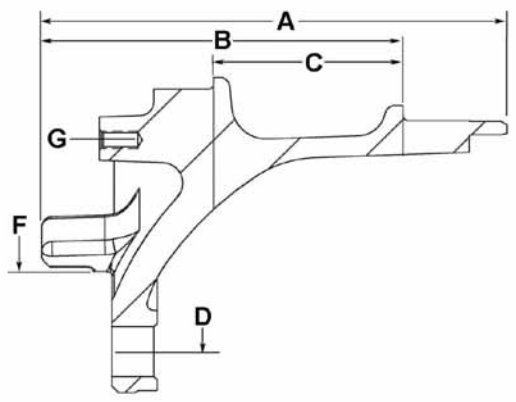
WHEEL STUDS USED WITH HUB IN ASSEMBLIES				
WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001727	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	X30
09-002002	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	X30

DRUMS USED WITH HUB IN ASSEMBLIES				
DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123561-002	Cast MTB	16.50" x 6.00"	9.83"	11.71"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Ford 7000 Early Design

HUB NO.	DESCRIPTION	TYPE	
<b>05-15997-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
45220		10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.95"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.47"
C	Distance Between Cups	3.125"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.691"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.62" B.C.

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-15997-1000		09-001988	09-002139	23-123522-002	15.56

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001998	Serrated 3/4"-16 L	Stud Piloted		

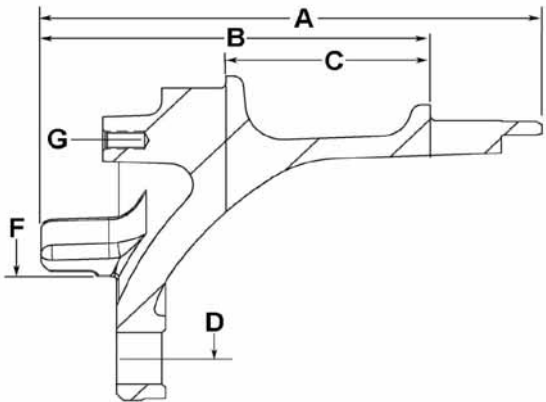
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123522-002	15.560	4.880	6.430	.50	10	5.120

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Ford 7000

HUB NO.	DESCRIPTION	TYPE	
<b>05-16005-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
45220		8.858"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.42"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.46"
C	Distance Between Cups	3.125"
D	Bolt Circle Diameter	8.858"
E	Wheel Stud Quantity	10
F	Pilot Diameter	6.69"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.62" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16005-002			09-002216	09-002227

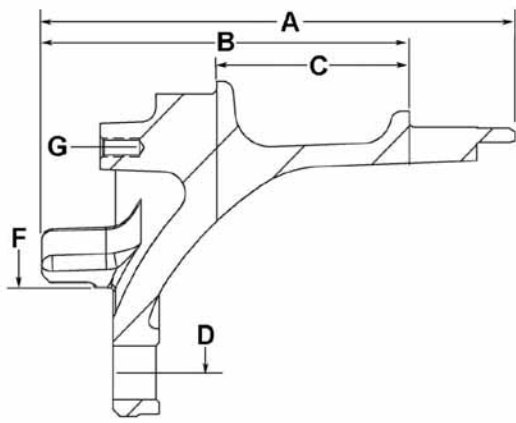
**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002216	Serrated M14 x 1.5	Hub Piloted		

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-16007-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	13.189"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.37"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.144"
C	Distance Between Cups	2.335"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.051"
G	Hub Cap Hole Pattern	6, 3/8"-16; 6.00" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16007-002			09-002228	09-002166

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-16007-1000		09-002228	09-002166	23-123647-002	17.09

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002228	Serrated M22 x 1.5	Hub Piloted		

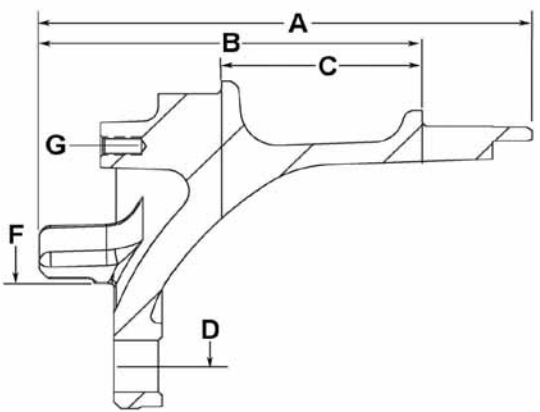
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123647-002	17.087	5.644	9.823	M16x2	10	7.638

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE	
<b>05-16008-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
6420	6461A	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
552A	555S		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.37"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.144"
C	Distance Between Cups	2.335"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 3/8"-16; 6.00" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16008-002			09-002228	09-002166

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-16008-1000		09-002228	09-002166	23-123642-002	17.09

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002228	Serrated M22 x 1.5	Hub Piloted		

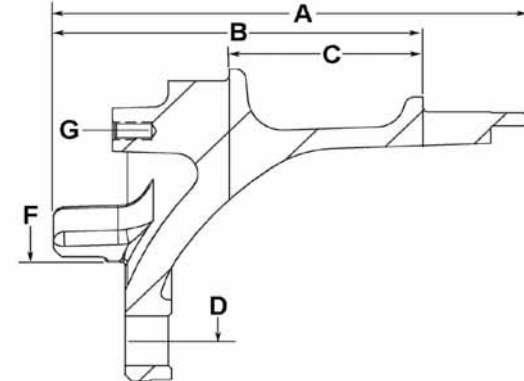
**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123642-002	17.087	5.644	10.500	.63-18 UNF	10	8.500

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Navistar

HUB NO.	DESCRIPTION	TYPE	
<b>05-16010-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
45220		8.858"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
25820			

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.424"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.464"
C	Distance Between Cups	3.125"
D	Bolt Circle Diameter	8.858"
E	Wheel Stud Quantity	10
F	Pilot Diameter	6.691"
G	Hub Cap Hole Pattern	4, 5/16"-18; 3.62" B.C.

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-16010-1000		09-002216	09-002139	23-123522-002	15.56

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-002216	Serrated M14 x 1.5	Hub Piloted		

**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123522-002	15.560	4.880	6.430	.50	10	5.120

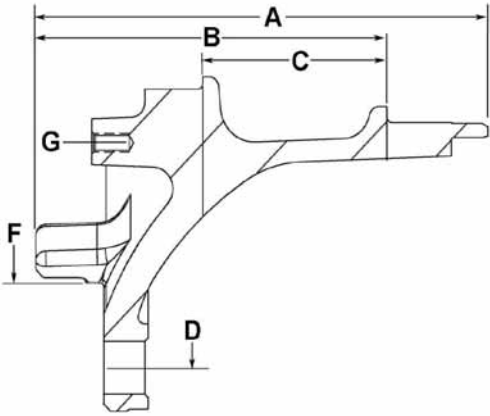
Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.



# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-160, I-180, I-200, I-220  
 Eaton EFA-18F3, EFA-20T2, EFA-22T2/T5, EFA-24T2/T5  
 Meritor FG-942, FL-931, FL-941, FL-943, FL-951

HUB NO.	DESCRIPTION	TYPE
<b>05-16026-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
6420	6461A	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
552A	555S	



DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.76"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.84"
C	Distance Between Cups	3.031"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

## HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16026-002			09-001727	09-002206

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
15-16026-1002MTB	Steel, Disc	Cast	09-001727		16.5 x 6	85-123657-002	Outboard
15-16026-1006MTB	Aluminum	Cast	09-001728		16.5 x 6	85-123657-002	Outboard
15-16026-1007MTB	Aluminum, Disc	Cast	09-001728	09-002206	16.5 x 6	85-123657-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001727	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	X30
09-001728	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast

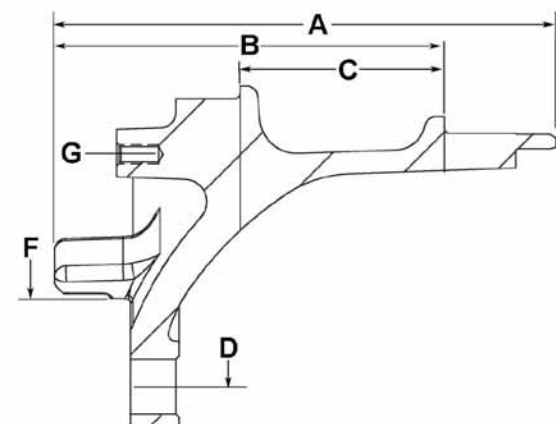
## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
85-123657-002	Cast MTB	16.50" x 6.00"	9.88"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-16033-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.847"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.873"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

**STUD PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16033-003	LH			09-001926	3237L1260

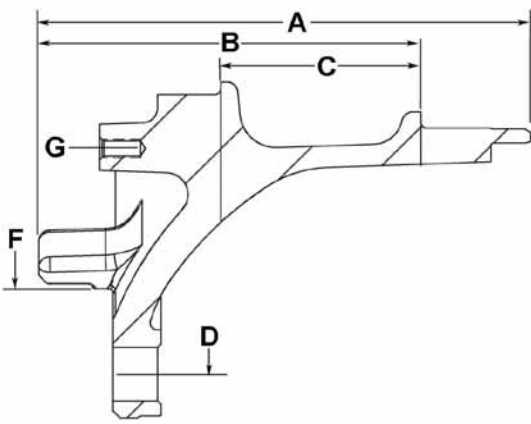
**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001926	Serrated 1-1/8"-16 L	Stud Piloted	Steel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-16034-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.847"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.873"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16034-003			09-001988	3237L1260
05-16034-005			09-001989	3237L1260

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-16055-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	13.189"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.019"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.43"
C	Distance Between Cups	3.38"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.05"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

### HUB PILOTED - Hub and Rotor Assemblies

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-16055-1001		09-001988	3237L1260	23-123647-002	17.09

### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

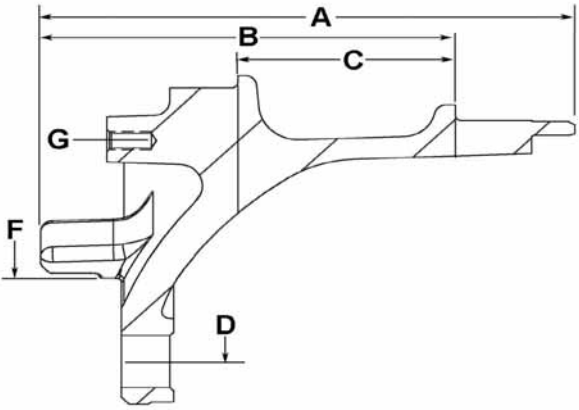
### ROTORS USED WITH HUB IN ASSEMBLIES

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123647-002	17.087	5.644	9.823	M16x2	10	7.638

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-16067-XXX</b>	Front Axle Hub Outboard Drum	10 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	11.25"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.043"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.45"
C	Distance Between Cups	3.375"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.65"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
05-16067-002		Wheel studs not included

### HUB PILOTED - Hub Assemblies without Drum or Rotor

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16067-005			09-001988	

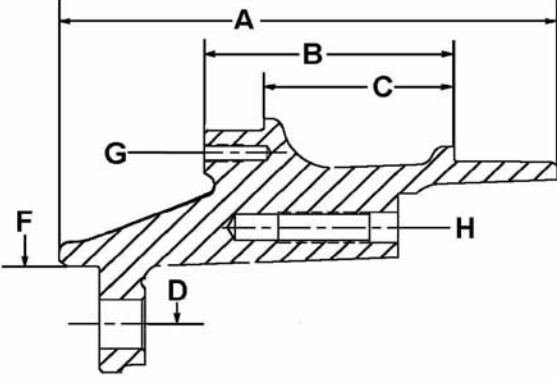
### WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# FRONT AXLE HUBS

FOR AXLE MODELS: Dana Spicer I-100, I-120, I-140, W15  
 Eaton EFA-12F3, EFA-12F4, EFA-13F4  
 Meritor FF-931, FF-941, FF-942, FF-943, FF-944, FF-961, FG-931, FG-900, FG-941, FG-943  
 Westport F3W-1200, F3W-1400, F6W-1200, F6W-1400

HUB NO.	DESCRIPTION	TYPE	
<b>05-16095-XXX</b>	Front Axle Hub Outboard Drum	8 Hole Serrated Studs	
<b>INNER BEARING</b>			
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>	
HM212011	HM212047 or HM212049	10.827"	
<b>OUTER BEARING</b>			
<b>CUP</b>	<b>CONE</b>		
3720	3782		

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	7.98"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.33"
C	Distance Between Cups	3.38"
D	Bolt Circle Diameter	10.827"
E	Wheel Stud Quantity	8
F	Pilot Diameter	8.689"
G	Hub Cap Hole Pattern	6, 5/16"-18; 4.50" B.C.
H	Rotor Mounting Hole Pattern	10, 9/16"-12; 7.25" B.C.

**HUB PILOTED - Hub Assemblies without Drum or Rotor**

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	WHEEL STUD	ABS RING NUMBER
05-16095-001			09-001988	

**HUB PILOTED - Hub and Rotor Assemblies**

HUB PART NUMBER	WHEEL TYPE	WHEEL STUD NUMBER	ABS RING NUMBER	ROTOR NUMBER	ROTOR OUTSIDE DIAMETER
17-16095-1000		09-001988		23-123550-004	15.00

**WHEEL STUDS USED WITH HUB IN ASSEMBLIES**

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001988	Serrated M22 x 1.5	Hub Piloted	Steel	Cast

**ROTORS USED WITH HUB IN ASSEMBLIES**

ROTOR PART NO.	OUTSIDE DIA.	OVERALL DEPTH	BOLT CIRCLE DIA.	BOLT HOLES		PILOT DIA.
				DIAMETER	NUMBER	
23-123550-004	15.000	3.380	7.250	.594	10	5.780

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# TRAILER HUBS

FOR AXLE MODELS: Dana Spicer D-21, K-21  
 Eaton C, C2, CB, CD, CD2, HC, HCE, E, ED, EH, 20L, 22L, 22R, 230C  
 Ingersoll A19H, A19S, DC19H  
 Meritor RL, TK, TL, TKLD, TKL  
 Standard Forge A-19H, A-19S

HUB NO.	DESCRIPTION	TYPE
<b>04-15413-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM218210	HM218248	13.189"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM212011	HM212049	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.93"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.74"
C	Distance Between Cups	3.35"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15413-004		Wheel studs not included

## HUB PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15413-003			09-002003	

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15413-050	Steel	Cast	09-001989		16.5 x 7	03-123025-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
03-123025-002	Cast Non-Balanced	16.50" x 7.00"	10.59"	11.25"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# TRAILER HUBS

FOR AXLE MODELS:

HUB NO.	DESCRIPTION	TYPE
04-15479-XXX	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM218210	HM218248	13.189"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM212011	HM212049	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.93"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.74"
C	Distance Between Cups	3.34"
D	Bolt Circle Diameter	13.189"
E	Wheel Stud Quantity	10
F	Pilot Diameter	11.25"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15479-1000 <sup>2</sup>	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123025-002	Outboard

## STUDS USED WITH HUB IN ASSEMBLIES

STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
03-123025-002	Cast Non-Balanced	16.50" x 7.00"	10.59"	11.25"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

<sup>2</sup> Includes 10 flanged cap nuts.



# TRAILER HUBS

FOR AXLE MODELS: Dana Spicer Eaton 225P, 230P, P22  
Hendrickson HP  
Meritor TP

Fruehauf Pro-Par  
Ingersoll A24H, A24S, F24

HUB NO.	DESCRIPTION	TYPE
04-15502-XXX	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM518410	HM518445	11.250"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM518410	HM518445	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	9.06"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	6.94"
C	Distance Between Cups	4.50"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6.25"-8 TPI

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15502-001		Wheel studs not included
04-15502-021		
04-15502-022	09-001867	

## STUD PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15502-029	RH	Aluminum, Steel	Cast	09-001910	
04-15502-030	LH	Aluminum, Steel	Cast	09-001911	
04-15502-031	RH	Aluminum, Steel	Cast	09-001910	09-001867
04-15502-032	LH	Aluminum, Steel	Cast	09-001911	09-001867

## HUB PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15502-002			09-001989	
04-15502-004	Steel	Cast	09-001989	09-001867
04-15502-005	Steel	Cast	09-001989	
04-15502-006	Aluminum	Cast, X30	09-002003	
04-15502-007	Aluminum	Cast, X30	09-002003	09-001867
04-15502-041			09-001989	09-001867

## STUD PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15502-087	RH	Aluminum, Steel	Cast	09-001910		16.5 x 7	03-123365-002	Outboard
14-15502-088	LH	Aluminum, Steel	Cast	09-001911		16.5 x 7	03-123365-002	Outboard

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# TRAILER HUBS

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15502-050	Steel	Cast	09-001989		16.5 x 7	03-123365-002	Outboard
14-15502-051	Aluminum	Cast	09-002003		16.5 x 7	03-123365-002	Outboard
14-15502-064	Steel	Cast	09-001989		16.5 x 7	03-123365-002	Outboard
14-15502-503	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123207-002	Outboard
14-15502-504	Aluminum	Cast	09-002003	09-001867	16.5 x 7	03-123207-002	Outboard

## STUDS USED WITH HUB IN ASSEMBLIES

STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001910	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	Cast
09-001911	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
03-123207-002	Cast Non-Balanced	16.50" x 7.00"	10.54"	8.78"
03-123365-002	Cast Non-Balanced	16.50" x 7.00"	10.59"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# LITE WEIGHT TP TRAILER HUBS

FOR AXLE MODELS: Dana Spicer Eaton 225P, 230P, P22  
 Fruehauf Pro-Par  
 Hendrickson HP  
 Ingersoll A24H, A24S, F24  
 Meritor TP

HUB NO.	DESCRIPTION	TYPE
<b>04-15968-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM518410	HM518445	11.250"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM518410	HM518445	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.08"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.96"
C	Distance Between Cups	4.50"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 6.75" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15968-045		Wheel studs not included

## HUB PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15968-002	Steel	Cast	09-001989	
04-15968-007	Steel	Cast	09-001989	09-001867
04-15968-009	Aluminum	Cast	09-002003	09-001867
04-15968-037			09-001989	
04-15968-038			09-001989	09-001867
04-15968-043			09-002003	
04-15968-044			09-002003	09-001867

## STUD PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15968-129	RH	Aluminum, Steel	Cast	09-001910		16.5 x 7	03-123207-002	Outboard
14-15968-130	LH	Aluminum, Steel	Cast	09-001911		16.5 x 7	03-123207-002	Outboard

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# LITE WEIGHT TP TRAILER HUBS

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15968-1033	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123207-002	Outboard
14-15968-1082	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123207-002	Outboard
14-15968-1083	Steel	Cast	09-001989		16.5 x 7	03-123207-002	Outboard
14-15968-1107X30	Steel	X30	09-002002	09-001867	16.5 x 7	53-123537-002	Outboard
14-15968-111	Steel	Cast	09-001989		16.5 x 7	03-123207-002	Outboard
14-15968-112	Aluminum	Cast	09-002003		16.5 x 7	03-123207-002	Outboard
14-15968-114	Aluminum	Cast	09-002003	09-001867	16.5 x 7	03-123207-002	Outboard
14-15968-1230	Steel	Cast	09-001989		16.5 x 7	03-123365-002	Outboard
14-15968-1234	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123365-002	Outboard
14-15968-1235	Aluminum	Cast	09-002003	09-001867	16.5 x 7	03-123365-002	Outboard
14-15968-350X30	Steel	X30	09-002002		16.5 x 7	53-123537-002	Outboard
14-15968-351X30	Aluminum	X30	09-002003		16.5 x 7	53-123537-002	Outboard
14-15968-352X30	Steel	X30	09-002002	09-001867	16.5 x 7	53-123537-002	Outboard
14-15968-353X30	Aluminum	X30	09-002003	09-001867	16.5 x 7	53-123537-002	Outboard
14-15968-1293MTB	Steel	Cast	09-001989	09-001867	16.5 x 8.63	85-123570-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001910	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	Cast
09-001911	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002002	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	X30
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
53-123537-002	X30	16.50" x 7.00"	10.38"	8.78"
03-123207-002	Cast Non-Balanced	16.50" x 7.00"	10.54"	8.78"
03-123365-002	Cast Non-Balanced	16.50" x 7.00"	10.59"	8.78"
85-123570-002	Cast MTB	16.50" x 8.63"	11.25"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# TRAILER HUBS

FOR AXLE MODELS: Meritor TL

HUB NO.	DESCRIPTION	TYPE
<b>04-15981-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
		11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.220"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.12"
C	Distance Between Cups	4.33"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.777"
G	Hub Cap Hole Pattern	6, 5/16"-18; 6.375" B.C.

## HUB PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15981-016			09-001989	
04-15981-017			09-001989	09-001867
04-15981-018			09-002003	
04-15981-019			09-002003	09-001867

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# LITE WEIGHT TN TRAILER HUBS

FOR AXLE MODELS: Dana Spicer Eaton 23L, 23R, D22, J, JE, JH, K22  
 Dexter D200K, D2225K  
 Hendrickson HN  
 Ingersoll A22H, A22S, A22T, DC22H, F22  
 K-B KBS, KBW  
 Meritor RN, RQ, TKN, TN, TQ, TQC, TQD  
 Std Forge A22H, A22S, A22T  
 Westport F3W-1600, F3W-1800, F3W-1800D, F3W-2000, F3W-2000D

HUB NO.	DESCRIPTION	TYPE
<b>04-15984-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM218210	HM218248	11.250"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM212011	HM212049	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.93"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.73"
C	Distance Between Cups	3.34"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.50" B.C.

HUB PART NUMBER	ABS RING NUMBER	COMMENTS
04-15984-001		Wheel studs not included
04-15984-004	09-001867	

## STUD PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15984-006	RH	Aluminum, Steel	Cast	09-001910	09-001867
04-15984-007	RH	Aluminum, Steel	Cast	09-001910	
04-15984-008	LH	Aluminum, Steel	Cast	09-001911	09-001967
04-15984-009	LH	Aluminum, Steel	Cast	09-001911	
04-15984-037	RH			09-002049	09-001867
04-15984-038	LH			09-002050	09-001867
04-15984-039	RH			09-002049	
04-15984-040	LH			09-002050	
04-15984-041	RH			09-001910	09-001867
04-15984-042	LH			09-001911	09-001867
04-15984-052	RH			09-001910	
04-15984-053	LH			09-001911	

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# LITE WEIGHT TN TRAILER HUBS

## HUB PILOTED - Hub Assemblies without Drum

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER
04-15984-002	Steel	Cast	09-001989	09-001867
04-15984-003	Steel	Cast	09-001989	
04-15984-004	Aluminum, Steel	Cast	09-002003	09-001867
04-15984-005	Aluminum, Steel	Cast	09-002003	
04-15984-010			09-001989	
04-15984-011			09-002003	
04-15984-012			09-001989	09-001867
04-15984-013			09-002003	09-001867
04-15984-036			09-002004	09-001867

## STUD PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	HAND	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15984-1184	RH	Aluminum, Steel	Cast	09-001910		16.5 x 7	03-123207-002	Outboard
14-15984-1185	LH	Aluminum, Steel	Cast	09-001911		16.5 x 7	03-123207-002	Outboard
14-15984-1186	RH	Aluminum, Steel	Cast	09-001910	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1187	LH	Aluminum, Steel	Cast	09-001911	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1537X30	RH	Steel	X30	09-002049	09-001867	16.5 x 7	53-123537-002	Outboard
14-15984-1540X30	LH	Steel	X30	09-002050		16.5 x 7	53-123537-002	Outboard

## HUB PILOTED - Hub and Drum Assemblies

HUB PART NUMBER	WHEEL TYPE	DRUM TYPE	STUD NUMBER	ABS RING NUMBER	DRUM SIZE	DRUM NUMBER	DRUM POSITION
14-15984-1016	Steel	Cast	09-001989		16.5 x 7	03-123207-002	Outboard
14-15984-1017	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1038X30	Aluminum	X30	09-002003		16.5 x 7	53-123537-002	Outboard
14-15984-1039X30	Aluminum	X30	09-002003	09-001867	16.5 x 7	53-123537-002	Outboard
14-15984-1067	Steel	Cast	09-001989		16.5 x 7	03-123207-002	Outboard
14-15984-1068	Aluminum	Cast	09-002003		16.5 x 7	03-123207-002	Outboard
14-15984-1069	Steel	Cast	09-001989	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1070	Aluminum	Cast	09-002003	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1072	Aluminum	Cast	09-002003	09-001867	16.5 x 7	03-123207-002	Outboard
14-15984-1081	Aluminum	Cast	09-002003		16.5 x 7	03-123207-002	Outboard
14-15984-1085X30	Steel	X30	09-002002		16.5 x 7	53-123537-002	Outboard
14-15984-1089X30	Steel	X30	09-002002	09-001867	16.5 x 7	53-123537-002	Outboard

## WHEEL STUDS USED WITH HUB IN ASSEMBLIES

WHEEL STUD NO.	THREAD TYPE SIZE	STYLE	WHEEL TYPE	USE WITH DRUM TYPE
09-001910	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	Cast
09-001911	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	Cast
09-001989	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	Cast
09-002002	Serrated M22 x 1.5	Hub Piloted	Steel Wheel	X30
09-002003	Serrated M22 x 1.5	Hub Piloted	Aluminum Wheel	Cast
09-002004	Serrated M22 x 1.5	Hub Piloted	Aluminum, Steel	Cast
09-002049	Serrated 3/4"-16 R	Stud Piloted	Steel Wheel	X30
09-002050	Serrated 3/4"-16 L	Stud Piloted	Steel Wheel	X30

## DRUMS USED WITH HUB IN ASSEMBLIES

DRUM NO.	DRUM TYPE	BRAKE SIZE	OVERALL DEPTH	PILOT DIAMETER
53-123537-002	X30	16.50" x 7.00"	10.38"	8.78"
03-123207-002	Cast Non-Balanced	16.50" x 7.00"	10.54"	8.78"

Note: Other combinations are available. For information please call the specifications department at 1-888-725-9355. Not all of the numbers listed above are stocked items; some may have lead times involved.

# TRAILER HUBS PRESET® BY ARVINMERITOR

FOR AXLE MODELS: Meritor TP

HUB NO.	DESCRIPTION	TYPE
<b>04-16040-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM518410	HM518445	11.250"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM518410	HM518445	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	8.08"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	5.96"
C	Distance Between Cups	4.50"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 6.75" B.C.

HUB PART NUMBER	INNER BRG CUP	OUTER BRG CUP	STUD NUMBER	ABS RING NUMBER
04-16040-008PST	HM518410	HM518410	09-001989	
04-16040-009PST	HM518410	HM518410	09-002003	
04-16040-010PST	HM518410	HM518410	09-001989	09-001867
04-16040-011PST	HM518410	HM518410	09-002003	09-001867

## PRESET® BY ARVINMERITOR HUB SERVICE KITS

PART NUMBER	HUB TYPE	COMMENTS
R930178	TP	Spacer Kit
R930180	TP	Bearing Set
R930182	TP	Seal Kit
R930184	TP	Complete Rebuild Kit - Bearings, Spacer and Seal

## PRESET® BY ARVINMERITOR HUBCAPS

PART NUMBER	HUB TYPE	COMMENTS
3262-J-1388	TP	Oil
3262-M-1391	TP	Grease

Note: Not available in hub/drum assemblies due to shipping protectors. Includes cups, cones, spacer, wheel seal and studs.



# TRAILER HUBS PRESET® BY ARVINMERITOR

FOR AXLE MODELS: Meritor TN/TQ

HUB NO.	DESCRIPTION	TYPE
<b>04-16048-XXX</b>	Trailer Axle Hub Outboard Drum	10 Hole Serrated Studs
<b>INNER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	<b>BOLT CIRCLE</b>
HM218210	HM218248	11.25"
<b>OUTER BEARING</b>		
<b>CUP</b>	<b>CONE</b>	
HM212011	HM212049	

DRAWING REFERENCE	ITEM	DIMENSION
A	Overall Length	6.93"
B	Outer Hub Cap Face To Inner Bearing Cup Seat	4.73"
C	Distance Between Cups	3.34"
D	Bolt Circle Diameter	11.25"
E	Wheel Stud Quantity	10
F	Pilot Diameter	8.78"
G	Hub Cap Hole Pattern	6, 5/16"-18; 5.5" B.C.

HUB PART NUMBER	INNER BRG CUP	OUTER BRG CUP	STUD NUMBER	ABS RING NUMBER
04-16048-001PST	HM218210	HM212011	09-001989	
04-16048-002PST	HM218210	HM212011	09-001989	09-001867
04-16048-003PST	HM218210	HM212011	09-002003	
04-16048-004PST	HM218210	HM212011	09-002003	09-001867

## PRESET® BY ARVINMERITOR HUB SERVICE KITS

PART NUMBER	HUB TYPE	COMMENTS
R930176	TN/TQ	Complete Rebuild Kit - Bearings, Spacer and Seal
R930177	TN/TQ	Spacer Kit
R930179	TN/TQ	Bearing Set
R930181	TN/TQ	Seal Kit

## PRESET® BY ARVINMERITOR HUBCAPS

PART NUMBER	HUB TYPE	COMMENTS
3262-K-1389	TN/TQ	Grease
3262-L-1390	TN/TQ	Oil

Note: Not available in hub/drum assemblies due to shipping protectors. Includes cups, cones, spacer, wheel seal and studs.









# NUMERICAL PARTS LISTING

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
4-X-1612	26,53,55	03-122971-002	13,16	04-15712-1000	30
3262-J-1388	103	03-122978-002	13,20	04-15719-002	31
3262-K-1389	104	03-123020-002	13,16	04-15719-1004	31
3262-L-1390	104	03-123024-002	13,17	04-15719-1005	31
3262-M-1391	103	03-123025-002	13,20,94,95	04-15728-002	33
03-012480-002	12,19	03-123200-002	13,19	04-15728-004	33
03-012488-002	12,21	03-123207-002	13,20,97,99,	04-15900-002	35
03-012582-002	12,19		102	04-15900-003	35
03-120376-002	12,20	03-123219-002	13,18	04-15900-004	35
03-120442-002	12,19	03-123254-002	13,16	04-15900-005	35
03-120459-002	12,16	03-123276-002	13,18	04-15923-001	36
03-120516-002	12,17	03-123297-002	13,19	04-15923-003	36
03-120517-002	12,17	03-123302-002	13,19	04-15930-002	37
03-120553-002	12,17	03-123331-002	13,17	04-15930-003	37
03-120566-002	12,16	03-123332-002	13,17	04-15937-002	38
03-120574-002	12,19	03-123365-002	13,20,97,99	04-15937-003	38
03-120586-002	12,19	03-123366-002	13,16	04-15943-002	39
03-120705-002	12,16	03-123382-002	13,17	04-15957-1000	40
03-120743-002	12,19	03-123383-002	13,18	04-15958-1000	41
03-120754-002	12,19	03-123396-002	13,17	04-15968-002	98
03-120822-002	12,16	03-123397-002	13,19	04-15968-007	98
03-120855-002	12,18	03-123398-002	13,19	04-15968-009	98
03-120877-002	12,20	03-123399-002	13,19	04-15968-037	98
03-120882-002	12,20	03-123406-002	13,20	04-15968-038	98
03-120936-002	12,21	03-123409-002	13,20	04-15968-043	98
03-120981-002	12,16	03-123420-002	13,16	04-15968-044	98
03-120988-002	12,18	03-123421-002	13,16	04-15968-045	98
03-122009-002	12,19	03-123427-002	13,18	04-15972-002	42
03-122011-002	12,17	03-123428-002	13,20	04-15972-003	42
03-122027-002	12,19	03-123430-002	13,19	04-15973-100	43
03-122078-002	12,16	03-123431-002	13,16	04-15974-001	44
03-122104-002	12,16	03-123448-002	13,17	04-15974-002	44
03-122126-002	12,19	03-123466-002	13,18	04-15975-001	45
03-122222-002	12,19	03-123493-002	13,17	04-15981-016	100
03-122239-002	12,19	03-123500-002	13,18	04-15981-017	100
03-122290-002	12,19	03-123520-002	13,20	04-15981-018	100
03-122314-002	12,16	03-123538-002	13,18	04-15981-019	100
03-122453-002	12,20	04-15413-003	94	04-15984-001	101
03-122455-002	12,19	04-15413-004	94	04-15984-002	102
03-122488-002	12,16	04-15502-001	96	04-15984-003	102
03-122513-002	12,20	04-15502-002	96	04-15984-004	101,102
03-122518-002	12,19	04-15502-004	96	04-15984-005	102
03-122529-002	12,17	04-15502-005	96	04-15984-006	101
03-122550-002	12,20	04-15502-006	96	04-15984-007	101
03-122561-002	12,17	04-15502-007	96	04-15984-010	102
03-122562-002	12,17	04-15502-021	96	04-15984-011	102
03-122575-002	12,16	04-15502-022	96	04-15984-012	102
03-122600-002	12,19	04-15502-029	96	04-15984-013	102
03-122603-002	12,19	04-15502-030	96	04-15984-036	102
03-122607-002	12,20	04-15502-031	96	04-15984-037	101
03-122683-002	12,19	04-15502-032	96	04-15984-038	101
03-122921-002	12,17	04-15502-041	96	04-15984-039	101
03-122925-002	12,19	04-15644-001	27	04-15984-040	101
03-122947-002	12,16	04-15673-002	28	04-15984-041	101
03-122948-002	12,19	04-15673-003	28	04-15984-042	101
03-122963-002	12,16	04-15673-036	28	04-15984-052	101
03-122964-002	12,16	04-15673-037	28	04-15984-053	101
03-122966-002	13,18	04-15712-002	30	04-15985-002	46

## NUMERICAL PARTS LISTING

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
04-15985-003	46	05-15954-005	74	09-001998	26,71,83
04-15985-004	46	05-15954-006	74	09-001999	25,58,67
04-15985-006	46	05-15955-1000	75	09-002000	25,58,67
04-16000-003	48	05-15964-1057	76	09-002002	25,72,74,82, 99,102
04-16000-007	48	05-15964-1058	76	09-002003	25,29,47,51, 52,53,56,94, 97,99,100, 102
04-16000-009	48	05-15967-1001	77	09-002004	25,29,32,42, 49,51,55,56, 102
04-16001-001	50	05-15976-001	78	09-002005	25,39,81
04-16001-003	50	05-15976-002	78	09-002013	25,73,76
04-16001-005	50	05-15977-002	79	09-002047	25,32,35
04-16002-004	52	05-15986-004	80	09-002048	25,32,35
04-16002-005	52	05-15988-001	81	09-002049	26,102
04-16009-002	53	05-15996-002	82	09-002050	26,102
04-16009-003	53	05-15996-003	82	09-002085	26,29
04-16012-002	55	05-16005-002	84	09-002086	26,29
04-16012-003	55	05-16007-002	85	09-002173	25,67
04-16048-001PST	104	05-16008-002	86	09-002184	25,32,35,37, 38
04-16048-002PST	104	05-16026-002	88	09-002223	25,45
04-16048-004PST	104	05-16033-003	89	09-002225	25,44,79
04-16062-005	56	05-16034-003	90	09-002226	25,44,79
04-16062-007	56	05-16034-005	90	09-002229	25,55
04-16062-015	56	05-16067-002	92	09-002232	25,78
04-16062-020	56	05-16067-005	92	09-861901	25
04-16062-021	56	05-16095-001	93	09-861902	25
05-15633-002	58	08-007591	26,35,38,39	13-123219-002	18,59
05-15633-003	58	08-007775	26,33	13-123302-002	19,59
05-15633-006	58	08-008551	26,47,49,51, 52,57	14-15413-050	94
05-15633-007	58	08-203868	26,37	14-15479-1000	95
05-15756-002	59	08-205435	26,29,32,34, 42,43	14-15502-050	97
05-15756-003	59	08-205740	26,57	14-15502-051	97
05-15805-001	60	08-205741	26,29,30,32, 40,41	14-15502-064	97
05-15863-002	61	09-001727	25,59,81,82, 88	14-15502-087	96
05-15863-003	61	09-001728	25,29,49,56, 88	14-15502-088	96
05-15871-002	62	09-001811	25,30,34,40	14-15502-503	97
05-15871-003	62	09-001826	25,60,75,77	14-15502-504	97
05-15873-002	63	09-001910	26,47,65,97, 99,102	14-15673-052MTB	28
05-15873-003	63	09-001911	26,47,65,97, 99,102	14-15673-1004MTB	28
05-15874-002	64	09-001925	25,58	14-15673-1008MTB	28
05-15874-003	64	09-001926	25,58,89	14-15673-1009MTB	28
05-15897-002	65	09-001958	25,65,68,69, 71	14-15968-1033	99
05-15897-003	65	09-001988	25,32,59,65, 66,68,69,71, 74,76,81,90, 91,92,93	14-15968-1082	99
05-15897-004	65	09-001989	25,32,33,35, 37,38,41,42, 47,49,51,53, 56,72,74,80, 90,94,95,97, 99,100,102	14-15968-1083	99
05-15897-005	65			14-15968-1107X30	99
05-15897-008	65			14-15968-111	99
05-15897-009	65			14-15968-112	99
05-15903-030	66			14-15968-114	99
05-15925-002	67			14-15968-1230	99
05-15925-003	67			14-15968-1234	99
05-15925-004	67			14-15968-1235	99
05-15931-002	68			14-15968-129	98
05-15931-003	68			14-15968-1293MTB	99
05-15932-002	69			14-15968-130	98
05-15932-003	69				
05-15935-002	70				
05-15935-003	70				
05-15935-004	70				
05-15935-005	70				
05-15938-1001	72				
05-15938-1002	72				

# NUMERICAL PARTS LISTING

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
14-15968-350X30	99	16-15958-1001	41	23-123529-002	23
14-15968-351X30	99	16-15972-1000	42	23-123532-002	23
14-15968-352X30	99	16-15973-1001	43	23-123547-002	23,66
14-15968-353X30	99	16-15974-1000	44	23-123550-004	23,93
14-15984-1016	102	16-15974-1001	44	23-123615-002	23,49
14-15984-1017	102	16-15975-1000	45	23-123617-004	43
14-15984-1038X30	102	16-15975-1001	45	23-123632-002	23,52
14-15984-1039X30	102	16-16000-1000	48	23-123642-002	23,49,51,80, 81,86
14-15984-1067	102	16-16000-1001	48	23-123647-002	23,53,85,91
14-15984-1068	102	16-16000-1006	48	53-123512-002	14,16
14-15984-1069	102	16-16000-1012	48	53-123535-002	14,20
14-15984-1070	102	16-16001-1000	50	53-123537-002	14,20,99,102
14-15984-1072	102	16-16001-1002	50	53-123542-002	14,17
14-15984-1081	102	16-16001-1004	50	53-123544-002	14,20
14-15984-1085X30	102	16-16002-1000	52	53-123564-002	14,20
14-15984-1089X30	102	16-16009-1000	53	53-123565-002	14,20
14-15984-1184	102	16-16009-1001	53	53-123566-002	14,20
14-15984-1185	102	17-15805-100	60	53-123567-002	14,16
14-15984-1186	102	17-15903-050	66	53-123568-002	14,17
14-15984-1187	102	17-15931-1000	68	53-123575-002	14,17
14-15984-1537X30	102	17-15932-1000	69	53-123579-002	14,20
14-15984-1540X30	102	17-15932-1001	69	53-123580-002	14,20
14-15985-1003MTB	46	17-15935-1000	70	53-123581-002	14,20
14-15985-1004MTB	46	17-15935-1001	70	53-123582-002	14,19
14-16062-1000MTB	56	17-15935-1002	70	53-123583-002	14,19
14-16062-1009MTB	56	17-15935-1003	70	53-123588-002	14,18
14-16062-1010MTB	56	17-15946-1000	73	53-123589-002	14,18
14-16062-1029MTB	56	17-15955-1000	75	53-123590-002	14,18
14-16062-1030MTB	56	17-15964-1006	76	53-123592-002	14,18
15-15633-1000MTB	58	17-15967-1000	77	53-123598-002	14,17
15-15633-1001MTB	58	17-15976-1001	78	53-123600-002	14,17
15-15633-1004MTB	58	17-15977-1000	79	53-123601-002	14,18
15-15633-1005MTB	58	17-15977-1001	79	53-123602-002	14,18
15-15756-102	59	17-15986-1005	80	53-123605-002	14,18
15-15756-300	59	17-15988-1001	81	53-123606-002	14,18
15-15756-301	59	17-15988-1002	81	53-123607-002	14,19
15-15938-1003MTB	72	17-15997-1000	83	53-123608-002	14,18
15-15954-1005MTB	74	17-16007-1000	85	53-123609-002	14,17
15-15954-1011MTB	74	17-16008-1000	86	53-123627-002	14,18
15-15954-1014MTB	74	17-16010-1000	87	85-120516-002	14,17
15-15954-1015MTB	74	17-16055-1001	91	85-120517-002	14,17
15-15954-1016MTB	74	17-16095-1000	93	85-120586-002	14,19
15-15996-1000MTB	82	23-122687-002	22,24	85-120855-002	14,18
15-15996-1002MTB	82	23-122688-002	22,24	85-120877-002	14,20
15-16026-1002MTB	88	23-122897-002	22	85-122009-002	14,19
15-16026-1006MTB	88	23-123296-002	22,24	85-122011-002	14,17
15-16026-1007MTB	88	23-123341-002	22	85-122103-002	14,19
16-15719-075	31	23-123434-002	22,24	85-122266-002	14,18
16-15719-076	31	23-123439-002	22	85-122505-002	14,16
16-15719-1000	32	23-123440-002	22,24	85-122518-002	14,19
16-15719-1001	32	23-123443-002	22,24	85-122550-002	14,20
16-15719-1005	32	23-123458-002	22,24	85-122600-002	14,19
16-15719-1006	32	23-123460-002	22,24	85-122683-002	14,19
16-15719-1011	32	23-123480-002	22,24	85-122921-002	14,17
16-15719-203	31	23-123494-002	22,24	85-122947-002	14,16
16-15719-204	31	23-123497-002	23	85-122948-002	14,19
16-15740-100	34	23-123522-002	23,83,87	85-122954-002	14,18
16-15943-1000	39	23-123527-002	23,60		



# NUMERICAL PARTS LISTING

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
85-122964-002	15,16				
85-122966-002	15,18				
85-123200-002	15,19				
85-123203-002	15,17				
85-123207-002	15,20,47,57				
85-123254-002	15,16				
85-123276-002	15,18				
85-123297-002	15,19				
85-123331-002	15,17				
85-123332-002	15,17				
85-123345-002	15,16				
85-123348-002	15,20				
85-123365-002	15,20,57				
85-123366-002	15,16				
85-123370-002	15,18				
85-123382-002	15,17				
85-123383-002	15,18				
85-123396-002	15,17,74				
85-123397-002	15,19,29				
85-123399-002	15,19				
85-123400-002	15,19,74				
85-123406-002	15,20				
85-123409-002	15,20				
85-123420-002	15,16,58				
85-123421-002	15,16				
85-123427-002	15,18				
85-123428-002	15,20				
85-123431-002	15,16				
85-123444-002	15,17				
85-123448-002	15,17				
85-123463-002	15,18,74				
85-123465-002	15,17,72				
85-123466-002	15,18,29				
85-123470-002	15,18				
85-123520-002	15,20				
85-123548-002	15,17				
85-123553-002	15,17				
85-123556-002	15,18				
85-123561-002	15,19,82				
85-123569-002	15,19				
85-123570-002	15,20,99				
85-123651-002	15,19				
85-123652-002	15,20,47				
R44141856	23				
R44141875	23				
R447184	23				
R447185	23				
R448904	23				
R930176	104				
R930177	104				
R930178	103				
R930179	104				
R930180	103				
R930181	104				
R930182	103				
R930184	103				

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