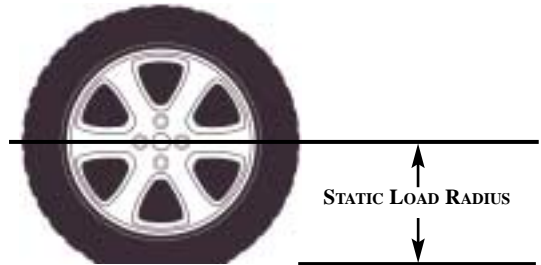


# Tires and Wheels

## Common Tire Terms

- Section Width:** Maximum width of a tire in millimeters measured on a rim with optimal width.
- Aspect Ratio:** A dimensional relationship of the tire's section height to one section width. The lower the aspect ratio, the shorter the side wall and quicker the steering response.
- Load Range:** A letter designation used to identify a given size tire with its load and inflation limits when in a specific type of service.
- Overall Diameter:** The diameter of a properly inflated tire at the outer most surface of the tread.
- Static Load Radius:** The height from the tire centerline to the ground under a fully loaded condition.
- Design Rim Width:** The range of rim width that a tire is designed to fit.

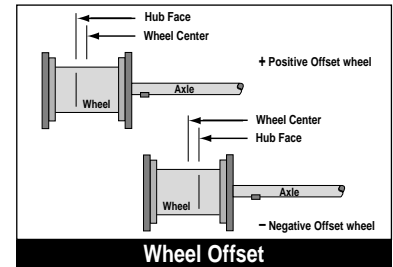


## Determining Wheel Offset

Offset is the distance between the mounting face of the disc and the rim centerline.

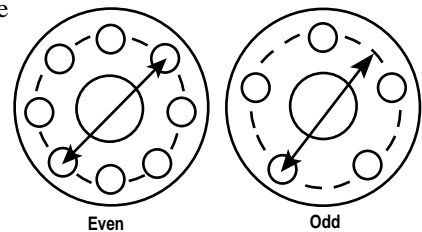
**Positive Offset:** Refers to the distance when the mounting face is outside of the actual centerline.

**Negative Offset:** Refers to the distance when the mounting face is inside of the actual centerline.



## Determining Bolt Pattern

Match wheels to hubs by the number of bolts and bolt circle. To determine the bolt circle on wheels with an even number of bolt holes measure center-to-center on bolt holes directly across from each other on the circumference (Example: 8 on 6.5" would mean 8 bolt holes with 6.5" center-to-center diameter). On odd number bolt wheels measure any bolt hole center to the point halfway between bolt holes on the circumference (Example: 5 on 4.5" would mean 5 bolt holes with 4.5" measure to a point halfway between the opposite bolts).

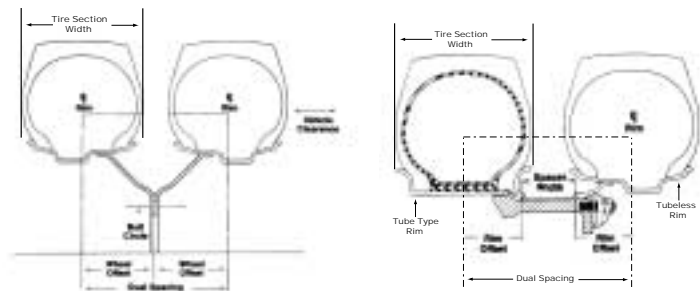


We offer a **Bolt Circle Template** for determining 5 bolt patterns. (*Part #BCT*)

## Dual Wheel/Rim Spacing

To determine the dual spacing dimension of two disc wheels or demountable rims, add their offsets; for rims, also add spacer width (see diagrams). The clearance between tires may be calculated by subtracting the width of one tire section from the dual spacing dimension.

It should be noted that the outside dual wheel's offset and rim width directly affects the overall width of the vehicle's running gear (one side to the other). Maximum overall width is set by state and federal law. Inboard clearance to vehicle is directly affected by the inner dual wheel rim width and offset.



# Tires and Wheels

Our O.E.M. style wheels are built to industry standards and offer functionality as well as value.



4602



O.E.M. SINGLE WHEELS						
Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4609	O.E.M.	13" x 4.5"	4 on 4"	+ .25"	2.500"	1,250 lbs.
4608	O.E.M.	13" x 4.5"	5 on 4.5"	+ .76"	2.620"	1,315 lbs.
4606	O.E.M.	14" x 5.5"	5 on 4.5"	+ .50"	2.620"	1,870 lbs.
4641	O.E.M.	14.5" x 6"	6 on 5.5"	+ .62"	3.65"	2,600 lbs.
4601	O.E.M.	15" x 5"	5 on 4.5"	+ .50"	2.620"	1,820 lbs.
4602	O.E.M.	15" x 6"	6 on 5.5"	+ .50"	3.670"	2,600 lbs.
4603	O.E.M.	16" x 6"	6 on 5.5"	+ .50"	3.670"	3,045 lbs.
4605	O.E.M.	16" x 6"	8 on 6.5"	+ .50"	4.878"	3,500 lbs.
4604	O.E.M.	16.5" x 6.75"	8 on 6.5"	+ .50"	4.890"	3,530 lbs.
4640	O.E.M.	16.5" x 9.75"	8 on 6.5"	- .50"	4.78"	4,000 lbs.
4620	O.E.M.	17.5" x 6.75"	8 on 6.5"	- .31"	4.75"	4,500 lbs.

These white spoke wheels have the same features as our OEM wheels plus an attractive finish.

4830



WHITE SPOKE SINGLE WHEELS						
Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4830	Spoke	12" x 3.5"	5 on 4.5"	0	3.195"	1,045 lbs.
4821	Spoke	13" x 4.5"	5 on 4.5"	0	3.195"	1,360 lbs.
4826	Spoke	14" x 6"	5 on 4.5"	0	3.195"	1,870 lbs.
4827	Spoke	15" x 5"	5 on 4.5"	0	3.195"	1,820 lbs.
4840	Spoke	15" x 5"	5 on 5"	0	3.195"	1,820 lbs.
4828	Spoke	15" x 6"	6 on 5.5"	0	4.245"	2,600 lbs.
4841	Spoke	16" x 6"	8 on 6.5"	0	4.885"	3,500 lbs.

Our white modular wheels are electro-coated for weather resistance.

4841-M



WHITE MODULAR SINGLE WHEELS						
Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4821-M	Modular	13" x 4.5"	5 on 4.5"	0	3.195"	1,660 lbs.
4826-M	Modular	14" x 6"	5 on 4.5"	0	3.195"	1,870 lbs.
4827-M	Modular	15" x 5"	5 on 4.5"	0	3.195"	1,820 lbs.
4828-M	Modular	15" x 6"	6 on 5.5"	0	4.245"	2,600 lbs.
4841-M	Modular	16" x 6"	8 on 6.5"	0	4.885"	3,500 lbs.

Chrome color wheels offer an attractive look without the maintenance of a plated finish.

4828-MS



CHROME COLOR SINGLE WHEELS						
Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4821-MS	Modular	13" x 4.5"	5 on 4.5"	0	3.195"	1,660 lbs.
4827-MS	Modular	15" x 5"	5 on 4.5"	0	3.195"	1,820 lbs.
4840-MS	Modular	15" x 5"	5 on 5"	0	3.195"	1,820 lbs.
4828-MS	Modular	15" x 6"	6 on 5.5"	0	4.245"	2,600 lbs.
4841-MS	Modular	16" x 6"	8 on 6.5"	+ .50"	4.885"	3,500 lbs.
4841-SS	Spoke	16" x 6"	8 on 6.5"	+ .50"	5.125"	3,500 lbs.

<sup>‡</sup> Capacities listed are rated for trailer use only.

# Tires and Wheels

These chrome-plated wheels make the perfect finishing touch to dress up your trailer.



## CHROME SINGLE WHEELS

Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4817CM	Modular	13" x 5.5"	5 on 4.5"	0	2.950"	1,480 lbs.
4606CM	Modular	14" x 6"	5 on 4.5"	0	3.300"	1,870 lbs.
4627CS	Spoke	15" x 6"	5 on 4.5"	0	3.300"	2,150 lbs.
4602CS	Spoke	15" x 6"	6 on 5.5"	0	4.270"	2,150 lbs.
4605CM	Modular	16" x 6"	8 on 6.5"	0	5.150"	3,180 lbs.

4817CM



For applications where greater protection against the elements of salt water and weather is needed, galvanized wheels are your best choice.

## GALVANIZED SINGLE WHEELS

Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4624GS	Spoke	12" x 4"	4 on 4"	0	2.820"	1,045 lbs.
4625GS	Spoke	12" x 4"	5 on 4.5"	0	2.950"	1,045 lbs.
4621GS	Spoke	13" x 4.5"	5 on 4.5"	0	2.950"	1,315 lbs.
4606GS	Spoke	14" x 6"	5 on 4.5"	0	3.300"	1,870 lbs.

4821GS



Aluminum modular wheels give your trailer that unique custom look that sets it apart from others. A clear coat finish assures that this wheel maintains its luster and shine.

## ALUMINUM MODULAR SINGLE WHEELS

Part #	Style	Diam./Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
4856-AM	Modular	14" x 6"	5 on 4.5"	+47"	3.20"	1,870 lbs.
4617-AM	Modular	15" x 7"	5 on 4.5"	0	3.20"	2,100 lbs.
4828-AM	Modular	15" x 7"	6 on 5.5"	0	4.245"	2,600 lbs.
4835-AM	Modular	16" x 7"	6 on 5.5"	+50"	4.245"	3,045 lbs.
4836-AM	Modular	16" x 7"	8 on 6.5"	+50"	5.150"	3,200 lbs.

4617-AM



The selection of dual wheels from Hayes Lemmerz include light truck wheels as well as various heavy duty designs and configurations for larger trailers.

## DUAL RIMS & WHEELS – HAYES LEMMERZ

Part #	Piloted	Diameter / Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
6515LWD	Spoke	15" x 6.5"	N/A	+3.715"	N/A	4,290 lbs.
7515LWD	Spoke	15" x 7.5"	N/A	+4.258"	N/A	5,520 lbs.
825245DVL	Spoke	24.5" x 8.25"	N/A	+4.75"	N/A	7,300 lbs.
825225DVL	Spoke	22.5" x 8.25"	N/A	+4.75"	N/A	7,300 lbs.
4610	Hub	16" x 6"	8 on 6.5"	+5.00"	4.890"	3,000 lbs.
4610-C	Stud	16" x 6"	8 on 6.5"	+5.00"	4.870"	2,500 lbs.
4611	Hub	16.5" x 6.75"	8 on 6.5"	+5.40"	4.890"	3,000 lbs.
4612	Hub	16" x 6"	8 on 6.5"	+5.35"	4.890"	3,000 lbs.
4612-C	Stud	16" x 6"	8 on 6.5"	+5.35"	4.870"	2,500 lbs.
87905E	Stud	22.5" x 8.25"	10 on 11.25"	+6.62"	8.725"	7,400 lbs.
90541E	Hub	22.5" x 8.25"	10 on 285.75mm	+6.62"	220mm	7,400 lbs.
87897E	Stud	24.5" x 8.25"	10 on 11.25"	+6.62"	8.725"	7,300 lbs.
90542E	Hub	24.5" x 8.25"	10 on 285.75mm	+6.62"	220mm	7,300 lbs.



4612-C



Note: \* - C stands for coined wheel and requires attention to mounting procedures and a different hub configuration.  
<sup>‡</sup> - Capacities listed are rated for trailer use only.

# Tires and Wheels

Steel wheels from Accuride are available in the popular 17.5" size for your low boy trailer design.

**ACCURIDE**



27404W

DUAL RIMS & WHEELS – ACCURIDE						
Part #	Piloted	Diameter / Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
31868175W	Spoke	17.5" x 6.75"	N/A	+3.90"	N/A	4,850 lbs.
30391225W	Spoke	22.5" x 8.25"	N/A	+4.75"	N/A	7,300 lbs.
30391245W	Spoke	24.5" x 8.25"	N/A	+4.75"	N/A	7,300 lbs.
28145G	Stud	17.5" x 6.75"	6 on 8.75"	+6.12"	6.50"	5,070 lbs.
28112G	Stud	17.5" x 6.75"	10 on 8.75"	+6.19"	6.50"	5,070 lbs.
27404W	Stud	22.5" x 8.25"	10 on 11.25"	+6.62"	8.72"	7,300 lbs.
28408W	Hub	22.5" x 8.25"	10 on 285.75mm	+6.62"	220mm	7,390 lbs.
27406W	Stud	24.5" x 8.25"	10 on 11.25"	+6.62"	8.72"	7,300 lbs.
28409W	Hub	24.5" x 8.25"	10 on 285.75mm	+6.62"	220mm	7,390 lbs.

Aluminum wheels offer great looks and reduced weight. These wheels from Alcoa, the industry leader, offer increased payload capacity, fuel savings and reduced maintenance.



**ALCOA**



DUAL WHEELS – ALCOA						
Part #	Piloted	Diameter / Width	Bolt Pattern	Offset	Pilot Bore	Capacity <sup>‡</sup>
663070*	Stud	17.5" x 6.75"	10 on 8.75"	+5.56"	6.495"	5,070 lbs.
883110*	Stud	22.5" x 8.25"	10 on 11.25"	+6.66"	8.73"	7,200 lbs.
883620*	Hub	22.5" x 8.25"	10 on 285.75mm	+6.66"	220.1mm	7,300 lbs.
983120*	Stud	24.5" x 8.25"	10 on 11.25"	+6.60"	8.73"	7,200 lbs.
983620*	Hub	24.5" x 8.25"	10 on 285.75mm	+6.60"	220.1mm	7,300 lbs.

\* Change last digit in part number from 0 to 1 for front (outside) polished wheel; Change last digit in part number from 0 to 2 for rear (inside) polished wheel; Change last digit in part number from 0 to 3 for both sides polished wheel.

We offer the General Tire "ST" series tire which has been specifically designed for the trailer industry. These tires are steel belted for extra strength and durability.



ST225/75R15-D



GENERAL TIRE BRAND TIRES							
Part #	Load Range	Outside Diameter	Section Width	Rim Width	Load Radius	Maximum Load - Single	Maximum Load - Dual
ST205/75R14-B	B	26.1"	8.0"	5.5"	10.8"	1,430 lbs. @ 35 psi	N/A
ST205/75R14-C	C	26.1"	8.0"	5.5"	10.8"	1,760 lbs. @ 50 psi	N/A
ST205/75R15-B	B	27.1"	8.0"	5.5"	11.3"	1,480 lbs. @ 35 psi	N/A
ST205/75R15-C	C	27.1"	8.0"	5.5"	11.3"	1,820 lbs. @ 50 psi	N/A
ST225/75R15-C	C	28.3"	8.9"	6.0"	12.3"	2,150 lbs. @ 50 psi	N/A
ST225/75R15-D	D	28.3"	8.9"	6.0"	12.3"	2,540 lbs. @ 65 psi	N/A
LT215/85R16-E	E	30.0"	8.5"	6.0"	13.2"	2,680 lbs. @ 80 psi	2,470 lbs. @ 80 psi
LT235/85R16-E	E	31.1"	9.2"	6.5"	13.8"	3,042 lbs. @ 80 psi	2,778 lbs. @ 80 psi
LT245/75R16-E	E	30.3"	9.7"	7.0"	12.9"	3,042 lbs. @ 80 psi	2,778 lbs. @ 80 psi



750X16-D

HEAVY-DUTY BIAS TRAILER TIRES							
Part #	Load Range	Outside Diameter	Section Width	Rim Width	Load Radius	Maximum Load - Single	Maximum Load - Dual
700X15LT	C	29.8"	8.3"	5.5"	13.8"	1,720 lbs. @ 45 psi	N/A
700X15	D	29.8"	8.3"	5.5"	13.8"	2,040 lbs. @ 60 psi	N/A
750X16-D	D	31.6"	8.9"	6.0"	14.8"	2,440 lbs. @ 60 psi	2,040 lbs. @ 60 psi
750X16-E	E	31.6"	8.9"	6.0"	14.8"	2,780 lbs. @ 75 psi	2,440 lbs. @ 75 psi

# Tires and Wheels

Also available are alternate brand trailer tires for your convenience. Just select the wheel and tire you want and we will mount them for you. Other sizes available.

## RADIAL TRAILER TIRES

Part #	Load Range	Outside Diameter	Section Width	Rim Width	Load Radius	Maximum Load - Single	Maximum Load - Dual
175-80-R13	B	24.0"	7.0"	5.0"	10.7"	1,179 lbs. @ 35 psi	N/A
205-75-R14	B	26.1"	8.0"	5.5"	11.6"	1,632 lbs. @ 35 psi	N/A
205-75-R15	B	27.1"	8.0"	5.5"	12.1"	1,598 lbs. @ 35 psi	N/A
225-75-R15	B	28.3"	8.8"	6.0"	12.5"	1,874 lbs. @ 35 psi	N/A
235-75-R15XL	B	28.9"	9.3"	6.5"	12.7"	2,183 lbs. @ 41 psi	N/A
LT235-85-R16E	E	31.5"	9.2"	6.5"	14.5"	3,042 lbs. @ 80 psi	2,778 lbs. @ 80 psi

175-80-R13



Chrome hub caps have been an industry choice to complement all OEM style wheels for years. The ideal way to add a "touch of class" to your trailer.

## CHROME HUB CAPS

Part #	Wheel Size	Flange Diameter	Overall Height	Overall Width
4650	15" cone	10.20"	3.05"	10.62"
4651	15"	8.74"	2.41"	9.03"
4653	13", 14", 15"	9.25"	2.62"	9.62"
4652	16", 16.5"	11.67"	2.81"	12.22"



4650

4651

## VALVE STEMS

Part #	Description	Application	Effective Length	Max. Air Pressure
TR413	Snap-in valve	Fits .453" rim hole	1.25"	60 psi
TR415	Snap-in valve	Fits .625" rim hole	1.25"	60 psi
TR416*	Clamp-in metal valve	Fits .453" & .625" rim holes	1.25"	N/A
TR572**	Clamp-in metal truck valve	Fits .625" rim hole	3.75"	N/A

\*Note: Includes grommets for .453" and .625" rim holes.

\*\*Note: Metal clamp-in type valve for use on rims where the rim hole is located on the backside of the rim. Complete with all fittings, valve cap and valve core.



TR415

TR413



TR572

TR416

Add style to your wheels with these chrome center caps which are available for standard axles or Accu-Lube spindles. Some sizes are available in plastic.

## CENTER CAPS

Part #	Wheel Center Size	Description	Material
CH319STD	3.195"	Closed end	Chrome
CH319AL	3.195"	Open end	Chrome
CH330STD	3.300"	Closed end	Chrome
CH425STD	4.255"	Closed end	Chrome
CH425AL	4.255"	Open end	Chrome
CH4885STD	4.885"	Closed end	Chrome
CH4885AL	4.885"	Open end	Chrome
CH490STD	4.900"	Closed end	Chrome
CH490AL	4.900"	Open end	Chrome
CH5125STD	5.125"	Closed end	Chrome
CH5125AL	5.125"	Open end	Chrome



CH319AL



CH319STD

# Tires and Wheels

Our branches stock small tire and wheel assemblies for most of the applications in our industry. The 8" and 10" assemblies have a plain wheel and the 12" and 13" feature a spoke wheel. Most are available in a galvanized finish.

SMALL DIAMETER TIRE AND WHEEL ASSEMBLIES											
Part #	Wheel					Tire					
	Rim Diameter	Bolt Pattern	Pilot Bore	Style	Finish	Tire Size	Diam.	Width	PSI	Load Range	Load Limit
4801	8"	4 on 4"	2.50"	Plain	Painted	4.80-8	16.4"	4.9"	60	B	590 lbs.
4801-G	8"	4 on 4"	2.50"	Plain	Galvanized	4.80-8	16.4"	4.9"	60	B	590 lbs.
4806	8"	4 on 4"	2.50"	Plain	Painted	5.70-8	18.3"	5.7"	50	B	715 lbs.
4806-G	8"	4 on 4"	2.50"	Plain	Galvanized	5.70-8	18.3"	5.7"	50	B	715 lbs.
4808	8"	4 on 4"	2.50"	Plain	Painted	5.70-8	18.3"	5.7"	75	C	910 lbs.
4808-G	8"	4 on 4"	2.50"	Plain	Galvanized	5.70-8	18.3"	5.7"	75	C	910 lbs.
4803	8"	5 on 4.5"	2.83"	Plain	Painted	4.80-8	16.4"	4.9"	60	B	590 lbs.
4803-G	8"	5 on 4.5"	2.83"	Plain	Galvanized	4.80-8	16.4"	4.9"	60	B	590 lbs.
4807	8"	5 on 4.5"	2.82"	Plain	Painted	5.70-8	18.3"	5.7"	50	B	715 lbs.
4807-G	8"	5 on 4.5"	2.82"	Plain	Galvanized	5.70-8	18.3"	5.7"	50	B	715 lbs.
4809	8"	5 on 4.5"	2.82"	Plain	Painted	5.70-8	18.3"	5.7"	75	C	910 lbs.
4809-G	8"	5 on 4.5"	2.82"	Plain	Galvanized	5.70-8	18.3"	5.7"	75	C	910 lbs.
4805	8"	5 on 4.5"	2.82"	Plain	Painted	18.5x8.5-8	18.3"	8.3"	35	B	770 lbs.
4811	10"	4 on 4"	2.50"	Plain	Painted	20.5x8.0-10	20.7"	8.2"	50	C	1,105 lbs.
4811-G	10"	4 on 4"	2.50"	Plain	Galvanized	20.5x8.0-10	20.7"	8.2"	50	C	1,105 lbs.
4810	10"	5 on 4.5"	2.95"	Plain	Painted	20.5x8.0-10	20.7"	8.2"	50	C	1,105 lbs.
4810-G	10"	5 on 4.5"	2.95"	Plain	Galvanized	20.5x8.0-10	20.7"	8.2"	50	C	1,105 lbs.
4810-E	10"	5 on 4.5"	2.95"	Plain	Painted	20.5x8.0-10	20.7"	8.2"	90	E	1,535 lbs.
4810-EG	10"	5 on 4.5"	2.95"	Plain	Galvanized	20.5x8.0-10	20.7"	8.2"	90	E	1,535 lbs.
4802	12"	4 on 4"	2.82"	Spoke	Painted	4.80-12	20.6"	4.9"	60	B	780 lbs.
4802-G	12"	4 on 4"	2.82"	Spoke	Galvanized	4.80-12	20.6"	4.9"	60	B	780 lbs.
4812	12"	4 on 4"	2.82"	Spoke	Painted	5.30-12	21.4"	5.4"	55	B	840 lbs.
4812-G	12"	4 on 4"	2.82"	Spoke	Galvanized	5.30-12	21.4"	5.4"	55	B	840 lbs.
4814	12"	4 on 4"	2.82"	Spoke	Painted	5.30-12	21.4"	5.4"	80	C	1,045 lbs.
4814-G	12"	4 on 4"	2.82"	Spoke	Galvanized	5.30-12	21.4"	5.4"	80	C	1,045 lbs.
4804	12"	5 on 4.5"	2.95"	Spoke	Painted	4.80-12	20.6"	4.9"	60	B	780 lbs.
4804-G	12"	5 on 4.5"	2.95"	Spoke	Galvanized	4.80-12	20.6"	4.9"	60	B	780 lbs.
4813	12"	5 on 4.5"	2.95"	Spoke	Painted	5.30-12	21.4"	5.4"	55	B	840 lbs.
4813-G	12"	5 on 4.5"	2.95"	Spoke	Galvanized	5.30-12	21.4"	5.4"	55	B	840 lbs.
4815	12"	5 on 4.5"	2.95"	Spoke	Painted	5.30-12	21.4"	5.4"	80	C	1,045 lbs.
4815-G	12"	5 on 4.5"	2.95"	Spoke	Galvanized	5.30-12	21.4"	5.4"	80	C	1,045 lbs.
4816	13"	5 on 4.5"	2.95"	Spoke	Painted	B78-13 ST	29.0"	7.1"	35	B	1,065 lbs.
4816-G	13"	5 on 4.5"	2.95"	Spoke	Galvanized	B78-13 ST	29.0"	7.1"	35	B	1,065 lbs.
4817	13"	5 on 4.5"	2.95"	Spoke	Painted	B78-13 ST	24.0"	7.1"	50	C	1,315 lbs.
4817-G	13"	5 on 4.5"	2.95"	Spoke	Galvanized	B78-13 ST	24.0"	7.1"	50	C	1,315 lbs.

# Tires and Wheels

These tire and wheel packages feature "General" tires for reliability. They are mounted at the branch for your convenience.

RADIAL TIRE AND WHEEL ASSEMBLIES								
Part #	Wheel					Tire		Assembly
	Rim Dia.	Bolt Pattern	Rim Width	Pilot Bore	Style	Tire Size	Max. Cap.	Assy. Cap.
4606-205B	14"	5 on 4.5"	5.5"	2.620"	O.E.M.	ST205/75R14-B	1,430 lbs.	1,430 lbs.
4606-205C	14"	5 on 4.5"	5.5"	2.620"	O.E.M.	ST205/75R14-C	1,760 lbs.	1,760 lbs.
4826-205B	14"	5 on 4.5"	6"	3.195"	White spoke	ST205/75R14-B	1,430 lbs.	1,430 lbs.
4826-205C	14"	5 on 4.5"	6"	3.195"	White spoke	ST205/75R14-C	1,760 lbs.	1,760 lbs.
4826-M-205B	14"	5 on 4.5"	6"	3.195"	White mod	ST205/75R14-B	1,430 lbs.	1,430 lbs.
4826-M-205C	14"	5 on 4.5"	6"	3.195"	White mod	ST205/75R14-C	1,760 lbs.	1,760 lbs.
4601-205B	15"	5 on 4.5"	5"	2.620"	O.E.M.	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4601-205C	15"	5 on 4.5"	5"	2.620"	O.E.M.	ST205/75R15-C	2,150 lbs.	1,820 lbs.
4601-225D	15"	5 on 4.5"	5"	2.620"	O.E.M.	ST225/75R15-D	2,540 lbs.	1,820 lbs.
4827-205B	15"	5 on 4.5"	5"	3.195"	White spoke	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4827-205C	15"	5 on 4.5"	5"	3.195"	White spoke	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4827-225C	15"	5 on 4.5"	5"	3.195"	White spoke	ST225/75R15-C	2,150 lbs.	1,820 lbs.
4827-225D	15"	5 on 4.5"	5"	3.195"	White spoke	ST225/75R15-D	2,540 lbs.	1,820 lbs.
4827-M-205B	15"	5 on 4.5"	5"	3.195"	White mod	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4827-M-205C	15"	5 on 4.5"	5"	3.195"	White mod	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4827-M-225C	15"	5 on 4.5"	5"	3.195"	White mod	ST205/75R15-C	2,150 lbs.	1,820 lbs.
4827-M-225D	15"	5 on 4.5"	5"	3.195"	White mod	ST225/75R15-D	2,540 lbs.	1,820 lbs.
4840-205B	15"	5 on 5"	5"	3.195"	White spoke	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4840-205C	15"	5 on 5"	5"	3.195"	White spoke	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4840-225C	15"	5 on 5"	5"	3.195"	White spoke	ST225/75R15-C	2,150 lbs.	1,820 lbs.
4840-225D	15"	5 on 5"	5"	3.195"	White spoke	ST225/75R15-D	2,540 lbs.	1,820 lbs.
4602-205B	15"	6 on 5.5"	6"	3.670"	O.E.M.	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4602-205C	15"	6 on 5.5"	6"	3.670"	O.E.M.	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4602-225C	15"	6 on 5.5"	6"	3.670"	O.E.M.	ST225/75R15-C	2,150 lbs.	2,150 lbs.
4602-225D	15"	6 on 5.5"	6"	3.670"	O.E.M.	ST225/75R15-D	2,540 lbs.	2,540 lbs.
4828-205B	15"	6 on 5.5"	6"	4.245"	White spoke	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4828-205C	15"	6 on 5.5"	6"	4.245"	White spoke	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4828-225C	15"	6 on 5.5"	6"	4.245"	White spoke	ST225/75R15-C	2,150 lbs.	2,150 lbs.
4828-225D	15"	6 on 5.5"	6"	4.245"	White spoke	ST225/75R15-D	2,540 lbs.	2,540 lbs.
4828-M-205B	15"	6 on 5.5"	6"	4.245"	White mod	ST205/75R15-B	1,480 lbs.	1,480 lbs.
4828-M-205C	15"	6 on 5.5"	6"	4.245"	White mod	ST205/75R15-C	1,820 lbs.	1,820 lbs.
4828-M-225C	15"	6 on 5.5"	6"	4.245"	White mod	ST225/75R15-C	2,150 lbs.	2,150 lbs.
4828-M-225D	15"	6 on 5.5"	6"	4.245"	White mod	ST225/75R15-D	2,540 lbs.	2,540 lbs.
4603-LT235E	16"	6 on 5.5"	6"	3.670"	O.E.M.	LT235/85R16-E	3,042 lbs.	3,042 lbs.
4605-LT235E	16"	8 on 6.5"	6"	4.878"	O.E.M.	LT235/85R16-E	3,042 lbs.	3,042 lbs.
4612-LT235E	16"	8 on 6.5"	6"	4.890"	O.E.M. DUAL	LT235/85R16-E	2,778 lbs.	2,778 lbs.
4841-LT235E	16"	8 on 6.5"	6"	4.885"	White spoke	LT235/85R16-E	3,042 lbs.	3,042 lbs.
4841-M-LT235E	16"	8 on 6.5"	6"	4.885"	White mod	LT235/85R16-E	3,042 lbs.	3,042 lbs.

# Tires and Wheels

## TORQUE REQUIREMENTS

It is a necessary procedure to periodically check the torque levels of your wheel lug nuts. They must be maintained at the approximate level to prevent loose wheels, potentially broken studs and to prevent the wheel from separating from the axle.

## TIGHTENING PROCEDURE

1. After mounting a wheel over the studs, snug up the lug nuts in the order shown in the illustrations that follow.
2. After all the lug nuts have been snugged, tighten the nuts to the recommended torques, following the same tightening sequence.
3. Re-torque after first 50 miles of use.

**Note:** Warning decals are available from your branch. (See page G-8 for warning decals.)

## TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS					
Bolt Pattern	Wheel Type	Mounting Pilot	Thread Size	Torque – Ft. - Lbs.	Nut Type
5 on 4.5" to 6.5" Circle	Single	Stud	½"-20	80 - 90	60 Degree Cone
6 on 5.5" Circle	Single	Stud	½"-20	80 - 90	60 Degree Cone
8 on 6.5" Circle	Single	Stud	½"-20	80 - 90	60 Degree Cone
8 on 6.5" Circle	Single	Stud	¾"-18	130 - 150	60 Degree Cone
8 on 6.5" Circle	Single	Hub	¾"-18	175 - 200	90 Degree Cone
8 on 6.5" Circle	Single	Hub	¾"-18	175 - 200	90 Degree Cone
8 on 6.5" Circle	Dual	Stud	¾"-18	275 - 325	One Piece Flange
8 on 6.5" Circle	Dual	Hub	¾"-18	275 - 325	Two Piece Flange
8 on 6.5" Circle	Dual	Hub	¾"-18	175 - 225	90 Degree Cone w/ Clamp Ring
8 on 6.5" Circle	Dual	Hub	¾"-16	375 - 425	Two Piece Flange
8 on 6.5" Circle	Dual	Hub	M14x1.5	136 - 144	90 Degree Cone w/ Clamp Ring
10 on 8.75"/11.25" Circle	Dual	Stud	¾"-16	450 - 500	Inner Ball Seat
10 on 8.75"/11.25" Circle	Dual	Stud	1 ¼"-16	450 - 500	Outer Ball Seat
10 on 285.75mm Circle	Dual	Hub	M22x1.5	450 - 500	Two Piece Flange
Cast Spoke	Rim	N/A	¾"-11	160 - 200	Flat Nut
Cast Spoke	Rim	N/A	¾"-10	200 - 260	Flat Nut

**Note:** Stud piloted wheels are commonly referred to as "coined" and hub piloted wheels as "flat face."



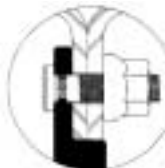
**60° CONE NUTS  
STUD PILOT**



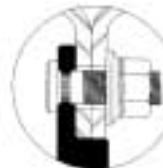
**90° CONE NUTS  
STUD PILOT**



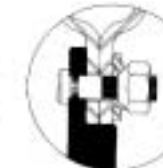
**1 PIECE FLANGE NUT/  
STUD PILOT**



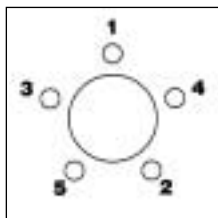
**1 PIECE FLANGE NUT/  
HUB PILOT**



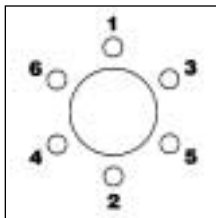
**2 PIECE FLANGE NUT/  
HUB PILOT**



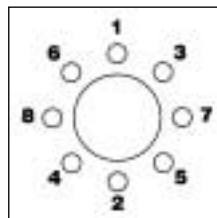
**90° CONE NUTS  
w/ CLAMP RING/  
HUB PILOT**



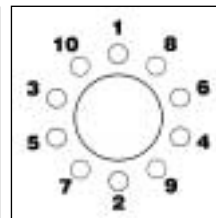
**FIVE STUD**



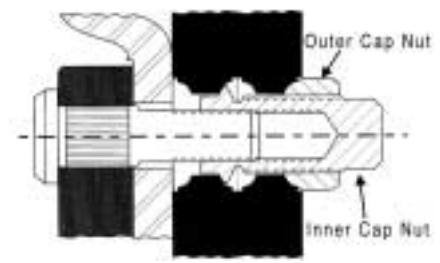
**SIX STUD**



**EIGHT STUD**



**TEN STUD**



**INNER & OUTER BALL SEAT/STUD PILOT**