



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

PACKAGED PRODUCTS



Mounting Kits & Dimensions . . . A-5 thru A-13

2K, 3.5K Axles . . . . . A-14 thru A-18

5.2K, 6K, 7K Axles . . . . . A-19 thru A-22

8K Axles . . . . . A-23 thru A-24

10K, 12K, 16K Axles . . . . . A-25 thru A-30

22.5K, 25K Axles . . . . . A-31 thru A-32

Misc. . . . . A-32 thru A-37

Maintenance & Service . . . . . A-38

Maintenance Schedule	
3 MONTHS	OR 3,000 MILES

- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS



## QUALITY . . .

Quality control methods, developed in the automotive industry, have been implemented in all phases of the manufacturing process. These methods establish controls for every step involved, beginning with the enforcement of stringent specifications on all incoming materials. Once in production, components and assemblies, must pass through multiple inspections before proceeding to the next stage. State-of-the-art manufacturing and assembly equipment ensure consistent tolerances, structurally sound welds, and a uniform paint/powder coated finish.

- CSA approved 3.5K and 6K electric brake axles
- 2 year warranty on tubular axles
- 5 year warranty on Equalizer axles
- Patented "Posi-Lube" system
- 2 year warranty - 10-16K axles
- 5 year warranty - 22.5K-30K axles

## VALUE . . .

The benefit of buying Rockwell American axles, direct from the source, reduces your overall cost, lessens the chance of ordering errors, and provides a direct line of communication if a warranty issue should ever arise. The proof . . .

*All distribution locations provide –*

- Customer service
- Technical service
- Warranty service
- Inventory
- Replacement parts
- Delivery on company-owned trucking fleet
- Distribution of a full-line of trailer parts



## SERVICE . . .

Rockwell American continues to improve its service levels by ensuring Rockwell American products are available at all of its distribution locations. Tie that together with our three axle manufacturing locations and you will find our service level is unsurpassed in the trailer industry.

***We control the process from start to finish with our in-house powder coating capabilities.***

We use a state of the art 4-stage powder coat system.

- Stage 1. Extreme Clean
- Stage 2. Heat Dry
- Stage 3. Powder Coat
- Stage 4. High Temperature Cure



## ORDERING AXLES

We have provided this information to make your job of selecting Rockwell American axles easier. If you have any questions or need further assistance call one of our trained sales people at any one of our convenient locations. When selecting an axle you will need to consider the following factors:

### Gross Axle Weight Rating

Gross Axle Weight Rating (GAWR) is a rating of the maximum weight allowed to be placed on the running rear assembly and is based on the combined individual capacities of all the running gear components. That is the maximum capacity of the axles, suspension, tires and wheels. Keep in mind the GAWR can only be rated as high as the weakest of the running gear components.

**Example:** A GAWR of 5,920 lbs. is based on an axle capacity of 7,000 lbs. (3,500 x 2 ea.), a spring capacity of 7,000 lbs. (1,750 x 4 ea.), a wheel capacity of 7,280 lbs. (1,820 x 4 ea.) and a tire capacity of 5,920 lbs. (1,480 x 4 ea.).

### Gross Vehicle Weight Rating

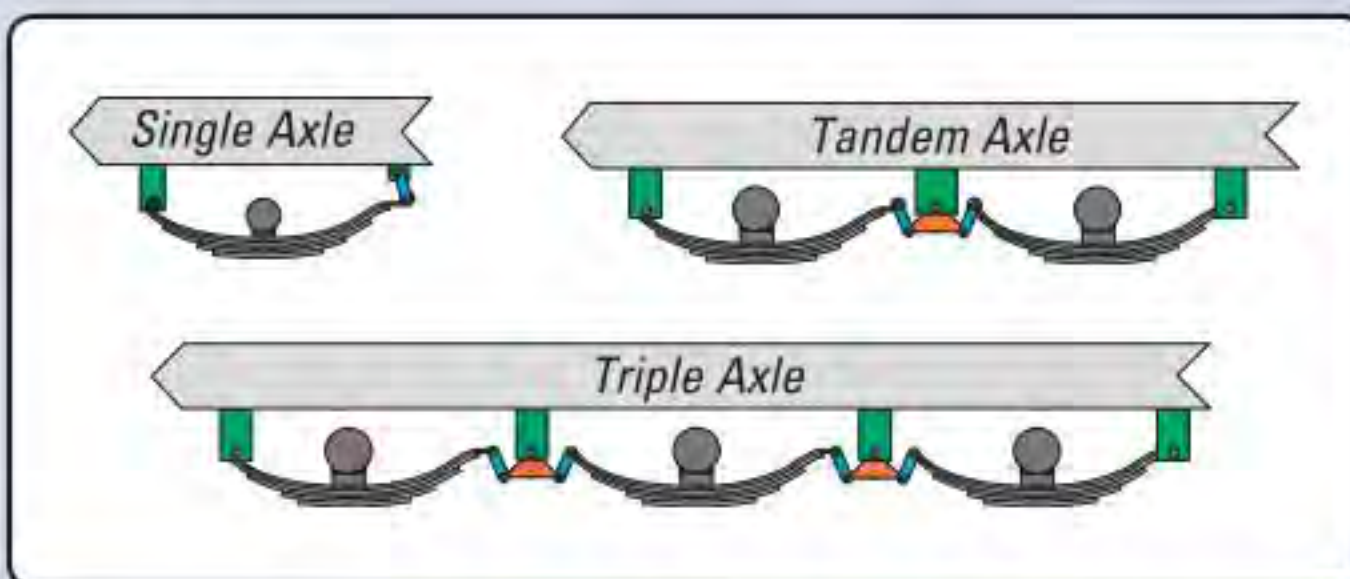
Gross Vehicle Weight Rating (GVWR) is a rating of the maximum Gross Vehicle Weight (GVW) that a trailer should legitimately weigh when fully loaded. GVWR is determined by a combination of the GAWR, coupler capacity and the frame design capacity. To figure the GVWR add 10% of the coupler capacity (25% for goosenecks) to the GAWR. Compare the resulting figure with the frame design capacity. The lower of the two figures would be your GVWR.

**Example 1:** A trailer with a GAWR of 5,920 lbs., a coupler rating of 7,000 lbs. and a frame design capacity of 7,000 lbs. could have a GVWR rating of 6,620 lbs.

**Example 2:** A trailer with a GAWR of 5,920 lbs., a coupler rating of 7,000 lbs. and a frame design capacity of 6,500 lbs. could have a GVWR rating of 6,500 lbs.

### Number Of Axles

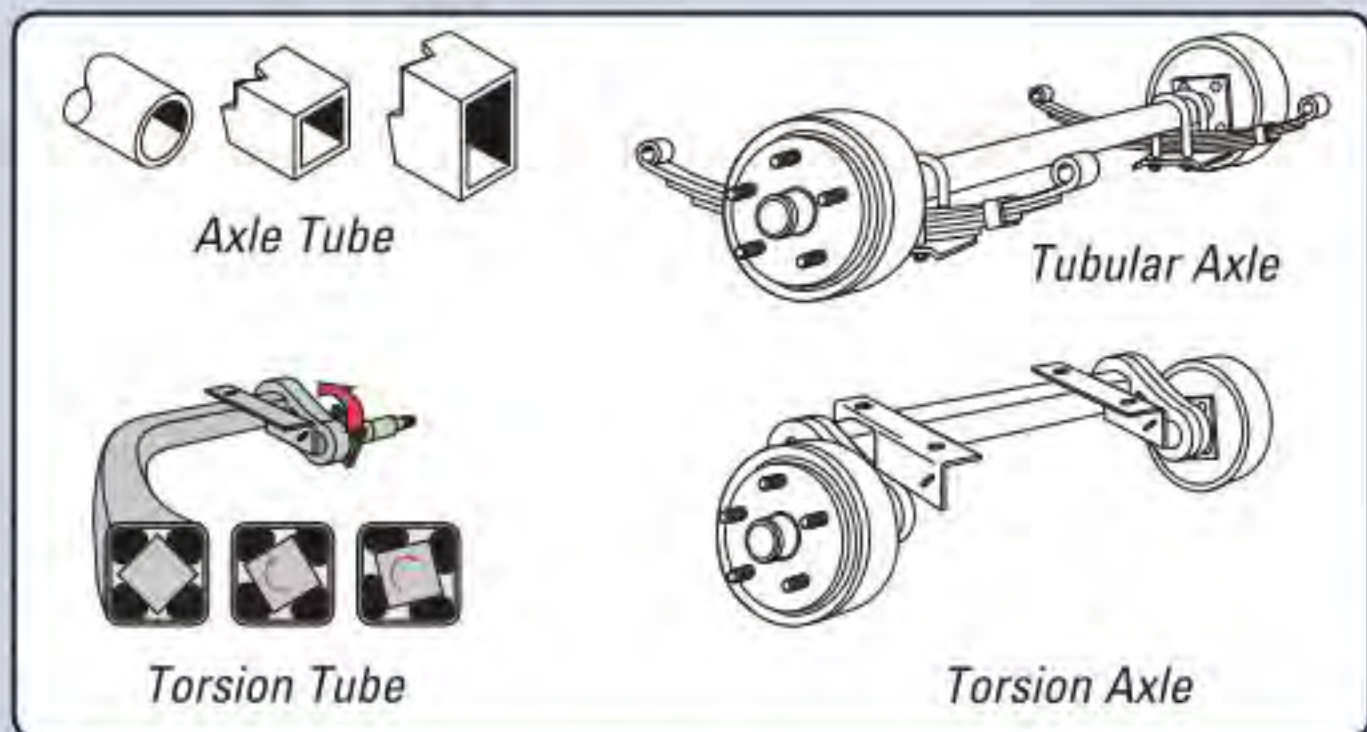
Based on GAWR determine whether you want a single, tandem, or a triple axle setup. Use this information to determine axle capacity requirements.



### Axle Type

Decide on what type you will be using, tubular or torsion. Tubular or Equalizer axles are available in multiple material dimensions and require additional suspension components. Equalizer axles have the suspension built into the axle.

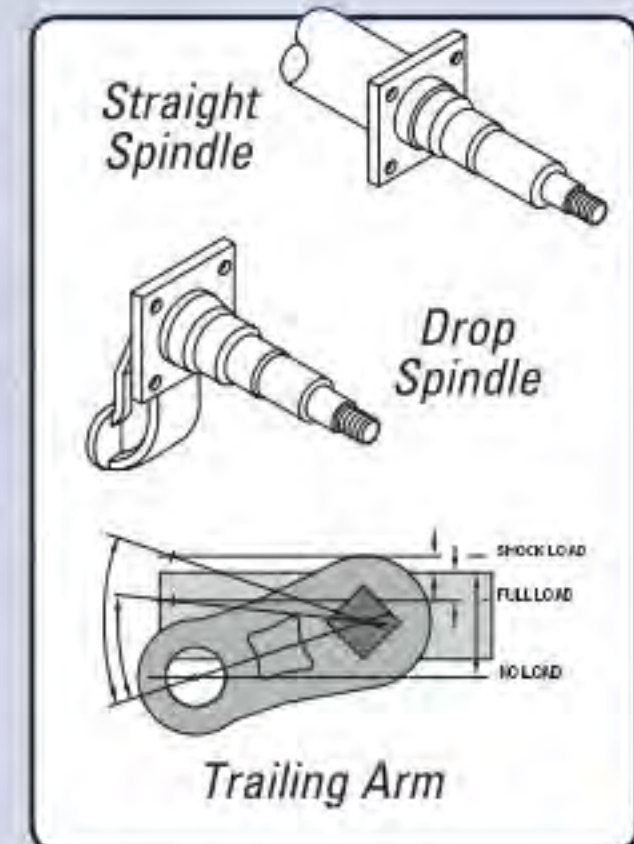
*Note: See section B for springs, u-bolts and hanger kits used on tubular axles.*



### Spindle Configuration

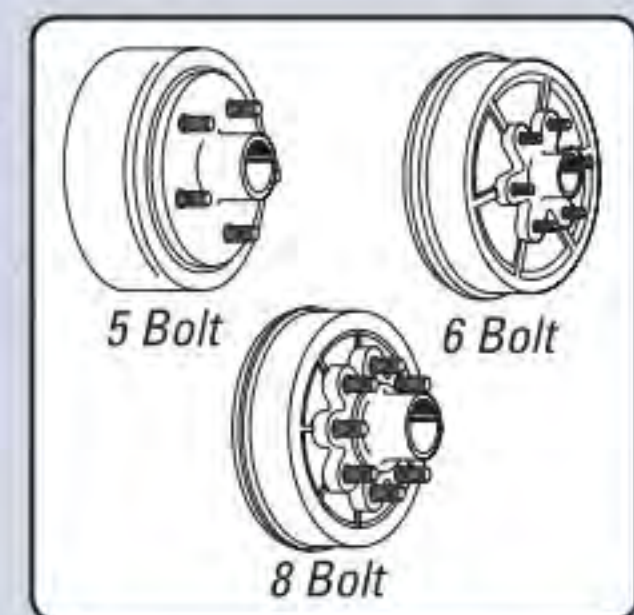
Trailer ride heights are affected by the spindle configuration. Tubular axles are available with straight or drop spindles. Equalizer axles use specific start angles on the trailing arms.

*Note: See page A-5 for trailing arm starting angles and dimensions.*



### Bolt Pattern

The bolt pattern depends on the capacity of the axle. Yet the bolt pattern does not identify the axle capacity. It is however a factor. Multiple bolt pattern configurations are available for each axle group. Be aware that the tire and wheel capacity should match the axle capacity.



### Brakes

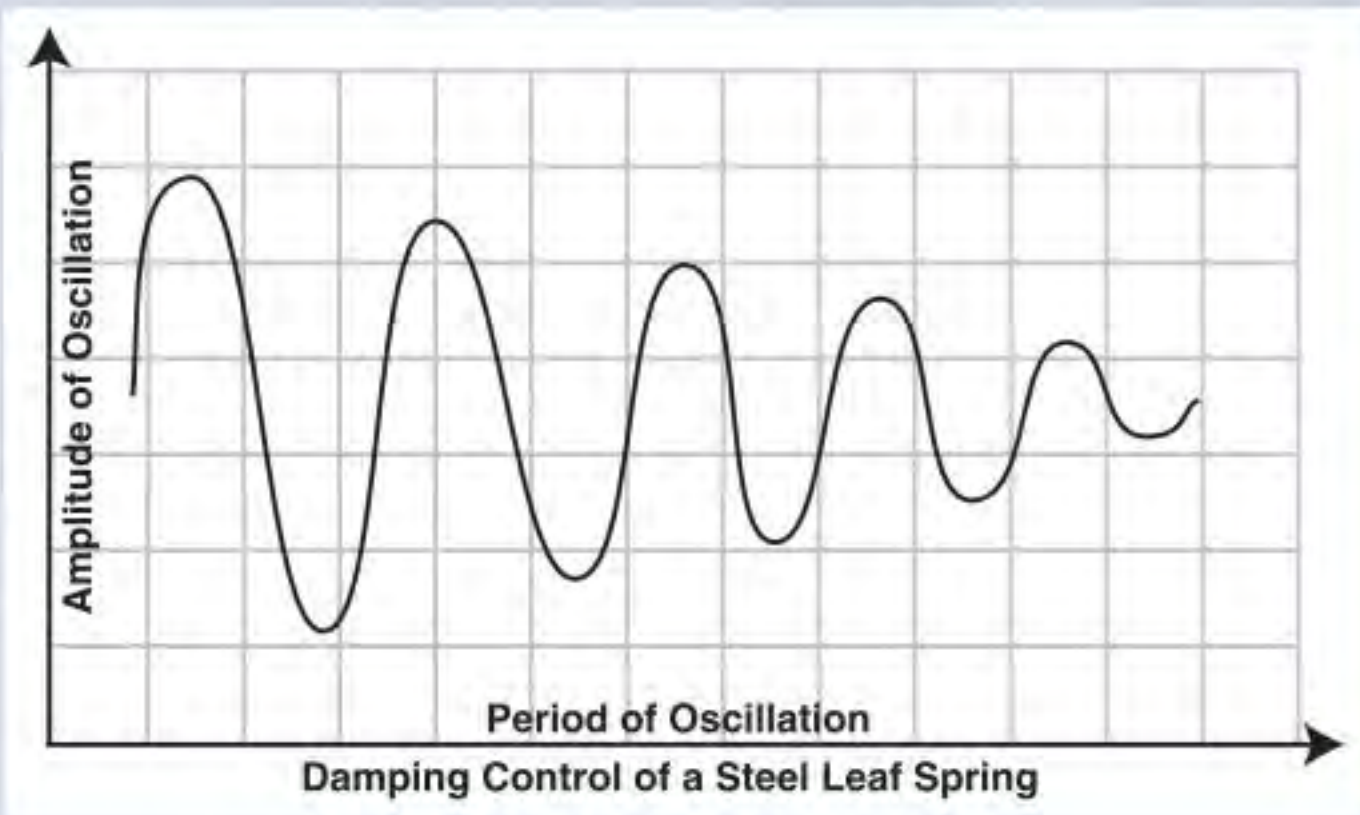
Axles are available in idler and braking configurations. Determine braking requirements based upon the number of axles, GVW and the applicable State and Federal laws. There are many options in the area of brakes; electric, hydraulic uni-servo, hydraulic duo-servo, hydraulic free backing, hydraulic disc, and air brakes.

*Note: If you have questions regarding braking requirements, contact the Department of Transportation or local authorities.*

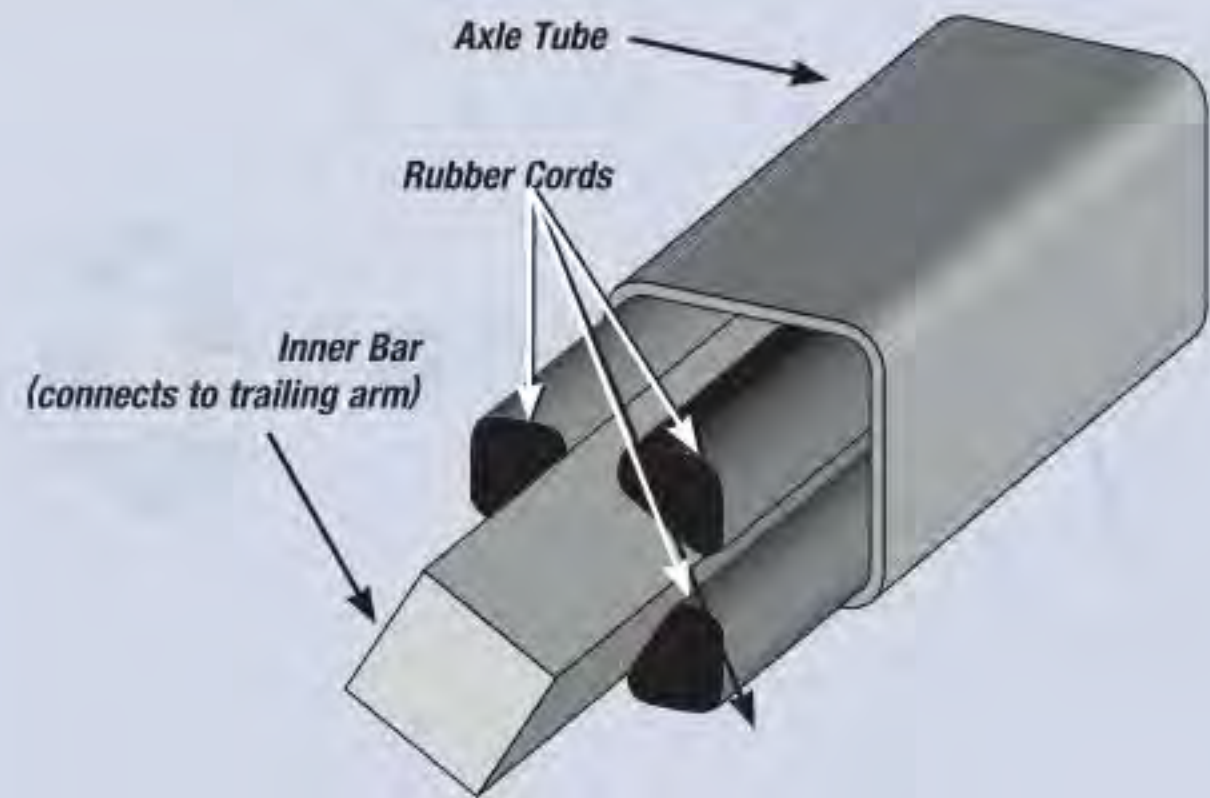
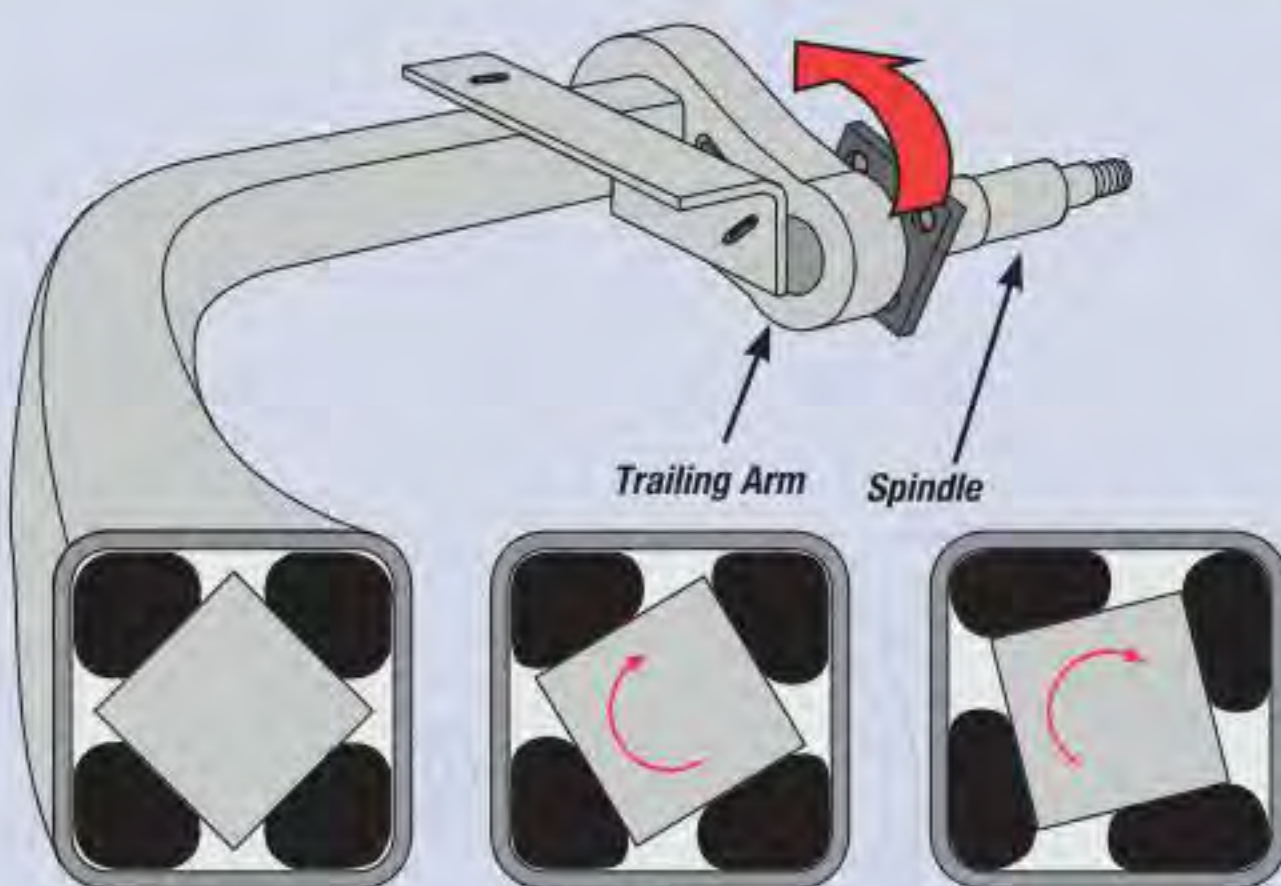
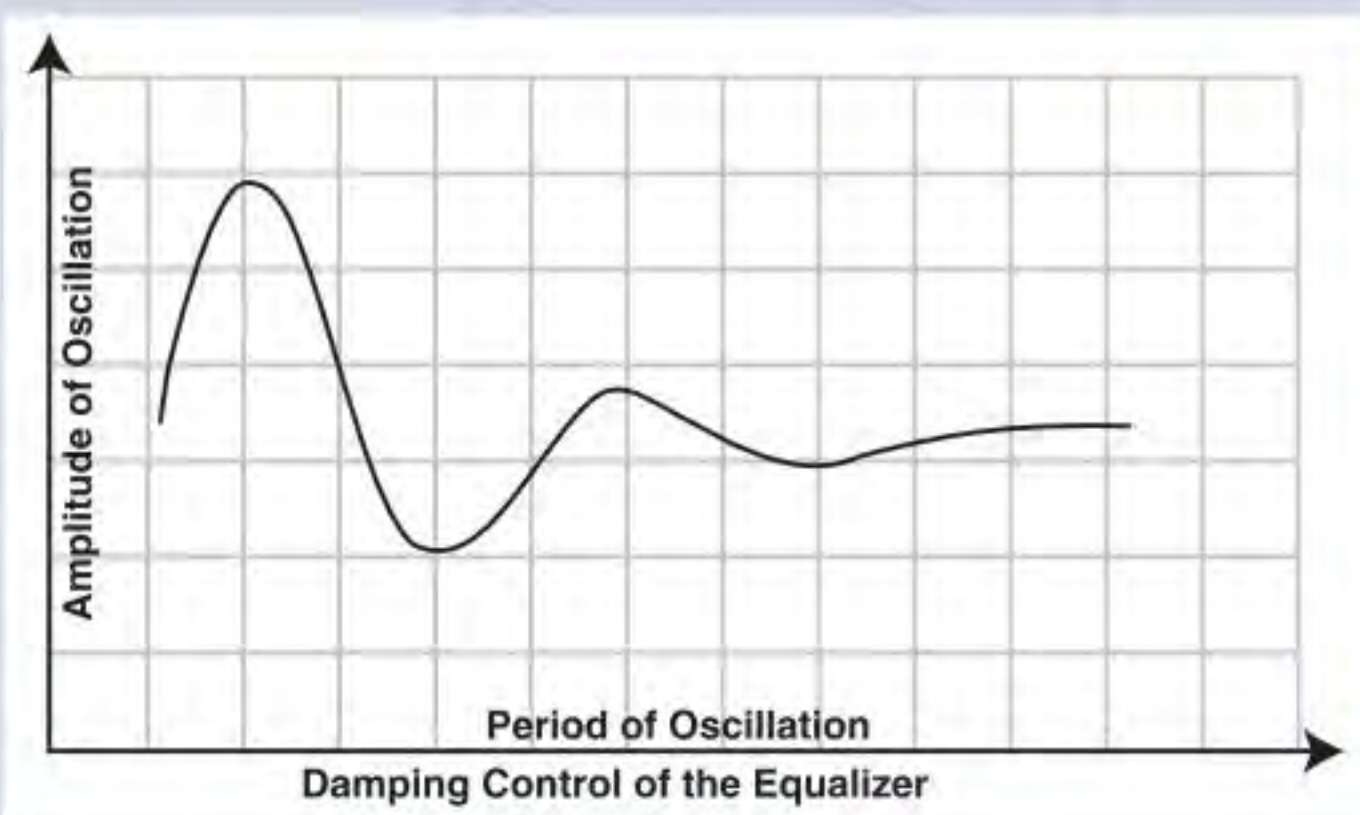


## THE EQUALIZER TORSION AXLE

The Equalizer axle makes leaf spring suspension systems obsolete. Each spindle is attached to a trailing arm which rocks up and down during road shock. This movement is then transferred to a steel inner bar within the axle beam. Rubber cords then absorb the shock from the twisting inner bar. Leaf springs have high initial amplitude followed with many slowly diminishing oscillations – a very slow return to stability.



The equalizer has the same initial amplitude, but see the swift dampening with quick return to stability.



### THE BENEFITS

- Superior Performance** - The independent action provides greater control and stability which makes towing the trailer much easier. Wheel vibration is absorbed by the rubber cords.
- Variable Capacity** - Capacity can be tailored to your requirements in 100 lb. increments.

### Capacity Range

AXLE	RANGE CAPACITY
2,000 lb. Equalizer	500 - 2,000 lbs.
3,500 lb. Equalizer	2,100 - 3,500 lbs.
6,000 lb. Equalizer	3,600 - 6,000 lbs.
7,000 lb. Equalizer	6,100 - 7,000 lbs.
8,000 lb. Equalizer	7,100 - 8,000 lbs.
10,000 lb. Equalizer	8,100 - 10,000 lbs.

**Neat, Clean, Functional** - Since the torsion axle mounts directly to the frame, we can provide most any ground-clearance you desire. There are no leaf springs, hangers, u-bolts, etc. to become clogged with mud, snow or ice.

**Reduced Costs** - With no metal to metal contact, (no springs, bolts, shackle straps), maintenance is minimal. The added strength and support supplied by the torsion axle means less stress on your trailer's frame. The addition of the axle as a cross member eliminates a current cross member resulting in less cost and weight.

**Easy Installation** - Top or side mounting is available. Only 4 bolts are needed to mount.

**Service/Delivery** - Excellent service, delivery, lead times and freight costs are integral to the success of your business. We provide all of these, giving you the greatest chance for success. With the Equalizer torsion axle we maintain our commitment to stay the most respected trailer axle manufacturer in the industry.

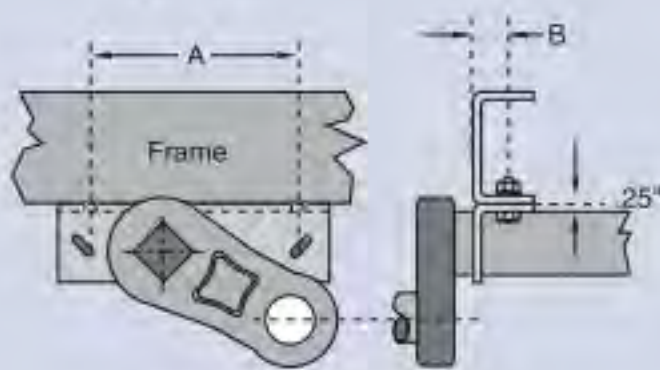
**Five Year Warranty** - A five year warranty is standard on the Equalizer beam and suspension components of that beam.

**CAUTION!!** Rockwell American does not recommend the use of triple torsion axles in trailer applications.

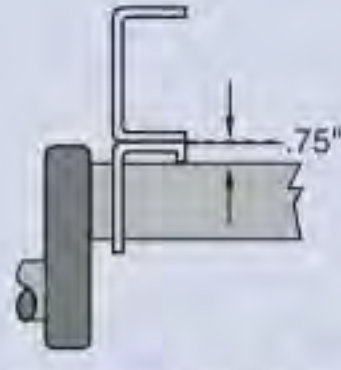
## MOUNTING KITS AND DIMENSIONS

**Note:** For replacement purposes the mounting bracket has diagonally slotted side mount holes. This is to accommodate a variety of hole patterns in other side mounted torsion axle systems.

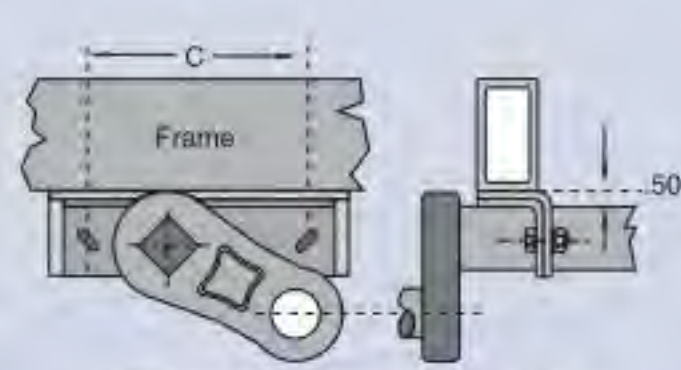
**Warning:** Application of heat to the axle tube will damage the rubber and void the warranty.



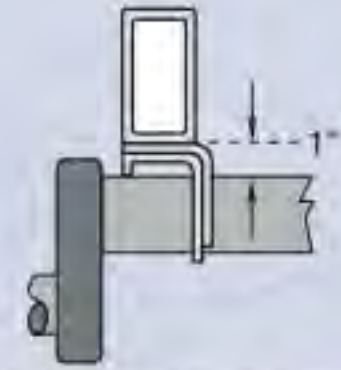
Top Mounting



Top Mounting High Profile



Side Mounting w/Side Mount Bracket



Side Mounting High Profile w/Side Mount Bracket

### Mounting Kits And Dimensions

AXLE CAPACITY	TOP MOUNTED			SIDE MOUNTED			
	KIT PART#	DIM. A	DIM. B	BOLT SIZE	KIT PART #	DIM. C	BOLT SIZE
2,000 lb.	2001-B	8"	1"	.5"	2001-S	8.28"	.5"
3,500 lb.	3501-B	8"	1.25"	.625"	3501-S	8.28"	.625"
6,000 lb.	3501-B	9"	1.25"	.625"	6001-S	9.3"	.625"
7,000 lb.	3501-B	9"	1.25"	.625"	7001-S	9.3"	.625"
8,000 lb. / 10,000 lb.	8001-B	10.5"	1.25"	.75"	8001-S	10.5"	.75"

### Trailing Arms

- All measurements are in inches and are calculated from the top of the bracket to spindle center.
- A minus sign indicates that the spindle is above the top of the frame bracket.
- Allow an additional 3" above the full load dimensions for fender clearance.
- Add .25" to start angle dimensions for side mounting with kit.
- Add .5" to start angle dimensions for high profile top mounting.
- Add .75" to start angle dimensions for high profile side mounting.

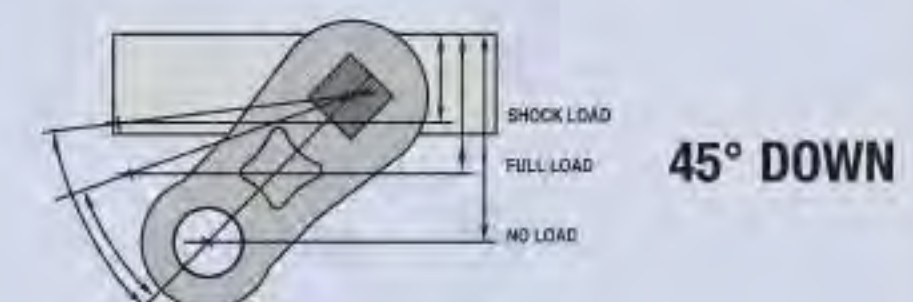
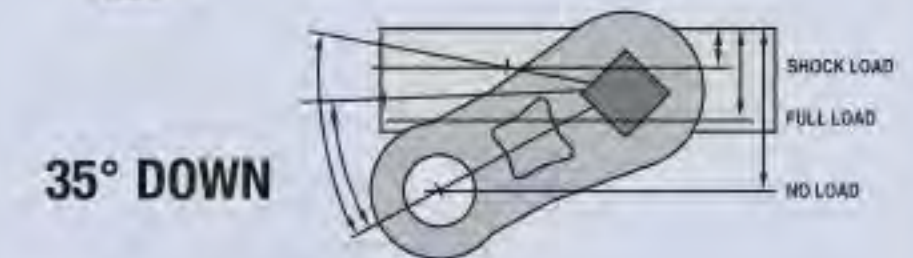
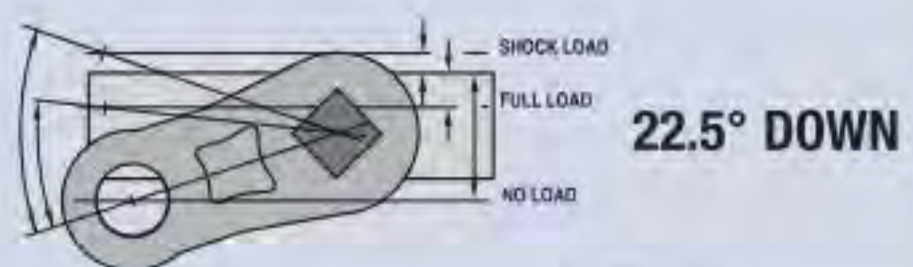
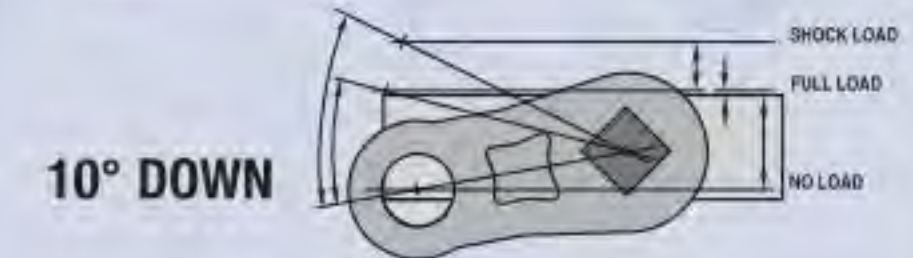
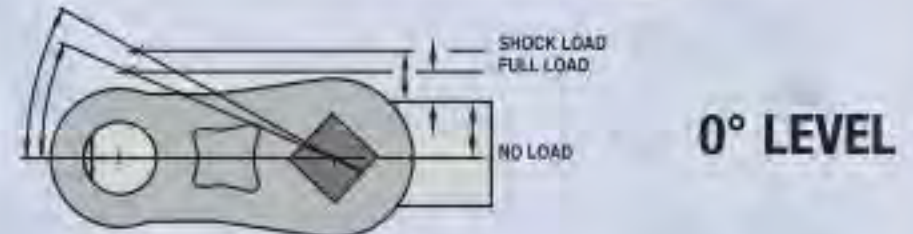
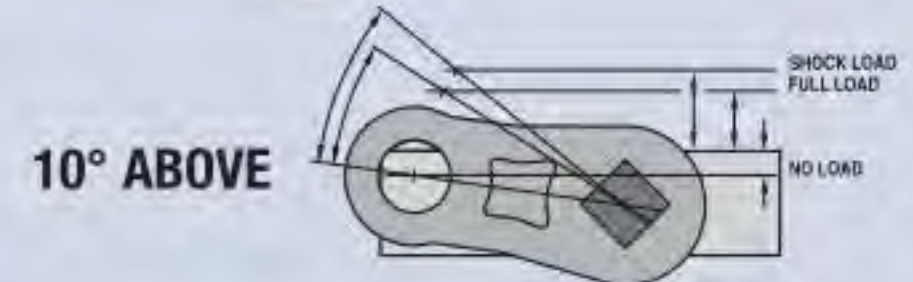
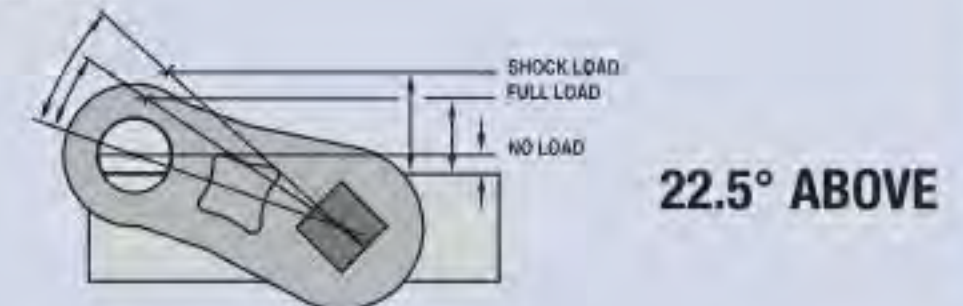
START ANGLE	POSITION	AXLE NUMBER				
		2,000 LB.	3,500 LB.	6,000 LB.	7,000 LB.	8,000 & 10,000 LB.
22.5° Above	No Load	-1.03"	-.080"	-.053"	-.029"	-.005"
	Full Load	-3.08"	-2.85"	-2.58"	-2.34"	-2.10"
	Shock Load	-4.83"	-4.60"	-4.33"	-4.09"	-3.85"
10° Above	No Load	.023"	.045"	.072"	.096"	1.21"
	Full Load	-1.82"	-1.60"	-1.33"	-1.09"	-0.84"
	Shock Load	-3.57"	-3.35"	-3.08"	-2.84"	-2.59"
0° Level	No Load	1.27"	1.49"	1.77"	2.00"	2.25"
	Full Load	-0.78"	-0.56"	-0.28"	-0.05"	0.20"
	Shock Load	-2.78"	-2.56"	-2.28"	-2.05"	-1.80"
10° Down	No Load	2.31"	2.53"	2.81"	3.04"	3.29"
	Full Load	0.26"	0.48"	0.76"	0.99"	1.24"
	Shock Load	-1.74"	-1.52"	-1.24"	-1.01"	-0.76"
22.5° Down	No Load	3.56"	3.79"	4.06"	4.29"	4.54"
	Full Load	1.51"	1.74"	2.01"	2.24"	2.49"
	Shock Load	-0.49"	-0.26"	0.01"	0.24"	0.49"
35° Down	No Load	4.71"	4.93"	5.21"	5.44"	5.69"
	Full Load	2.66"	2.88"	3.16"	3.39"	3.64"
	Shock Load	0.66"	0.88"	1.16"	1.39"	1.64"
45° down	No Load	5.51"	5.73"	6.01"	6.24"	6.49"
	Full Load	3.46"	3.68"	3.96"	4.19"	4.44"
	Shock Load	1.46"	1.68"	1.96"	2.19"	2.44"

NO LOAD = Position of trailing arm without a load.

FULL LOAD = Position of trailing arm at full capacity load.

SHOCK LOAD = Position of trailing arm at extreme shock.

Note: 10,000 lb. axle has same start angle as 8,000 lb.



## Tubular Axle Overhang Differences

AXLE TYPE	MINIMUM		
	IDLER	BRAKE	MAXIMUM
TS20	9.3"	10.75"	15"
SS20	10.75"	10.75"	15"
SD20	15"	15"	19"
TS35	10"	12"	18"
TD35	14"	14"	18"
SS35	10"	13"	19"
RS35	10"	13"	19"
SD/RD35	15"	15"	19"
TS52	13"	13"	18"
TD52	16"	16"	19"
RS52	13.5"	13.5"	19"
RD52	17.5"	17.5"	19"
TS60	13"	13"	18"
TD60	16"	16"	19"
TS70	14"	14"	18"
TD70	16"	16"	18"
TS80	17"	17"	19"
TD80	18"	18"	19"
10K-16K	27"	27"	32"

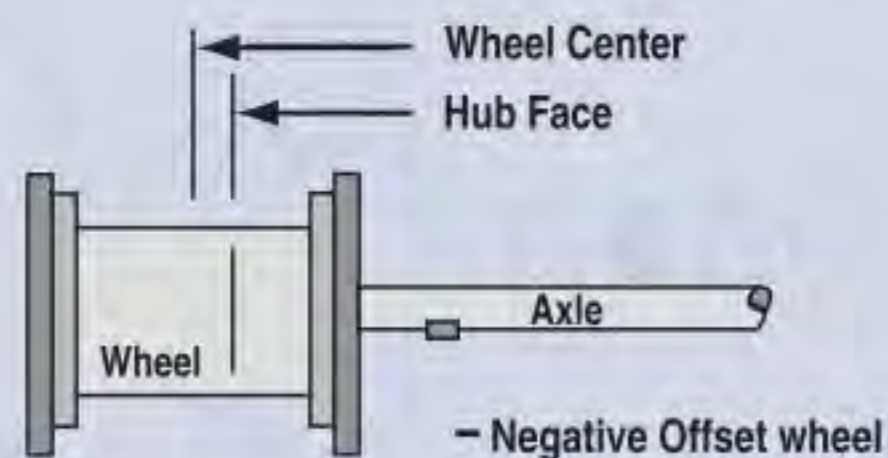
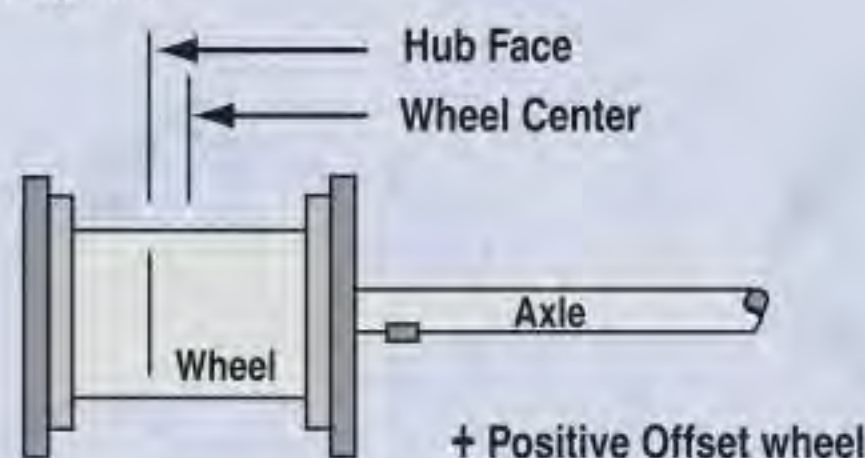
TS = Tubular Straight  
 SS = Square Straight  
 RS = Rectangular Straight  
 TD = Tubular Drop  
 SD = Square Drop  
 RD = Rectangular Drop

\* Maximum Hubface For TS20 & SS20 is 95"  
 \*\* Minimum Hubface For 10K is 69"  
 Maximum Hubface For 10K is 91.5"  
 Maximum Hubface For SP10K is 98"

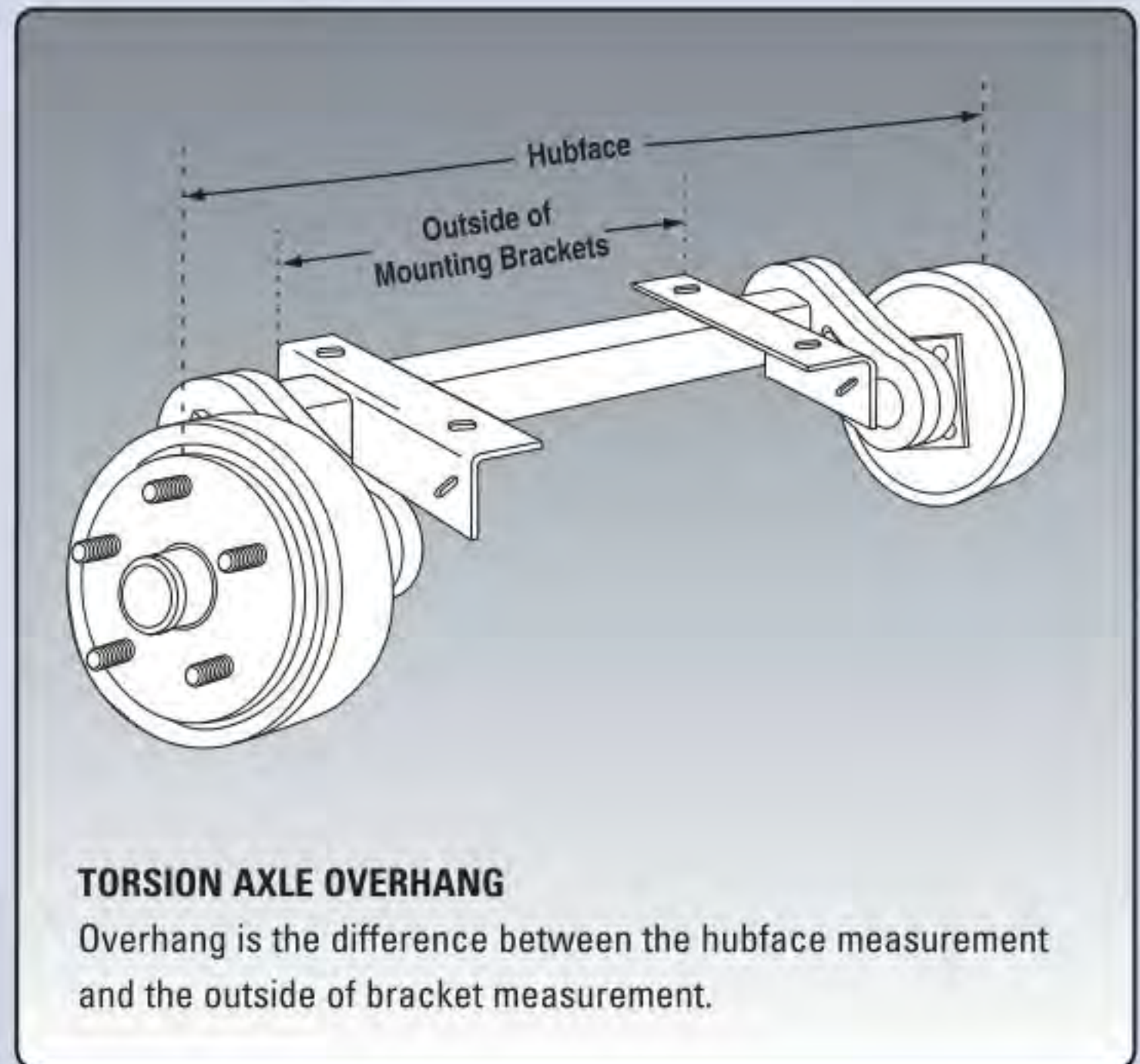
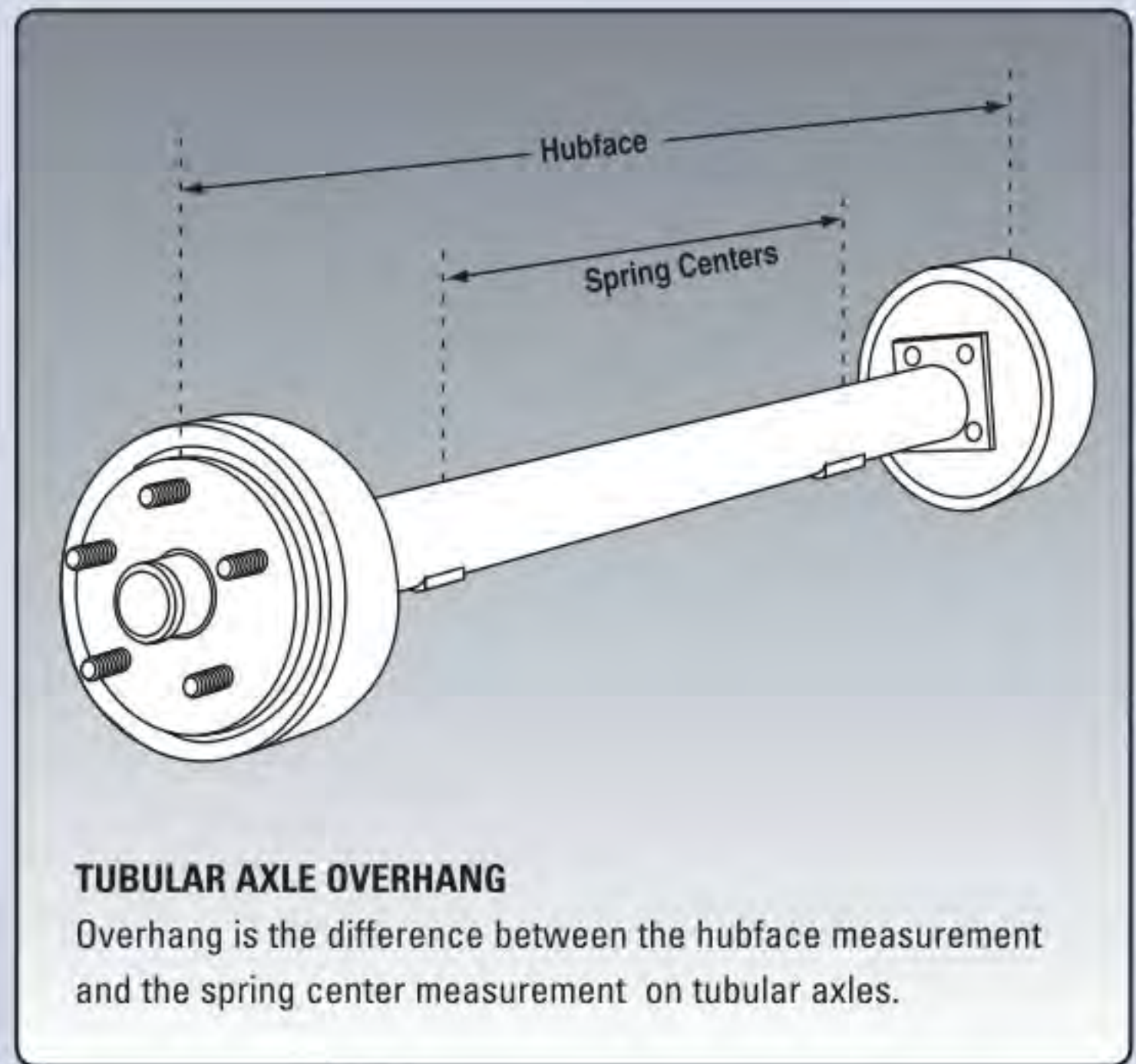
## Equalizer Axle Hubface To Mounting Bracket Overhang Differences

AXLE TYPE	OVERHANG		MINIMUM HUBFACE
	MINIMUM	MAXIMUM	
EQ20	12.5"/10.5"*/9.5"***	22"	46"
EQ35	12.5"	24"	46"
EQ60	14.5"/14"*	24"	50"
EQ70	14.5"/14"*	28"	50"
EQ80	17.5"	43"	54"
10KEQ	22.5"	38"	66"

\* Short Spindle Option  
 \*\* Extra Short Spindle Option

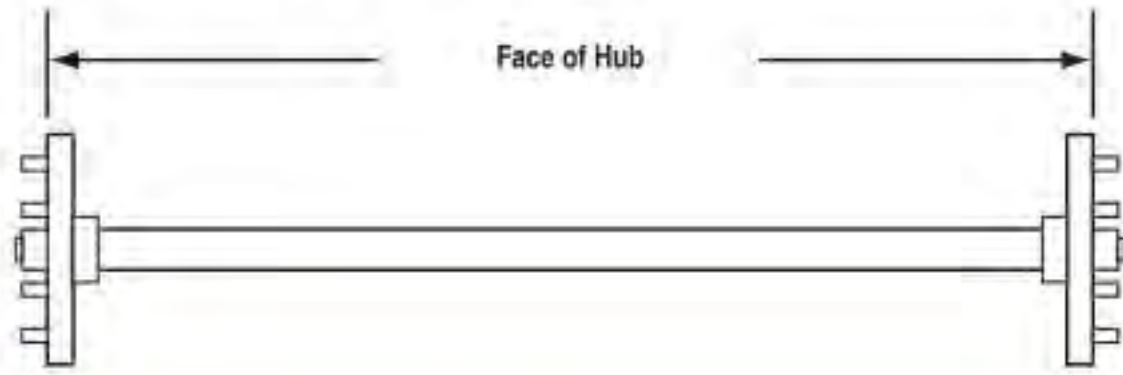


Don't use tire centers! Due to the use of offset wheels, the center to center tire measurement cannot be used to order an axle. The actual hubface must be used.



### Method 1: Hubface

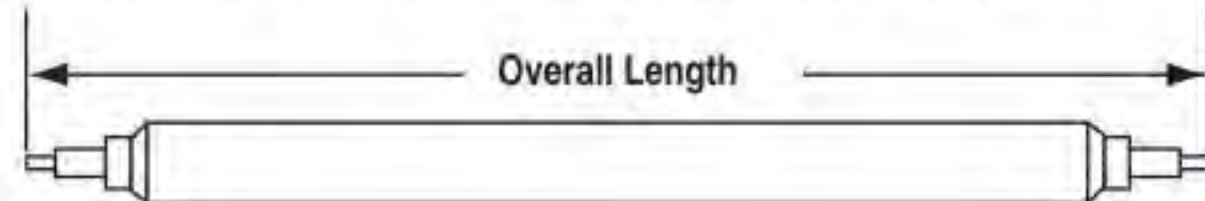
Measure From Face Of Hub To Face Of Hub



### Method 2: Overall Length

DETERMINE HUBFACE

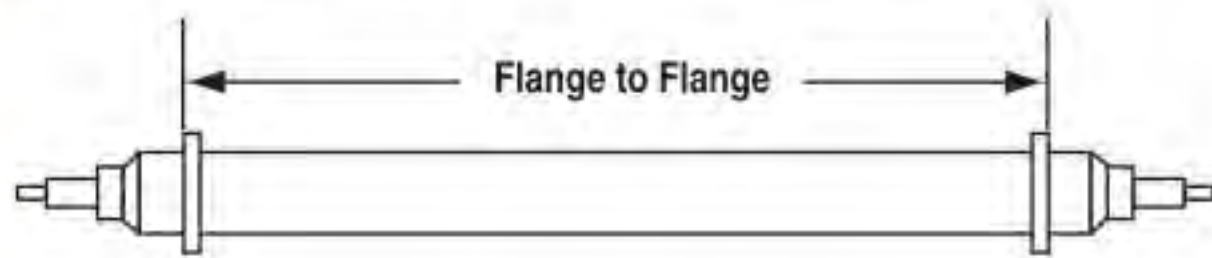
Subtract 5" From Overall Length For 2,000 Lb. Axles.  
 Subtract 5" From Overall Length For 3,500 Lb. Axles.  
 Subtract 6" From Overall Length For 6,000 Lb. Axles.  
 Subtract 6" From Overall Length For 7,000 Lb. Axles.  
 Subtract 5.5" From Overall Length For 8,000 Lb. Axles.  
 Subtract 6.75" From Overall Length For 10,000 Lb. Axles.



### Method 3: Flange to Flange

DETERMINE HUBFACE

Add 7" To The Flange Length For 2,000 Lb. Axles.  
 Add 6" To The Flange Length For 3,500 Lb. Axles.  
 Add 9" To The Flange Length For 6,000 Lb. Axles.  
 Add 9" To The Flange Length For 7,000 Lb. Axles.  
 Add 10" To The Flange Length For 8,000 Lb. Axles with Rockwell flange.  
 Add 9.375" To The Flange Length For 8,000 Lb. Axles with AL-KO style Flange.



### Method 4: Bent Beam

Springcenter + Overhang x 2 = Hubface

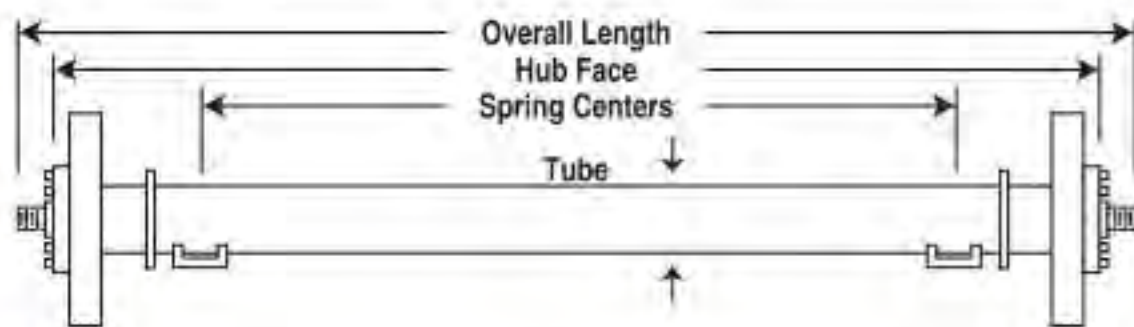


### Ordering Replacement Beams

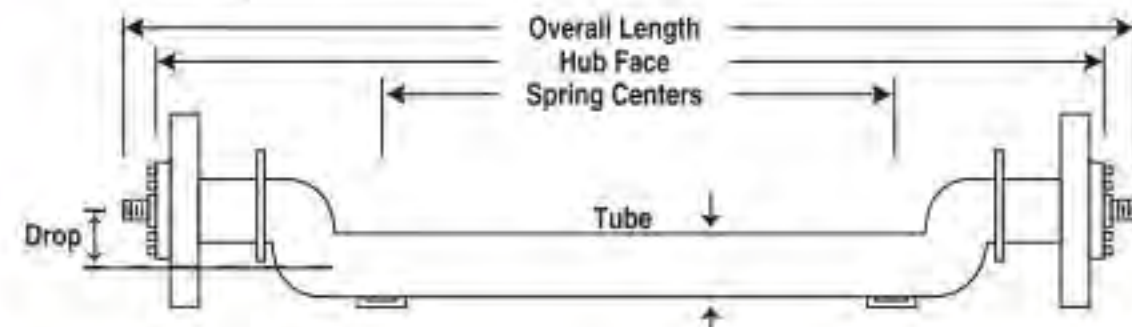
To insure that you order the correct replacement beam you will need to know the following information:

- 1. Tube** - Is it round, square or rectangular; what is the outside diameter of the tube?
- 2. Spindles** - Are they straight or drop; Posi-Lube or non-Posi-Lube?
- 3. Hub Type** - What is the bolt pattern?
- 4. Hub Face** - What is the hubface to hubface measurement?
- 5. Spring Center** - What is the distance from center of spring to center of spring?
- 6. Spring Placement** - Are the springs mounted on top or bottom of the tube?

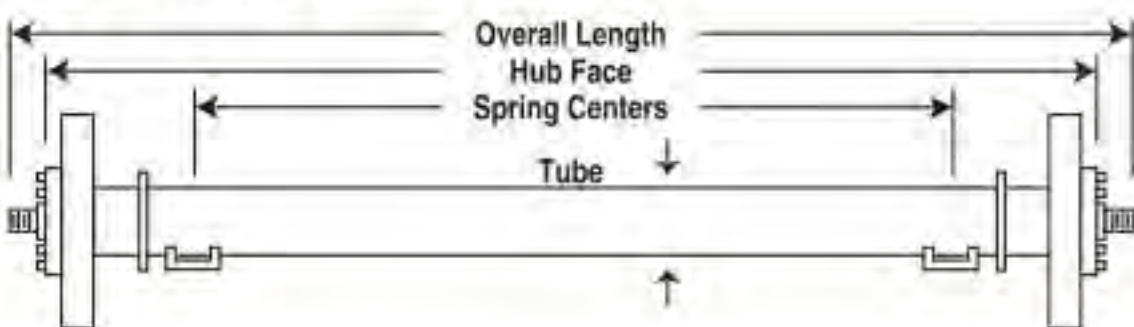
### Tubular Straight



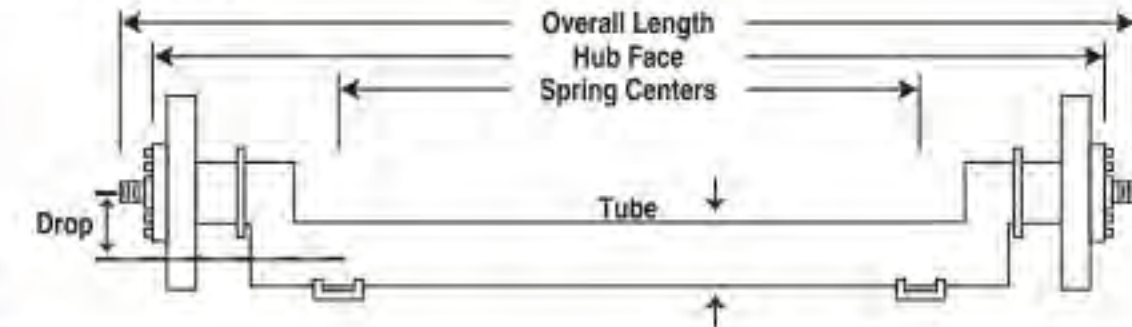
### Tubular Drop



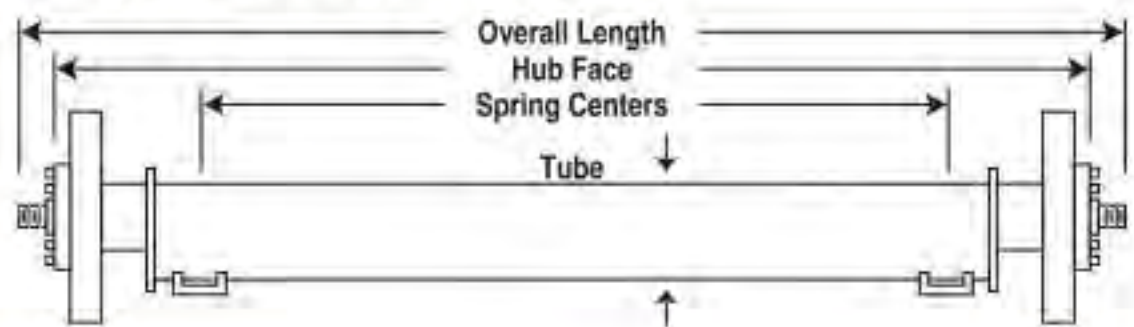
### Square Straight



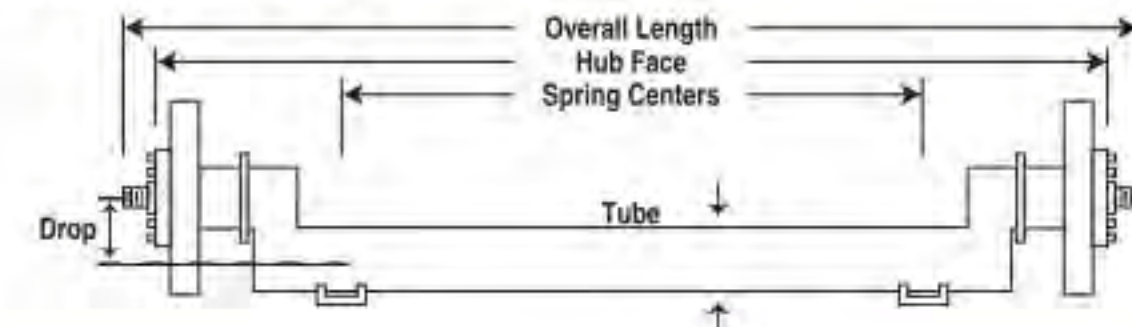
### Square Drop



### Rectangular Straight



### Rectangular Drop



## AXLE IN A BOX

For those times when an emergency repair is needed or you can't wait for a custom length axle, Rockwell American has developed the "Axle In A Box."

Each kit contains a piece of our high strength axle beam tubing, two insert spindle kits machined to fit inside the tubing, and a set of spring pads. The 3,500 lb. and 7,000 lb. kits have a brake flange pre-welded to the spindle to allow you to mount the standard brake of your choice.

Simply cut the axle tubing to length, weld in the spindles and spring pads, and mount hubs and brakes.

### Axle In A Box

PART #	CAP	SPINDLE	MAX HUBFACE	POSI-LUBE	BRAKE FLANGE
TS20755AIBCPX	2,200 lbs.	BT16	75.5"	✓	
TS35950AIBXQX	3,500 lbs.	#84	95"	✓	✓
TS70950AIBXQX	7,000 lbs.	#42	95"	✓	✓



TS35950AIBXQX



TS70950AIBXQX

### Lubrication

Posi-lube is standard for axle capacities from 1,000 lbs. to 8,000 lbs. Bearing protectors are available on most, as well as an oil bath option. 7,000 lb. through 25,000 lb. axles are standard with 90 wt oil bath lube.

### Axle Hub Face

This is the industry standard for measuring axle length. It is taken from the flat surface on the hub, where the studs exit the casting, to the same surface on the opposite side of the axle.

**CAUTION!!** This is not to be confused with "Track" which is measured from center of tire to center of tire.

Note: See page A-7 for alternate methods of measuring hub face.

### Axle Attachment Configuration

On tubular axles this is referred to as "Spring Center." It is the

measurement from the center of the spring pad to the center of the spring pad on the opposite side of the axle. The pads can be mounted on the top or bottom of the axle tube.

On Equalizer torsion axles this is referred to as "Outside of Bracket." It is measured from the outside of the bracket to the outside of the bracket on the opposite side of the axle. The brackets can be specified for top mount or side mount and are available in standard or high mount versions.

Note: Consult page A-6 for minimum and maximum difference between hub face and axle attachment measurements.

### Other Options

Some other areas that might need consideration may be the axle tube or hub finish. Black Powder Coat is the standard finish; Galvanized tube, Hot Dip Galvanizing is also available. V-Bend, camber and internally wired axle tube are a few of the popular options available.

FRACTION TO DECIMAL CONVERSION CHART

FRACTION	1/16	1/8	9/64	5/32	3/16	11/64	13/64	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
DECIMAL	.0625	.1250	.140625	.15625	.1875	.171875	.203125	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.6875	.7500	.8125	.8750	.9375



## ORDERING 2-8K AXLES

The part numbers we have selected for our axles have specific numbers assigned to correspond to the type of beam, axle capacity, axle length, spring center or outside bracket, bolt pattern and type of hub. Each part number is divided into alpha-numeric groups with characters in each position having a specific significant digit. The basic part number system is outlined in the example below.

<b>TS</b>	<b>35</b>	<b>885</b>	<b>705</b>	<b>545</b>	<b>H</b>	<b>B</b>	<b>C</b>
Axle Beam Type	Axle Capacity	Hubface Dimension	Tube Axle Spring Center or EQ Axle Mounting Bracket Outside Dimensions	Hub Bolt Pattern and Finish Options	Brake Options	Mounting Position and Lube Options	Tube Axle Options

### "TS" - Axle Beam Type

TS = Tubular straight	RD = Rectangular 4" drop	EE = Equalizer, 22.5° down
TD = Tubular 4" drop	EA = Equalizer, 22.5° up	EF = Equalizer, 45° down
SS = 2" Square straight	EB = Equalizer, 10° up	EH = Equalizer, 35° down
SD = 2" Square 4" drop	EC = Equalizer, 0°	
RS = Rectangular straight	ED = Equalizer, 10° down	

### "35" - Axle Capacity

10 = 1,000 lbs.	52 = 5,200 lbs.	<i>Note: Equalizer axles can be de-rated by 100 lb. increments. (Example: EA29 is an EA35 (3,500 lbs.) de-rated to 2,900 lbs.)</i>
20 = 2,000 lbs.	60 = 6,000 lbs.	
25 = 2,500 lbs.	70 = 7,000 lbs.	
30 = 3,000 lbs.	80 = 8,000 lbs.	
35 = 3,500 lbs.		

### "885" - Hubface Dimension

880 = 88" Hubface	885 = 88.5" Hubface	025 = 102.5" Hubface
882 = 88.25" Hubface	888 = 88.75" Hubface	160 = 116" Hubface or 16" Hubface

*Note: Hubface tolerance + or - 0.25".*

### "705" - Tube Axle Spring Center or EQ Axle Mounting Bracket Outside Dimension

700 = 70" spring center or outside of bracket	<i>Note: Mounting attachment tolerance + or - 0.25".</i>
702 = 70.25" spring center or outside of bracket	
705 = 70.5" spring center or outside of bracket	
708 = 70.75" spring center or outside of bracket	
000 = Pads loose	

*See page A-6 for minimum and maximum difference between mounting and hubface measurements.*

## GALVANIZED TORSION ARM

- All external surfaces of the torsion arm and hub are hot-dip galvanized for maximum corrosion protection.
- Our new o-ring sealed front cap and fully encased, pre-tensioned double lip bearing seal design resists contaminant and water intrusion.
- We've added a premium lithium-complex grease that is water insoluble and able to withstand the high temperatures generated when using disc brakes.
- Rockwell American is so confident in this design that we've extended our standard 5-year torsion axle warranty to also cover the bearings and seals.



<b>TS</b>	<b>35</b>	<b>885</b>	<b>705</b>	<b>545</b>	<b>H</b>	<b>B</b>	<b>C</b>
<i>Axle Beam Type</i>	<i>Axle Capacity</i>	<i>Hubface Dimension</i>	<i>Tube Axle Spring Center or EQ Axle Mounting Bracket Outside Dimensions</i>	<i>Hub Bolt Pattern and Finish Options</i>	<i>Brake Options</i>	<i>Mounting Position and Lube Options</i>	<i>Beam Options</i>

## "545" - Hub Bolt Pattern and Finish Options

440 = 4 on 4" bolt	660 = 6 on 6" bolt (Agricultural Hub)
545 = 5 on 4.5" bolt	865 = 8 on 6.5" bolt
54G = 5 on 4.5" bolt, Galvanized	86L = 8 on 6.5" bolt, Long .625" Studs (6K - 7K idler)
54W = 5 on 4.5" bolt, 6.25" flange (2K idler)	86G = 8 on 6.5" bolt, Galvanized
547 = 5 on 4.75" bolt	86T = 8 on 6.5" bolt, 9/16" stud (7K)
550 = 5 on 5.0" bolt	880 = 8 on 8.0" bolt (Agricultural Hub)
555 = 5 on 5.5" bolt	<i>Note: Double lip seals standard on all hubs.</i>
655 = 6 on 5.5" bolt	<i>Zinc studs standard on 2K thru 7K.</i>
65L = 6 on 5.5" bolt, Long Studs (5.2K - 6K idler)	<i>Axle Beam Only will not have a Hub Bolt Pattern designator.</i>
65G = 6 on 5.5" bolt, Galvanized	

## "H" Brake Options

I = Idler with Brake Flange (2K standard without Brake Flange)	G = Idler with Prewire
C = Idler or beam without Brake Flange	2 = Hydraulic Disc brake, E-Coat
E = Electric brake	6 = Hydraulic Disc brake, Stainless Disc & Calipers
W = Electric brake pre-wired axle or pre-wired beam	5 = Hydraulic Disc brake, Integral Hub, DAC & Calipers
L = Electric brake pre-wired with Brake Wire Protector	8 = Hydraulic Disc brake, Integral Hub E-Coat
J = Electric brake with Brake Wire Protector	X = None; axle beam with Brake Flange (2K standard without Brake Flange)
A = Electric brake with Long Lead Wire	B = Electric Self-Adj Brake
Q = Electric brake with Brake Wire Protector and Long Lead Wire	D = Electric Self-Adj Brake w/ Pre-Wired Beam
H = Hydraulic brake, Uni-Servo	M = Electric Self-Adj Brake w/ Brake Wire Protector
3 = Hydraulic brake, Duo-Servo	R = Electric Self-Adj Brake w/ Pre-Wired Beam & Brake Wire Protector
F = Hydraulic brake, Free-Backing	K = Electric Self-Adj Brake w/ Long Lead Wires
P = Hydraulic brake, Uni-Servo Premier	N = Electric Self-Adj Brake w/ Brake Wire Protector & Long Lead Wires
Y = Hydraulic brake, Free-Backing Premier	9 = 204 Disc Brake
4 = Hydraulic Disc brake, DAC & Calipers	

## "B" Mounting Position and Lube Options Tube Axle Options

Q = Pads loose / Posi-Lube	E = Top mount / Posi-Lube
R = Pads loose / Bearing Protectors	F = Top mount / Bearing Protectors
X = Pads loose / Oil Bath	T = Top mount / Oil Bath
B = Bottom mount / Posi-Lube	6 = Top & Bottom Mounted Pads / Posi-Lube
C = Bottom mount / Bearing Protectors	<i>Note: Oil Bath 8 bolt only!</i>
S = Bottom mount / Oil Bath	

## Equalizer Axle Options

E = Top mount / Posi-Lube	N = High side mount / Posi-Lube
F = Top mount / Bearing Protectors	O = High side mount / Bearing Protectors
T = Top mount / Oil Bath	W = High side mount / Oil Bath
7 = Side Mount / Attaching Kit Mounted / Bearing Protectors	Y = Side mount / Attaching Kit Mounted / Posi-Lube
H = Side mount / Posi-Lube	Z = High side mount / Attaching Kit Mounted / Posi-Lube
I = Side mount / Bearing Protectors	4 = Side mount / Attaching Kit Mounted / Oil Bath
U = Side mount / Oil Bath	5 = High side mount / Attaching Kit Mounted / Oil Bath
K = High top mount / Posi-Lube	1 = High side mount / Attaching Kit Mounted / Bearing Protectors
L = High top mount / Bearing Protectors	<i>Note: Oil Bath 8 bolt only!</i>
V = High top mount / Oil Bath	

## "C" Beam Options

X = No Camber	K = V-Bend / Galvanized Beam
C = Cambered beam	6 = V-Bend / Galvanized Beam / Removable Spindle
G = No Camber / Galvanized beam	L = V-Bend / Galvanized Beam / Double Mounting Brackets
4 = No Camber / Galvanized beam / Removable Spindle	M = Cambered Beam / Short Spindle (2K-7K EQ, Except 3.5K)
B = Cambered / Galvanized beam	J = No Camber / Short Spindle (2K-7K EQ, Except 3.5K)
5 = Cambered / Galvanized beam / Removable Spindle	1 = No Camber / Removable Spindle
F = Cambered / Galvanized beam / Double Mounting Brackets	2 = Cambered / Removable Spindle
P = Cambered / Double Mounting Brackets	T = Cambered/Galvanized Tube Only
H = V-Bend Beam	S = No Camber/Galvanized Tube Only
3 = V-Bend Beam / Removable Spindle	Q = V-Bend/Galvanized Tube Only

## ORDERING 10K-16K TUBULAR AXLES

<b>10K</b>	<b>740</b>	<b>470</b>	<b>865</b>	<b>E</b>	<b>B</b>	<b>S</b>	<b>X</b>
<i>Axle Capacity</i>	<i>Hubface Dimension</i>	<i>Mounting Dimension</i>	<i>Bolt Pattern, Lube and Pilot Options</i>	<i>Brake Options</i>	<i>Mounting Position</i>	<i>Spring Options</i>	<i>Brake Designation</i>

### "10K" Axle Capacity

10K=10,000lb w/99 spindle 12H=12,000lb w/120 spindle	10H=10,000lb w/120 spindle 15K= 15,000lb w/160 spindle	12K=12,000lb w/160 spindle 16K= 16,000lb w/160 spindle
---	---	---

### "740" Hubface Dimension

740 = 74" Hubface 742 = 74.25" Hubface	745 = 74.5" Hubface 748 = 74.75" Hubface
---	---

### "470" Mounting Dimension

470 = 47" Spring Center 472 = 47.25" Spring Center	475 = 47.5" Spring Center 478 = 47.75" Spring Center
---	---

### "865" Bolt Pattern, Lube and Pilot Options

865 = 8 on 6.5" Bolt Pattern, Oil Bath, Hub Piloted With 4.88" Pilot  
 86G = 8 on 6.5" Bolt Pattern, Grease Lube, Hub Piloted With 4.88" Pilot  
 86C = 8 on 6.5" Bolt Pattern, Oil Bath, Hub Piloted With 4.75" Pilot  
 86D = 8 on 6.5" Bolt Pattern, Grease Lube, Hub Piloted With 4.75" Pilot  
 810 = 8 on 275mm Bolt Pattern, Oil Bath, Hub Piloted, 221mm Pilot  
 108 = 10 on 8.75" Bolt Pattern, Oil Bath, Hub Piloted, 6.5" Pilot

### "E" Brake Options

I = Idler	F = Air Brake
E = Electric Brake	G = Air Brake w/ABS
H = Hydraulic Duo Servo Brake	
D = Hydraulic Disc Brake	
X = Beam Only (Requires Brake Type In Last Character Of Part Number)	

### "B" Mounting Position

B = Bottom Mount	E = Top Mount / Adjustable Spring Pads
A = Bottom Mount / Adjustable Spring Pads	P = Pads Loose
T = Top Mount	

### "S" Spring Options

S = 2.5" Long Multi-leaf	G = 2.5" Short Multi-leaf	P = Parabolic Tapered
M = 3" Multi-leaf	X = No Spring	

### "X" Brake Flange Designation

X = Rockwell American Brake	Q = Rockwell Brake Flange on Beam
H = Hayes/AI-Ko Brake Flange on Beam	W = Warner Brake Flange on Beam



- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS



## ORDERING 10K EQUALIZER AXLES

**10K** **A** **740** **470** **865** **E** **B** **C**

Axle Capacity      Angle      Hubface Dimension      Outside Bracket      Bolt Pattern, Lube and Pilot Options      Brake Options      Mounting Position      Beam Option

### "10K" Axle Capacity

10K=10,000lb w/99 spindle

### "A" Angle

A = 22.5 Up      C = Zero      E = 22.5 Down      F = 45 Down  
B = 10 Up      D = 10 Down      H = 35 Down

### "740" Hubface Dimension

740 = 74" Hubface      745 = 74.5" Hubface  
742 = 74.25" Hubface      748 = 74.75" Hubface

### "470" Mounting Dimension

470 = 47" Outside Bracket      475 = 47.5" Outside Bracket  
472 = 47.25" Outside Bracket      478 = 47.75" Outside Bracket

### "865" Bolt Pattern, Lube and Pilot Options

865 = 8 on 6.5" Bolt Pattern, Oil Bath, Hub Piloted With 4.88" Pilot  
86G = 8 on 6.5" Bolt Pattern, Grease Lube, Hub Piloted With 4.88" Pilot  
86C = 8 on 6.5" Bolt Pattern, Oil Bath, Hub Piloted With 4.75" Pilot  
86D = 8 on 6.5" Bolt Pattern, Grease Lube, Hub Piloted With 4.75" Pilot

### "E" Brake Options

I = Drum Without Brake  
E = Electric Brake  
H = Hydraulic Duo Servo Brake  
D = Hydraulic Disc Brake  
X = Beam Only (Requires Brake Type In Last Character Of Part Number)

### "B" Mounting Position

B = Bottom Mount      E = Top Mount / Adjustable Spring Pads  
A = Bottom Mount / Adjustable Spring Pads      P = Pads Loose  
T = Top Mount

### Equalizer Options

J = High Top Mount/Grease Lube      M = High Side Mount/Grease Lube      3 = High Side Mount/Attaching Kit Mounted/Grease Lube  
V = High Top Mount/Oil Bath      W = High Side Mount/Oil Bath      5 = High Side Mount/Attaching Kit Mounted/Oil Bath

### "C" Brake Flange Designation

X = No Camber      B = Cambered/Galvanized Beam  
C = Cambered Beam      G = No Camber/Galvanized Beam



## ORDERING 22.5K-30K AXLES

**22K 715 S 120 B C B X L X**

Axle Capacity    Track Dimension    Cam Length    Hub, Bolt Pattern, and Drum Options    Brake Options    Slack Adjuster Options    Lubrication Options    Nut Options    Stud Options    Misc. Options

### "22K" Axle Capacity

22,500 lbs.    25,000 lbs.    30,000 lbs.

### "K" Location

M = Meritor Beam  
Q = Central  
K = West Coast  
N = AXN Assembly w/Hub & Drum

### "715" Track Dimension

715 = 71.5" Track (96" Overall)    XXX = Special Track Option  
775 = 77.5" Track (102" Overall)    XXD = XX" Drop Axle  
800 = 80.0" Track (104.5" Overall)

### "S" Cam Dimension

S = Short - 17.4375"    J = Int w/ Enclosure    X = Extra Long - 26.5"  
T = Short w/Enclosure    L = Long - 24.0"    Y = Extra Long w/  
I = Intermediate - 20.5"    M = Long w/Enclosure    Enclosure

### "120" Hub, Bolt Pattern, and Drum Options

#### KIC

180 = 10 on 8.75" / Outboard Mount Drum  
120 = 10 on 285.75mm / Outboard Mount Drum  
121 = 10 on 11.25" / Outboard Mount Drum (Budd)  
110 = 10 on 285.75mm / Inboard Mount Drum (Budd)  
112 = 8 on 275mm / Low Boy Outboard  
113 = 8 on 275mm / Low Boy Outboard (Budd)  
143 = 10 on 285.75mm / Outboard Mount, Parallel Spindle  
103 = 3 Spoke on 12.5"/Lowboy  
105 = 5 spoke on 17.5"

#### WABCO Disc

12D = 10 on 8.75" / Disc Brake Assembly  
18D = 10 on 285.75mm / Disc Brake Assembly  
11D = 8 on 275mm / Disc Brake Assembly

#### Other

X12 = No Hub and Drum / 12.25" x 7.5" Brake  
X14 = No Hub and Drum / 16.5" x 7" Brake / Parallel Spindle  
X16 = No Hub and Drum / 16.5" x 7" Brake  
1AB = 10 ON 11.25" / Aluminum Hub / Centrifuse Drum  
1AP = 10 on 285.75mm / Aluminum Hub / Centrifuse Drum  
1WB = 10 on 11.25" / Duralite Hub / Centrifuse Drum  
1WH = 10 on 285.75mm / Duralite Hub / Centrifuse Drum  
1WK = 10 on 285.75mm / Duralite Hub / KIC Cast Drum  
1WI = 10 on 285.75mm / Duralite Hub / Centrifuse Drum (Stud Pilot)  
1WX = 10 on 285.75mm / Duralite Hub / No Drum

#### Webb

280 = 10 on 8.75" / Outboard Mount Drum  
220 = 10 on 285.75mm / Outboard Mount Drum  
221 = 10 on 11.25" / Outboard Mount Drum (Budd)  
210 = 10 on 285.75mm / Inboard Mount Drum (Budd)  
212 = 8 on 275mm / Low Boy Outboard  
213 = 8 on 275mm / Low Boy Outboard (Budd)  
243 = 10 on 285.75mm / Outboard Mount Drum, Parallel Spindle

#### AXN

380 = 10 on 8.75" / Outboard Mount Drum  
320 = 10 on 285.75mm / Outboard Mount Drum  
321 = 10 on 11.25" / Outboard Mount Drum (Budd)  
310 = 10 on 285.75mm / Inboard Mount Drum (Budd)  
312 = 8 on 275mm / Low Boy Outboard  
313 = 8 on 275mm / Low Boy Outboard (Budd)  
343 = 10 on 285.75mm / Outboard Mount Drum, Parallel Spindle

### "B" Brake Options

#### Brake Options

A = Standard Type 30 Service Chambers w/o ABS Sensor  
B = Type 30/30 Spring Brake w/o ABS Sensor Leads  
C = Standard Type 30 Service Chambers with ABS Sensor Leads  
D = Type 30/30 Spring Brake with ABS Sensor Leads  
E = Type 24/24 Spring Brake w/o ABS Sensor Leads  
F = Type 24/24 Spring Brake with Sensor Leads  
G = Type 24 Service Chambers w/o Sensor Leads  
H = Type 24 Service Chambers w/ ABS Sensor Leads  
X = None

Note: Service Chamber - OFF Highway (no parking brake) or Tag Axle Spring Brake - Over the Highway, includes parking brake

#### TSE

M = Type 30 w/o Sensor    I = Type 30 w/Haldex Sensor  
N = Type 30 w/Sensor    J = Type 30/30 w/Haldex Sensor  
O = Type 30/30 w/o Sensor    K = Type 30/30 Lng Stroke w/o ABS  
P = Type 30/30 w/Sensor    L = Type 30/30 Lng Stroke w/ABS  
Q = Type 24 w/o Sensor    W = Type 30/30 (Ranger) w/o ABS  
R = Type 24 w/Sensor    Z = Type 30/30 (Ranger) w/ABS  
S = Type 24/24 w/o Sensor    U = Type 20 w/ABS  
T = Type 24/24 w/Sensor    V = Type 20 w/o ABS  
Y = ABS Only

#### Special

ABS - Mandatory Over The Highway (uses al-18 lead)  
Non ABS - Off Highway, No Lead Needed

### "C" Slack Adjuster Options

A = Straight Manual Slacks 5.5"  
H = Straight Manual Slacks 6"  
B = Straight Auto Slacks 5.5" - Gunitex  
F = Straight Auto Slacks 6" - Gunitex  
E = Curved Manual Slacks for 12.25" x 7.5" Brakes - Bendix  
K = Curved Auto Slacks 6" - Bendix  
L = Curved Auto Slacks 5.5" - Bendix  
I = Straight Auto Slacks 5.5" - Bendix  
J = Straight Auto Slacks 6" - Bendix  
D = Curved Auto Slacks 5.5"  
M = Curved Auto Slacks 6"  
G = Straight Auto Slacks 5.5" - Meritor  
H = Straight Auto Slacks 6" - Meritor  
X = None  
N = 5.5" Haldex, Straight Auto  
P = 6" Haldex, Straight Auto

### "B" Lube Options

A = CR Seal and Oil Cap  
B = Stemco Seal and Oil Cap  
C = Pro Torque-Stemco  
L = Low-Temp Oil w/Stemco  
E = Grease  
D = Stemco Platinum Advantage # 130-5243  
X = None - Bare Beam

### "X" Stud Options

S = Short Studs  
L = Long Studs

### "L" Nut Options

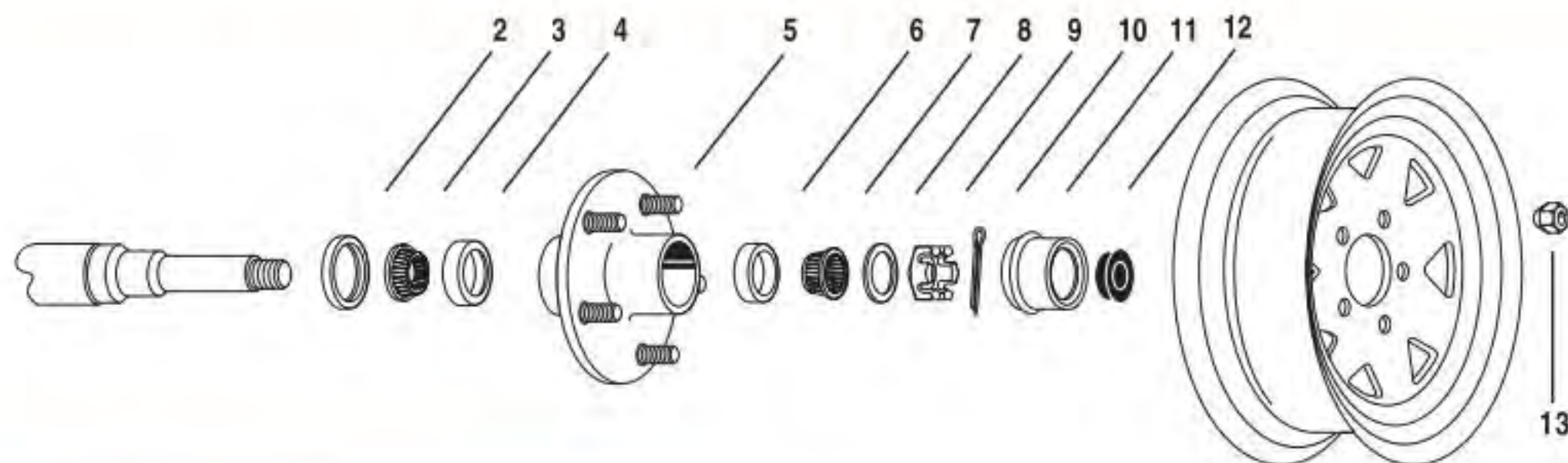
A = Budd Nuts, Steel & Aluminium Wheels  
B = Budd Nuts, Dual Aluminium Wheels  
C = Budd Nuts, Dual Steel Wheels  
D = Wheel Nuts for Super Single Aluminium Wheels  
E = Wheel Flange Nuts, 33mm  
X = No Nuts

### "X" Misc. Options

X = None  
D = Dust Shields  
L = Extended Life Lining (R23)  
E = Dust Shield, Extended Life Lining (R23)  
A = Abex Brake Lining  
T = Tire Inflation Drill Tap  
S = Alternative Sensor

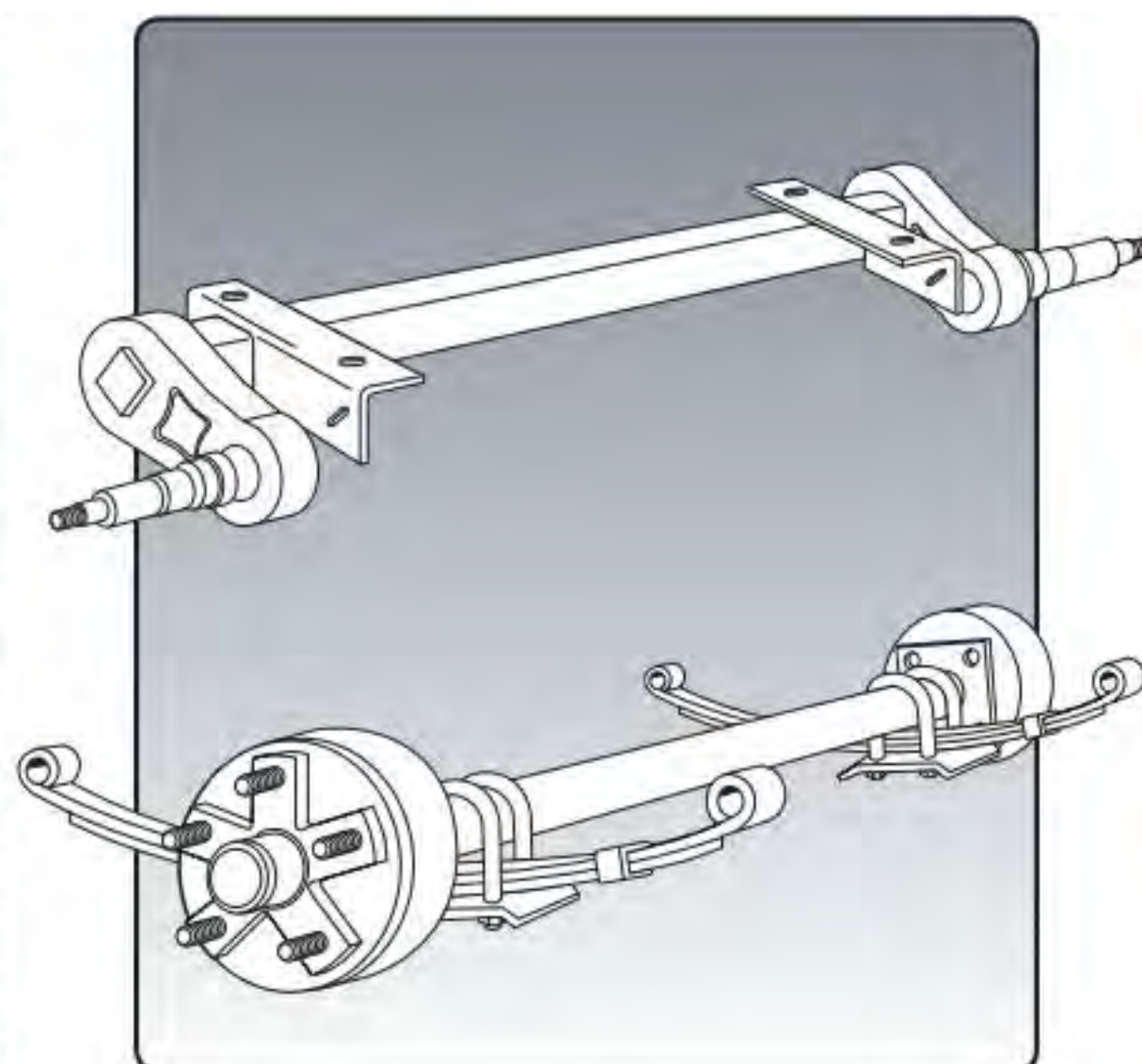
Full List of spec options and configuration available. Contact your local branch for more information.

## 2K AXLE ASSEMBLIES AND COMPONENTS



### 2,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
4-29	Brake Flange, 4-Hole (Optional)	1
15192TB	Grease Seal, Double Lip, 150"	2
12192TB	Grease Seal, Double Lip, 1.25" - STD	2
L-44649	Inner Bearing, 1.0625" ID - BT16	3
L-44643	Inner Bearing, 1" ID - BT8 (Optional)	3
L-44610	Inner Race, 1.98" OD	4
4758-Z	Wheel Stud, .5" - 20 X 1.625" (Idler)	5
L-44610	Outer Race, 1.98" OD	6
L-44649	Outer Bearing, 1.0625" ID - BT16	7
L-44643	Outer Bearing, 1" ID - BT8 (Optional)	7
4753	Spindle Washer, 1"	8
4754-12	Spindle Nut, 1" - 14	9
4755	Cotter Pin, .125" X 2"	10
21-3-PL	Grease Cap, Posi-Lube 1.98" OD	11
RP-100	Rubber Plug, Posi-Lube Cap	12
4756	Cone Wheel Nut, .5" - 20 X 60°	13



### 2,000 LB. Hubs and Drums

PART #		DESCRIPTION	BOLT PATTERN	SPINDLE
COMPLETE HUB	HUB, CUPPED & STUDED			
88440	88440-1	Idler Hub	4 on 4"	BT8
88440-BT16	88440-1	Idler Hub	4 on 4"	BT16
88545	88545-1	Idler Hub	5 on 4.5"	BT8
88545-BT16	88545-1	Idler Hub	5 on 4.5"	BT16
88545W	88545W-1	Idler Hub	5 on 4.5"	BT8
88545W-BT16	88545W-1	Idler Hub	5 on 4.5"	BT16
98440	98440-1	Brake Drum	4 on 4"	BT8
98440-BT16	98440-1	Brake Drum	4 on 4"	BT16
98545	4740-545	Brake Drum	5 on 4.5"	BT8
98545-BT16	4740-545	Brake Drum	5 on 4.5"	BT16

Note: Cupped & studded hubs include the hub, wheel studs and inner & outer race/cups. Complete hubs include the cupped and studded hub, inner & outer bearings, seal, lug nuts and dust cap/grease cap.



## 2,000 LB. Brakes

PART #	DESCRIPTION
4740-L	Electric, 7" X 1.50", LH
4740-R	Electric, 7" X 1.50", RH
4712-L	Hydraulic, 7" X 1.75", LH
4712-R	Hydraulic, 7" X 1.75", RH
2/RCMHS-8-2-E	Hydraulic Disc, 8", Integral Hub, 5 On 4.5", E-Coat, Pair
2/RCMHS-8-2-DAC	Hydraulic Disc, 8", Integral Hub, 5 On 4.5", Dacromet-Coat, Pair

## 2,000 LB. Hanger Kits

PART #	DESCRIPTION	SPRING TYPE
4103	Single Axle	Double Eye
4103-L	Single Axle, Tall	Double Eye
4104	Single Axle, .5625" Eye Bolt	Slipper
4105	Single Axle, .50" Eye Bolt	Slipper
4102	Tandem Axle	Double Eye
4102-A	Tandem Axle, Tall	Double Eye
4101	Triple Axle	Double Eye
4101-A	Triple Axle, Tall	Double Eye

## 2,000 LB. U-Bolt Kits

PART #	DESCRIPTION	TUBE DIAMETER
4205	Round Beam	1.75"
4205-ZP	Round Beam, Zinc Plated	1.75"
4206	Square Beam	1.75"
4206-ZP	Square Beam, Zinc Plated	1.75"
4203	Square Beam	2"
4203-ZP	Square Beam, Zinc Plated	2"

## Common Leaf Springs For 2,000 LB. Axles

PART #	STYLE	LENGTH	CAPACITY	NO. OF LEAVES	WIDTH
4332-11	Double eye	26"	1,100 lbs.	3	1.75"
4332-12	Double eye	25.25"	1,325 lbs.	3	1.75"
4332-13	Double eye	20"	1,500 lbs.	3	1.75"
4332-13L	Double eye	23.25"	1,750 lbs.	3	1.75"
4321-5	Slipper	24"	500 lbs.	2	1.75"
4331-7	Slipper	24"	750 lbs.	3	1.75"
4341-10	Slipper	24"	1,000 lbs.	4	1.75"
4351-12	Slipper	24"	1,300 lbs.	5	1.75"

Note: For additional spring options see pages B-6 Thru B-8.

## AP (Attaching Parts) Kits for EQ Axles

PART #	TOP/SIDE MOUNT
2001-B	Top mount
2001-S	Side mount

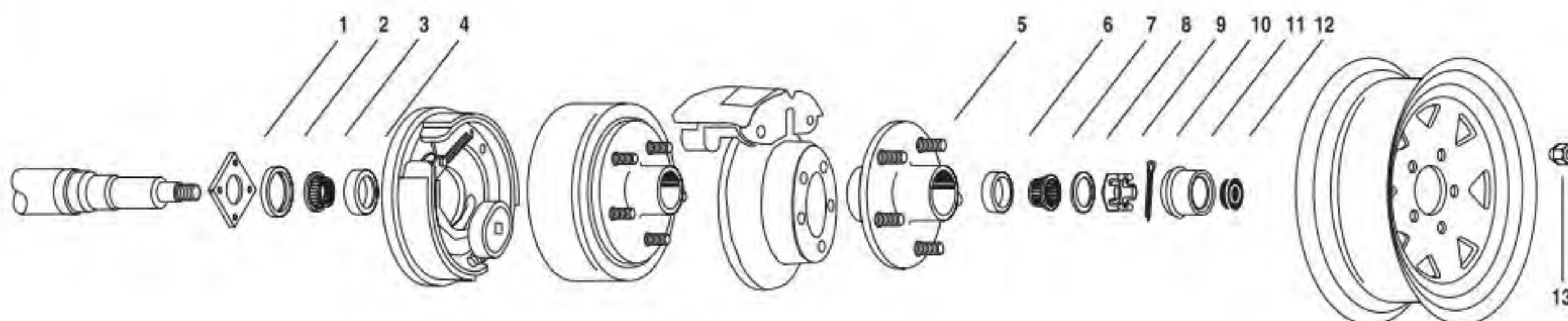
Note: Side mount kits include nuts, bolts, washers, and mounting brackets.  
Top mount kits include nuts, bolts and washers only.

## 2,000 LB. Tubular and Torsion Axle Specifications and Options

SPECIFICATIONS/ OPTIONS	2K	2K EQ
<b>LUBRICATION</b>		
Posi-Lube	Std.	Std.
Bearing Protectors	Opt.	Opt.
<b>STUDS</b>		
.5" Zinc Studs	Std.	Std.
<b>BOLT CIRCLE PATTERNS</b>		
4 On 4"	Opt.	Opt.
5 On 4.5" Circle With 5.75" Flange	Opt.	Opt.
5 On 4.5" Circle With 6.25" Flange	Opt.	Opt.
<b>HUBS</b>		
Black Painted Hubs	Std.	Std.
Galvanized Hubs	Opt.	Opt.
<b>SEALS</b>		
Double lip seal	Std.	Std.
<b>BRAKES</b>		
Electric Brake	Opt.	Opt.
Hydraulic Drum Brake, Uni-Servo	Opt.	Opt.
Hydraulic Disc Brake	Opt.	Opt.
Brake Flange On Idler Axle	Opt.	Opt.
Pre-Wired Axle Tubing	Opt.	Opt.
<b>SPINDLES</b>		
BT-16 Spindle	Std.	Std.
Straight Spindle	Std.	Std.
4" Drop Spindle (2" Sq. Tube Only)	Opt.	X
3" Drop Spindle (2" Sq. Tube Only)	Opt.	X
2" Drop Spindle (2" Sq. Tube Only)	Opt.	X
<b>AXLE MATERIALS</b>		
1.75" High Strength Round Tube	Std.	X
2.173" Round Corner Square Tube	X	Std.
2" X 2" Square Tube	Opt.	X
Cambered Axle Tubing	Std.	Std.
Galvanized Axle Beam	Opt.	Opt.
V-Bend Tubing	X	Opt.
<b>EQ ATTACHING BRACKETS</b>		
High Mount Brackets +2"	X	Opt.
High Mount Brackets +3"	X	Opt.

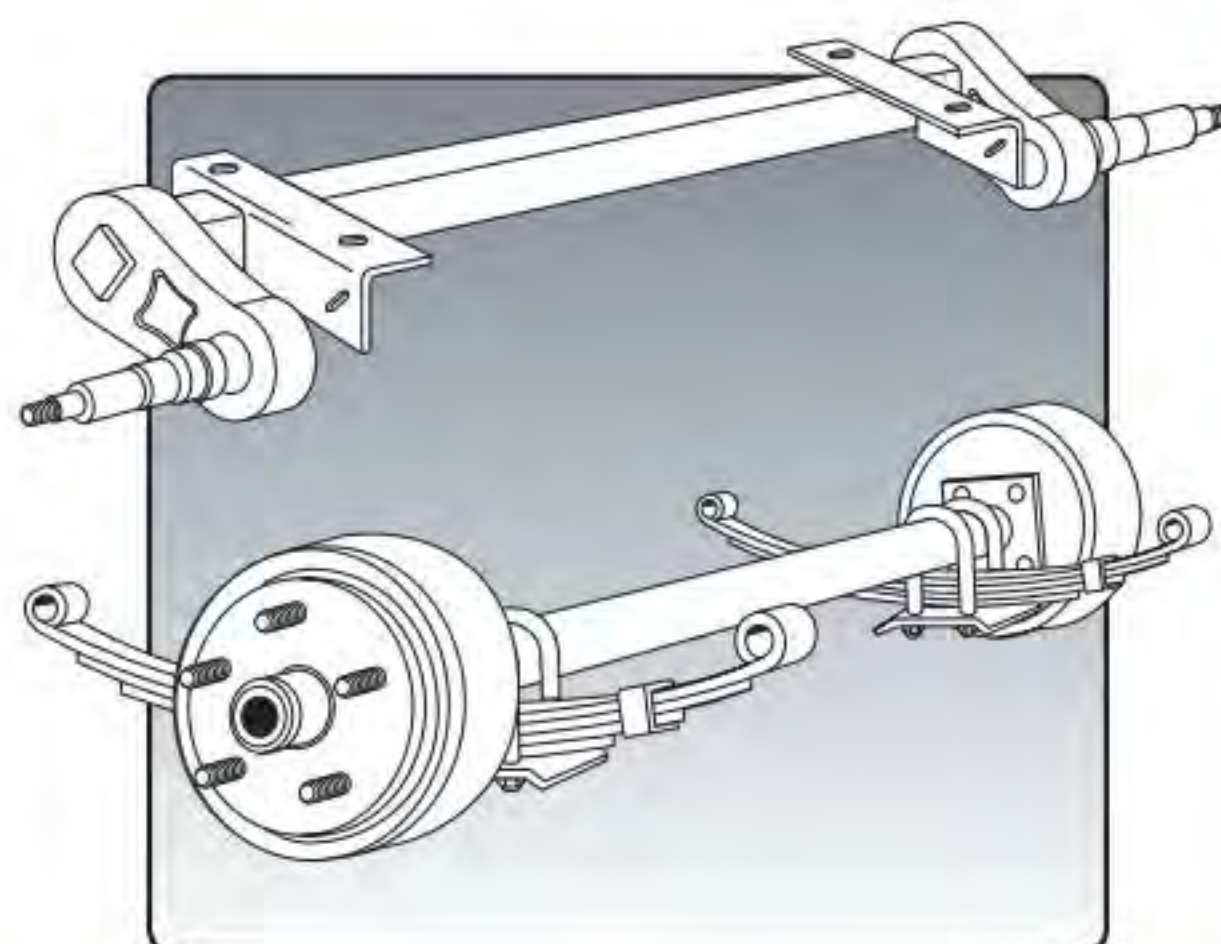
Std. = Standard Opt. = Option X = Not Available

## 3.5K AXLE ASSEMBLIES AND COMPONENTS



### 3,500 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
4-12	Brake Flange, 4-hole	1
171255TB	Grease Seal, Double Lip, 1.719"	2
L-68149	Inner Bearing, 1.375" ID	3
L-68111	Inner Race, 2.362" OD	4
4759-Z	Wheel Stud, .5" - 20 x 1.84"	5
4759-20-Z	Wheel Stud, .5" - 20 x 2"	-
L-44610	Outer Race, 1.98" OD	6
L-44649	Outer Bearing, 1.0625" ID	7
4753	Spindle Washer, 1"	8
4754-12	Spindle Nut, 1" - 14	9
4755	Cotter Pin, .125" x 2"	10
21-3-PL	Grease Cap, Posi-Lube 1.98" OD	11
RP-100	Rubber Plug, Posi-Lube Cap	12
4756	Cone Wheel Nut, .5" - 20 x 60°	13



### 3,500 LB. Hubs and Drums

PART #		DESCRIPTION	BOLT PATTERN
COMPLETE HUB	HUB, CUPPED & STUDDED		
84545	84545-1	Idler Hub	5 on 4.5"
845475	845475-1	Idler Hub	5 on 4.75"
84550	84550-1	Idler Hub	5 on 5"
84555	84555-1	Idler Hub	5 on 5.5"
84655	84655-1	Idler Hub	6 on 5.5"
94545	94545-1	Brake Drum	5 on 4.5"
945475	945475-1	Brake Drum	5 on 4.75"
94550	94550-1	Brake Drum	5 on 5"
94555	94555-1	Brake Drum	5 on 5.5"
94655	94655-1	Brake Drum	6 on 5.5"

Note: Cupped & studded hubs include the hub, wheel studs and inner & outer race/cups. Complete hubs include the cupped and studded hub, inner & outer bearings, seal, lug nuts and dust cap/grease cap.



### FRACTION TO DECIMAL CONVERSION CHART

FRACTION	1/16	1/8	9/64	5/32	3/16	11/64	13/64	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
DECIMAL	.0625	.1250	.140625	.15625	.1875	.171875	.203125	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.6875	.7500	.8125	.8750	.9375



## 3,500 LB. Brakes

PART #	DESCRIPTION
4701-L	Electric, 10" X 2.25", LH
4701-R	Electric, 10" X 2.25", RH
4701-LA	Electric, 10" X 2.25", LH, Auto Adjusting
4701-RA	Electric, 10" X 2.25", RH, Auto Adjusting
4701-LP	Electric, 10" X 2.25" LH, Parking
4701-RP	Electric, 10" X 2.25" LH, Parking
4710-L	Hydraulic, 10" X 2.25", LH, Uniservo
4710-R	Hydraulic, 10" X 2.25", RH, Uniservo
40716	Hydraulic freebacking, 10" X 2.25", LH
40715	Hydraulic freebacking, 10" X 2.25", RH
44454	Hydraulic premier, 10" X 2.25", LH
44453	Hydraulic premier, 10" X 2.25", RH
44235	Hydraulic freebacking premier, 10" X 2.25", LH
44234	Hydraulic freebacking premier, 10" X 2.25", RH
2/RCMHS-8-3-E	Hydraulic disc, 8", Integral Hub, 5 on 4.5", E-coat, pair, 10"-13" Wheel
2/RCMHS-8-3-DAC	Hydraulic disc, 8", Integral Hub, 5 on 4.5", Dacromet-coat, pair, 10"-13" Wheel
2/HRCM-10-E	Hydraulic disc, 10", Integral Hub, E-coat, pair
2/HRCM-10-DAC	Hydraulic disc, 10", Integral Hub, Dacromet, pair
2/HRCM-10-DAC-SS	Hydraulic disc, 10", Integral Hub, Stainless Calipers, Dacromet Rotors, & Mntg Brkts, pair
2/RCM-10-E	Hydraulic disc, 10", E-coat, pair
2/RCM-10-DAC	Hydraulic disc, 10", Dacromet-coat, pair
2/RCM-10-DAC-SS	Hydraulic disc, 10", Stainless Calipers, Dacromet Rotors, & Mntg Brkts, pair
2/RCM-10-SS	Hydraulic disc, 10", Stainless Rotors, Calipers & Mntg Brkts, pair

Note: 3,500 lb. Hydraulic Disc Brakes are only available in 5 on 4.5" bolt pattern

## 3,500 LB. U-Bolt Kits

PART #	DESCRIPTION	TUBE DIAMETER
4202-GD	Round Beam .4375"	2.375"
4202-HD	Round beam .5"	2.375"
4202-HDZP	Round Beam, Zinc Plated	2.375"
4203	Square Beam	2"
4203-ZP	Square Beam, Zinc Plated	2"
4203-L	Rectangular Beam	2" x 3"
4203-LZP	Rectangular Beam, Zinc Plated	2" x 3"

## Common Leaf Springs for 3,500 LB. Axles

PART #	STYLE	LENGTH	CAPACITY (EA)	NO. OF LEAVES	WIDTH
4342-16	Double eye	26"	1,600 lbs.	4	1.75"
4342-17	Double eye	25.25"	1,750 lbs.	4	1.75"
4332-18	Double eye	25.25"	1,850 lbs.	3	1.75"
4341-17	Slipper	29"	1,750 lbs.	5	1.75"
4351-23	Slipper	24"	2,300 lbs.	4	1.75"

## 3,500 LB. Hanger Kits

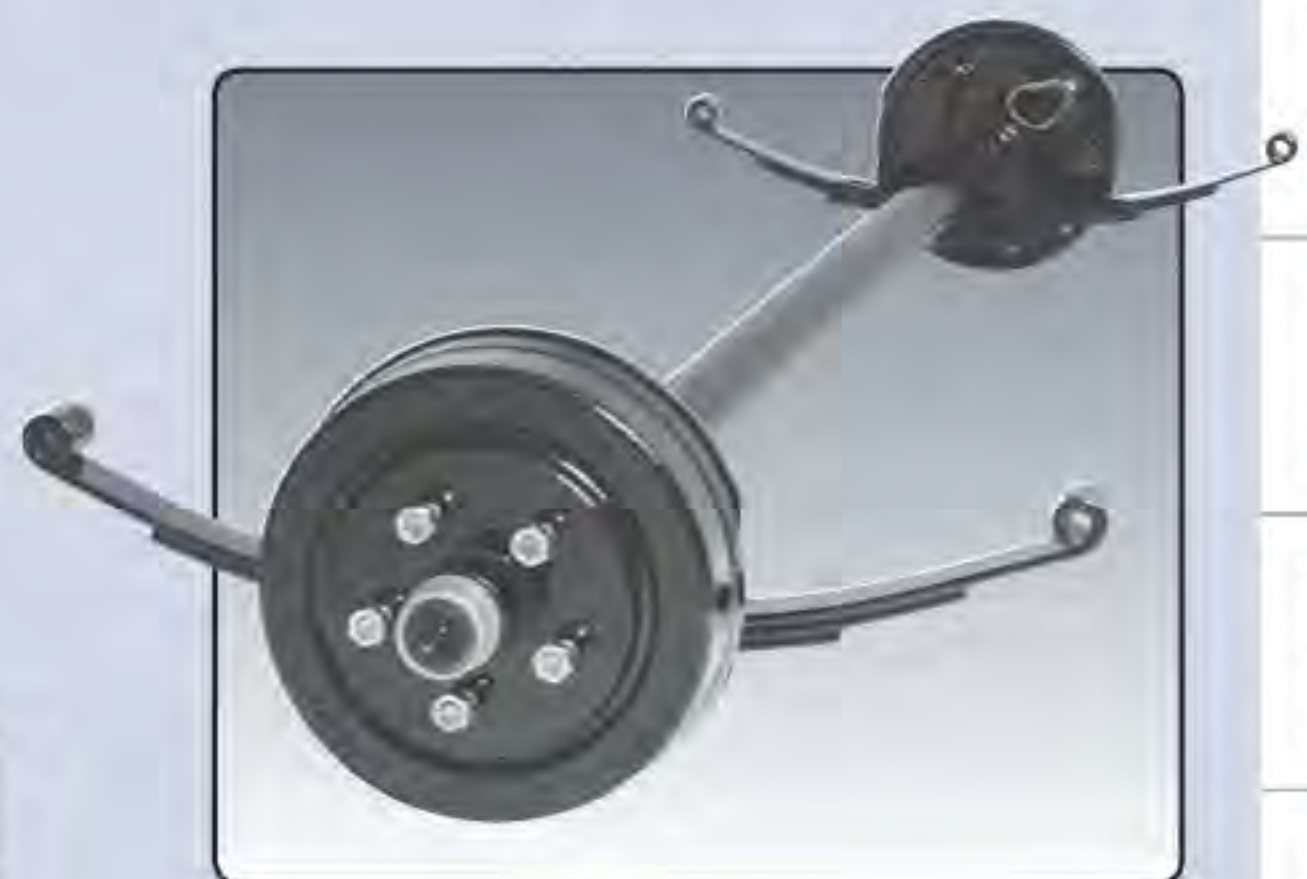
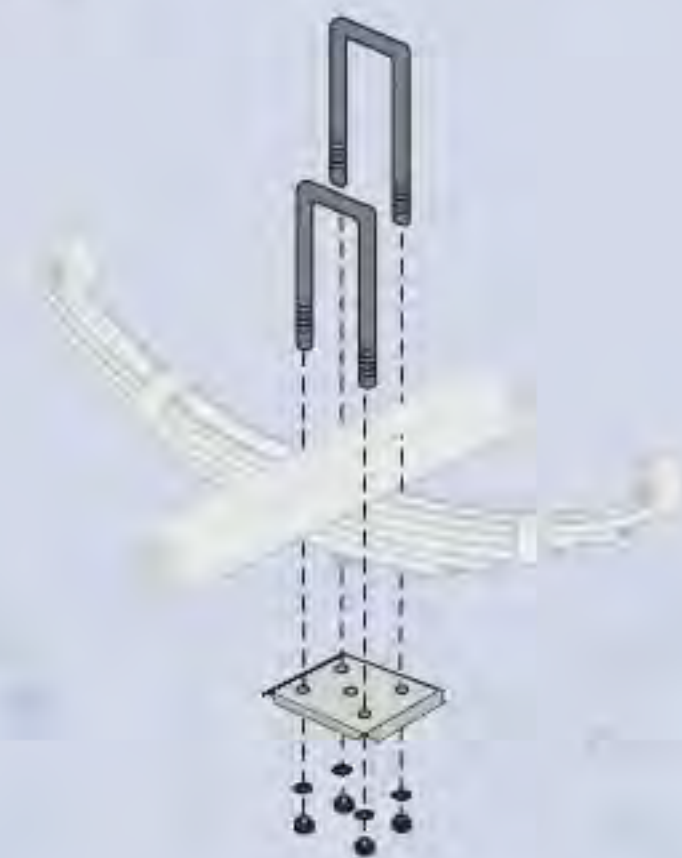
PART #	DESCRIPTION	SPRING TYPE
4103	Single axle	Double eye
4103-L	Single axle, tall	Double eye
4104	Single axle	Slipper
4105	Single axle, .5" eye	Slipper
4102	Tandem axle	Double eye
4102-A	Tandem axle, tall	Double eye
4101	Triple axle	Double eye
4101-A	Triple axle, tall	Double eye

## AP (Attaching Parts) Kits For EQ Axles

PART #	TOP/SIDE MOUNT
3501-B	Top mount
3501-S	Side mount

Note: Side mount kits include nuts, bolts, washers, and mounting brackets.

Top mount kits include nuts, bolts and washers only.



Note: For additional spring options see pages B-6 Thru B-9.

# AXLES & COMPONENTS



## 3,500 LB. Tubular and Torsion Axle Specifications and Options

SPECIFICATIONS/OPTIONS	3.5K	3.5K EQ
<b>LUBRICATION</b>		
Posi-Lube	Std.	Std.
Bearing Protectors	Opt.	Opt.
<b>STUDS</b>		
.5" Zinc Studs	Std.	Std.
.5" X 2" Zinc Studs (Standard With Disc Brakes)	Opt.	Opt.
<b>BOLT CIRCLE PATTERNS</b>		
5 On 4.5" With 6.25" Flange (Std.)	Opt.	Opt.
5 On 4.75"	Opt.	Opt.
5 On 5.0"	Opt.	Opt.
5 On 5.5"	Opt.	Opt.
6 On 5.5"	Opt.	Opt.
<b>HUBS</b>		
Black Painted Hubs	Std.	Std.
Galvanized Hubs	Opt.	Opt.
<b>SEALS</b>		
Double Lip Seal	Std.	Std.
Stainless Steel Spindle Wear Sleeve	Opt.	Opt.
<b>SPINDLES</b>		
#84 Spindle	Std.	Std.
4" Drop Spindle	Opt.	X
2" Drop Spindle (2" Sq. & 2" X 3" Rect. Tube Only)	Opt.	X
3" Drop Spindle (2" Sq. & 2" X 3" Rect. Tube Only)	Opt.	X
<b>BRAKES</b>		
Electric Brake	Opt.	Opt.
Electric Brake, Parking	Opt.	Opt.
Hydraulic Brake, Uni-Servo	Opt.	Opt.
Hydraulic Brake, Uni-Servo With Parking Feature	Opt.	Opt.
Hydraulic Brake, Free Backing	Opt.	Opt.
Hydraulic Brake, Uni-Servo Premier	Opt.	Opt.
Hydraulic Brake, Free Backing Premier	Opt.	Opt.
Hydraulic Disc, Integral Hub, E-Coat	Opt.	Opt.
Hydraulic Disc, Integral Hub, Dacromet Rotors, Calipers & Mntg Brkts	Opt.	Opt.
Hydraulic Disc, Integral Hub, Stainless Calipers, Dacromet Rotors, & Mntg Brkts	Opt.	Opt.
Hydraulic Disc Brake, E-Coat	Opt.	Opt.
Hydraulic Disc, Dacromet Rotors, Calipers & Mntg Brkts	Opt.	Opt.
Hydraulic Disc, Stainless Calipers, Dacromet Rotors, & Mntg Brkts	Opt.	Opt.
Hydraulic Disc, Stainless Rotors, Calipers & Mntg Brkts	Opt.	Opt.
Brake Flange On Idler Axle	Std.	Std.
Pre-Wired Axle Tubing	Opt.	Opt.
Brake Wire Protectors	Opt.	Opt.
Long Magnet Lead Wires	Opt.	Opt.
<b>AXLE MATERIALS</b>		
2.375" High Strength Round Tube	Std.	X
3" High Strength Round Tube	Opt.	X
2.625" Round Corner Square Tube	X	Std.
2" X 2" Square Tube	Opt.	X
2" X 3" Rectangular Tube	Opt.	X
Cambered Axle Tubing	Opt.	Std.
Galvanized Axle Beam	Opt.	Opt.
V-Bend Tubing	Opt.	Opt.
<b>EQ ATTACHING BRACKETS</b>		
High Mount Brackets +.5"	X	Opt.
High Mount Brackets +3"	X	Opt.

Std. = Standard      Opt. = Option      X = Not Available



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

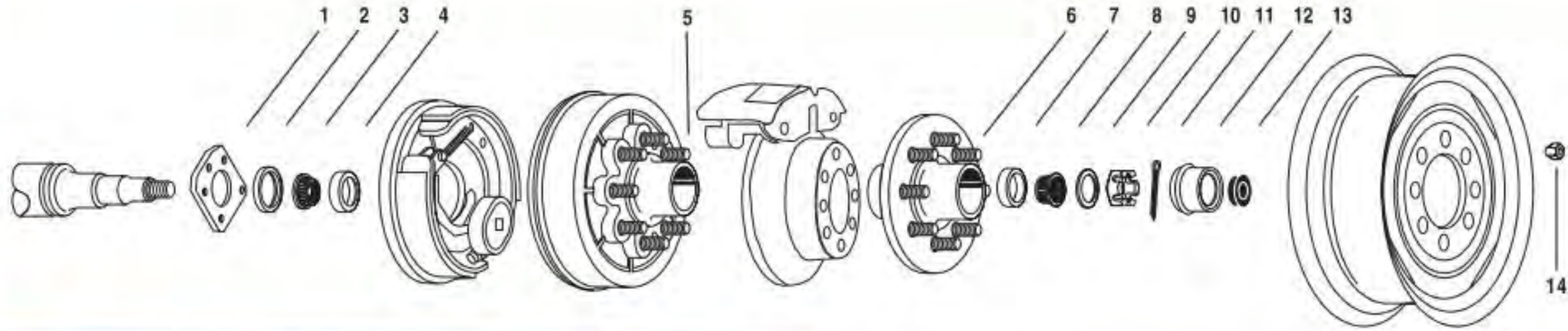
AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

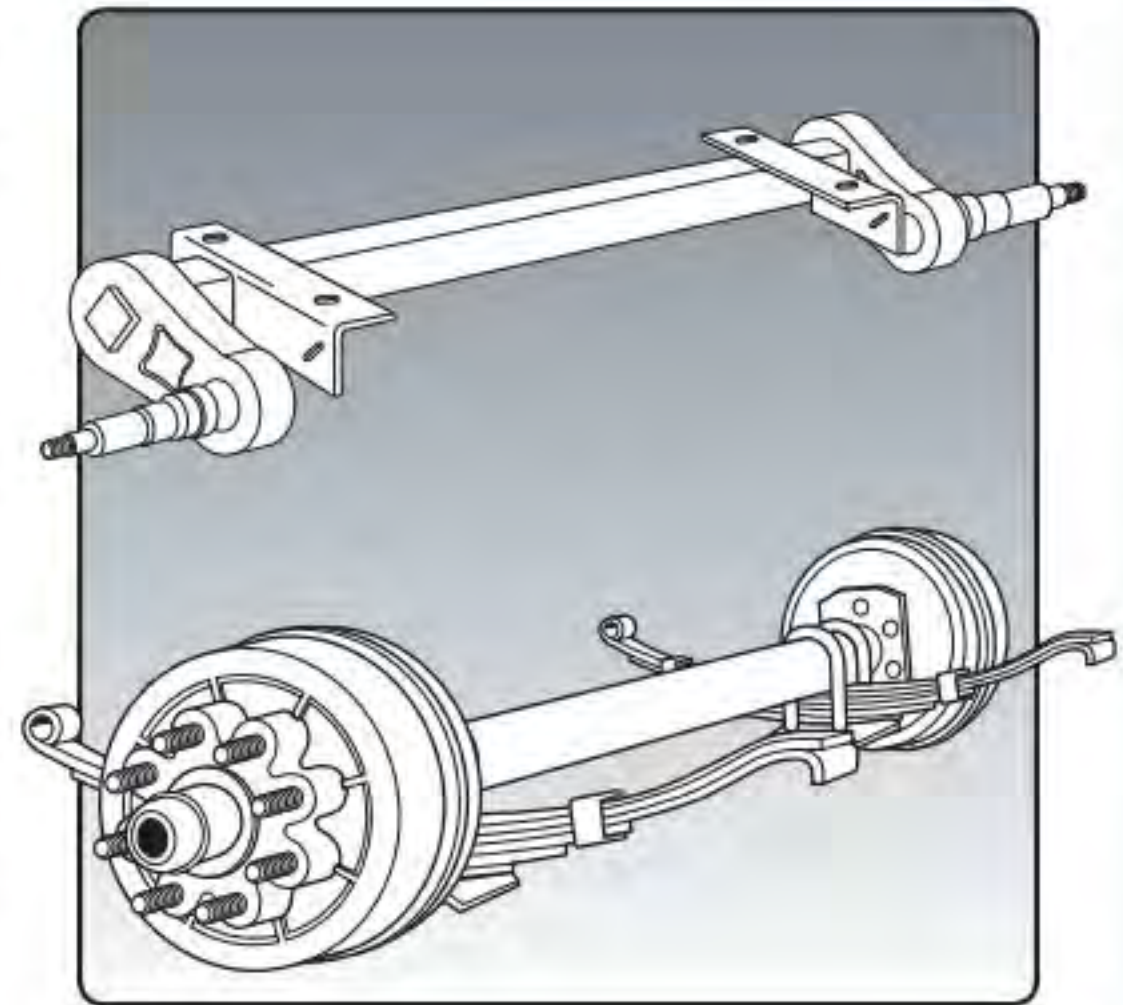
PACKAGED PRODUCTS

## 5.2K, 6K, & 7K AXLE ASSEMBLIES AND COMPONENTS



### 5,200-6,000-7,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
4-6T	Brake flange, 5-hole	1
22333TBN	Grease seal, double lip, 2.25"	2
25580	Inner bearing, 1.75" ID	3
25520	Inner race, 3.625" OD	4
4759-25-Z	Wheel stud, .5" - 20 x 2.5" (Brake Drum)	5
4759-Z	Wheel stud, .5" - 20 x 1.8125" (Idler Hub)	6
15245	Outer race, 2.441" OD (6 bolt)	7
14276	Outer race, 2.717" OD (8 bolt)	-
15123	Outer bearing, 1.25" ID (6 bolt)	8
14125A	Outer bearing, 1.25" ID (8 bolt)	-
4753	Spindle washer, 1"	9
4754-12	Spindle nut, 1" - 14	10
4755	Cotter pin, .125" x 2"	11
21-1-PL	Grease cap, Posi-Lube 2.44" OD	12
1605-PL	Grease cap, Posi-Lube 2.717" OD	12
RP-100	Rubber plug, Posi-Lube cap	13
4756	Cone wheel nut, .5" - 20 x 60°	14
4756-1	Nut, .5625" - 18, 60 Deg, Cone Lug	14
X1048	Nut, .625" - 18, 90 Deg, Cone Lug	14



### 5,200-6,000-7,000 LB. Hubs and Drums

COMPLETE HUB PART #	HUB, CUPPED & STUDDED PART #	DESCRIPTION	BOLT PATTERN
82655 (max cap. 6K lbs. per axle)	82655-1	Idler hub	6 on 5.5"
82660 - (max cap. 7K w/.5625 studs)	82660-1	Idler hub	6 on 6"
82865A	82865A-1	Idler hub	8 on 6.5"
92655 (max cap. 6K lbs. per axle)	92655-1	Brake drum	6 on 5.5"
92865A	92865A-1	Brake drum	8 on 6.5"
92865A-OB (Oil bath)	92865A-1OB	Brake drum	8 on 6.5"
9286T (.5625" studs)	9286T-1	Brake drum	8 on 6.5"
9286T-OB (Oil bath / .5625" studs)	9286T-1OB	Brake drum	8 on 6.5"
9286L (.625 Studs)	9286L-1	Brake drum	8 on 6.5"

Note: Cupped & studded hubs include the hub, wheel studs and inner & outer race/cups. Complete hubs include the cupped and studded hub, inner & outer bearings, seal, lug nuts and dust cap/grease cap.



- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS

## 5,200-6,000-7,000 LB. Brakes

PART #	DESCRIPTION
4704-L	Electric, 12" X 2", LH
4704-R	Electric, 12" X 2", RH
4704-LA	Electric, 12" X 2", LH, Auto Adjusting
4704-RA	Electric, 12" X 2", RH, Auto Adjusting
4704-LP	Electric, 12" X 2", LH, Parking
4704-RP	Electric, 12" X 2", RH, Parking
4711-L	Hydraulic, 12" X 2", LH, Uniservo
4711-R	Hydraulic, 12" X 2", RH, Uniservo
42029	Hydraulic Free-Backing, 12" X 2", LH
42028	Hydraulic Free-Backing, 12" X 2", RH
44984	Hydraulic Premier, 12" X 2", LH
44983	Hydraulic Premier, 12" X 2", RH
44896	Hydraulic Free-Backing Premier, 12" X 2", LH
44895	Hydraulic Free-Backing Premier, 12" X 2", RH
2/HRCM-12-E	Hydraulic Disc, 12", Integral Hub, E-Coat, Pair (6 Bolt)
2/HRCM-12-DAC	Hydraulic Disc, 12", Integral Hub, Dacromet, Pair (6 Bolt)
2/HRCM-12-DAC-SS	Hydraulic Disc, 12", Integral Hub, Stainless Calipers, Dacromet Rotors, & Mntg Brkts, Pair (6 Bolt)
2/RCM-12-E	Hydraulic Disc, 12", E-Coat, Pair (6 Bolt)
2/RCM-12-DAC	Hydraulic Disc, 12", Dacromet-Coat, Pair (6 Bolt)
2/RCM-12-DAC-SS	Hydraulic Disc, 12", Stainless Calipers, Dacromet Rotors, & Mntg Brkts, Pair (6 Bolt)
2/RCM-12-SS	Hydraulic Disc, 12", Stainless Steel, Pair (6 Bolt)
2/RCM-133-7-8E	Hydraulic Disc, 13", E-Coat, Pair (8 Bolt)
2/RCM-133-7-8DAC	Hydraulic Disc, 13", Dacromet-Coat, Pair
2/RCM-133-7-8DSS	Hydraulic Disc, 13", Stainless Calipers, Dacromet Rotors, & Mntg Brkts, Pair
2/RCM-133-7-8SS	Hydraulic Disc, 13", Stainless Steel, Pair (8 Bolt)



Note: See Brake section for more disc brake options.



## 5,200-6,000-7,000 LB. Hanger Kits

PART #	DESCRIPTION	SPRING TYPE
4103-L	Single Axle, Tall	Double Eye
4115-H	Single Axle	Slipper
4102	Tandem Axle	Double Eye
4102-A	Tandem Axle, Tall	Double Eye
4114-H	Tandem Axle	Slipper
4101	Triple Axle	Double Eye
4101-A	Triple Axle, Tall	Double Eye
4113-H	Triple Axle	Slipper

## 5,200-6,000-7,000 LB. U-Bolt Kits

PART #	DESCRIPTION	TUBE DIAMETER
4201-GD	Round Beam .5"	3"
4201-GDZP	Round Beam, Zinc Plated, .5"	3"
4201-HD	Round Beam .5625"	3"
4201-HDZP	Round Beam, Zinc Plated	3"
4203-L	Rectangular Beam	2" x 3"
4203-LZP	Rectangular Beam, Zinc Plated, Long	2" x 3"



## AP (Attaching Parts) Kits for EQ Axles

PART #	TOP/SIDE MOUNT
3501-B	Top Mount (3.5K, 5.2K, 6K, and 7K)
6001-S	Side Mount (5.2K and 6K)
7001-S	Side Mount (7K)
8001-S	High Side Mount (7K, 8K, and 10K)

Note: Side mount kits include nuts, bolts, washers, and mounting brackets. Top mount kits include nuts, bolts and washers only.

FRACTION	DECIMAL	FRACTION	DECIMAL
1/16	.0625	7/16	.4375
1/8	.1250	1/2	.5000
9/64	.140625	9/16	.5625
5/32	.15625	5/8	.6250
3/16	.1875	11/16	.6875
11/64	.171875	3/4	.7500
13/64	.203125	13/16	.8125
1/4	.2500	7/8	.8750
5/16	.3125	15/16	.9375
3/8	.3750		

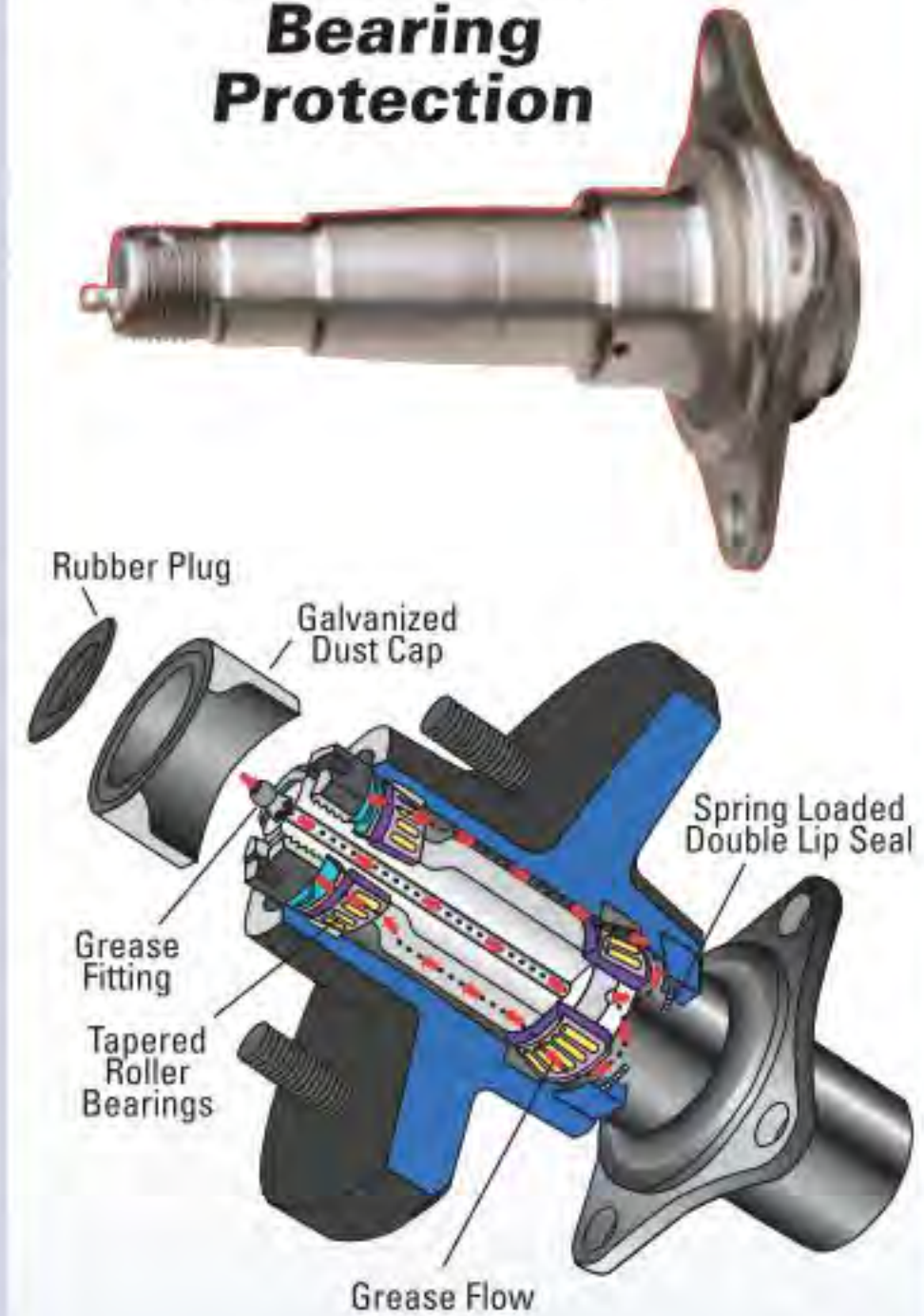
## 5,200-6,000-7,000 LB. Tubular and Torsion Axle Specifications and Options

SPECIFICATIONS / OPTIONS	TUBE AXLES			EQ AXLES		
	5.2K	6K	7K	5.2K	6K	7K
<b>LUBRICATION</b>						
Posi-Lube	Std.	Std.	Std.	Std.	Std.	Std.
Oil Bath Lube	X	Opt.	Opt.	X	Opt.	Opt.
Bearing Protectors	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
<b>STUDS</b>						
.5" Zinc Studs	Std.	Std.	Std.	Std.	Std.	Std.
.5" X 2" Zinc Studs (Standard With Disc Brakes)	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
.5" X 2.5" Zinc Studs	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
.5625" Zinc Studs	X	Opt.	Opt.	X	Opt.	Opt.
.625" Black Studs	X	X	Opt.	X	X	Opt.
<b>BOLT CIRCLE PATTERNS</b>						
6 On 5.5"	Std.	Opt.	X	Std.	Opt.	X
6 On 6.0" (Idler Only)	Opt.	Opt.	X	Opt.	Opt.	X
8 On 6.5"	X	Std.	Std.	X	Std.	Std.
<b>HUBS</b>						
Black Painted Hubs	Std.	Std.	Std.	Std.	Std.	Std.
Galvanized Hubs	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
<b>SEALS</b>						
Double Lip Seal	Std.	Std.	Std.	Std.	Std.	Std.
Unitized Seal	X	Opt.	Opt.	X	Opt.	Opt.
Stainless Steel Spindle Wear Sleeve	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
<b>SPINDLES</b>						
#42 Spindle	Std.	Std.	Std.	Std.	Std.	Std.
4" Drop Spindle	Opt.	Opt.	Opt.	X	X	X
2" Drop Spindle - (2" Sq. & 2" X 3" Rect. Tube Only)	Opt.	X	X	X	X	X
3" Drop Spindle - (2" Sq. & 2" X 3" Rect. Tube Only)	Opt.	X	X	X	X	X
<b>BRAKES</b>						
Electric Brake	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Electric Brake, Self Adjusting	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Electric Brake, Parking	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Brake, Duo-Servo	Opt.	Opt.	Opt.	Opt.	X	X
Hydraulic Brake, Uni-Servo	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Brake, Free Backing With Parking Feature	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Brake, Free Backing	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Brake, Uni-Servo Premier	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Brake, Free Backing Premier	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Disc Brake, E-Coat	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Disc Brake, Dacromet	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Disc, Stainless Rotors, Calipers & Mntg Brkts	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Disc, Integral Hub, E-Coat	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Disc, Integral Hub, Dacromet Rotors, Calipers & Mntg Brkts	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.

Std. = Standard  
Opt. = Option  
X = Not Available

## POSI-LUBE

### Continuous Bearing Protection



**SPECS AND OPTIONS (Continued on Next Page)**

## SPECS AND OPTIONS (Continued)

### 5,200-6,000-7,000 LB. Tubular and Torsion Axle Specifications and Options

SPECIFICATIONS / OPTIONS	TUBE AXLES			EQ AXLES		
	5.2K	6K	7K	5.2K	6K	7K
<b>BRAKES (CONTINUED)</b>						
ABS Sensors (8 Bolt Disc Only)	X	Opt.	Opt.	X	Opt.	Opt.
Brake Flange On Idler Axle	Std.	Std.	Std.	Std.	Std.	Std.
Pre-Wired Axle Tubing	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Brake Wire Protectors	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
Long Magnet Lead Wires	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
<b>AXLE MATERIALS</b>						
3" X High Strength Round Tube	Std.	Std.	X	X	X	X
3" X High Strength Hd Round Tube	X	Opt.	Std.	X	X	X
2" X 3" Rectangular Tube	Opt.	X	X	X	X	X
3.031" Round Corner Square Tube	X	X	X	Std.	Std.	X
3.50" Round Corner Square Tube	X	X	X	X	X	Std.
Cambered Axle Tubing	Opt.	Opt.	Opt.	Std.	Std.	Std.
V-Bend Tubing	X	X	X	Opt.	Opt.	Opt.
Galvanized Axle Beam	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
<b>EQ ATTACHING BRACKETS</b>						
High Mount Brackets +.5"	X	X	X	Opt.	Opt.	Opt.

Std. = Standard

Opt. = Option

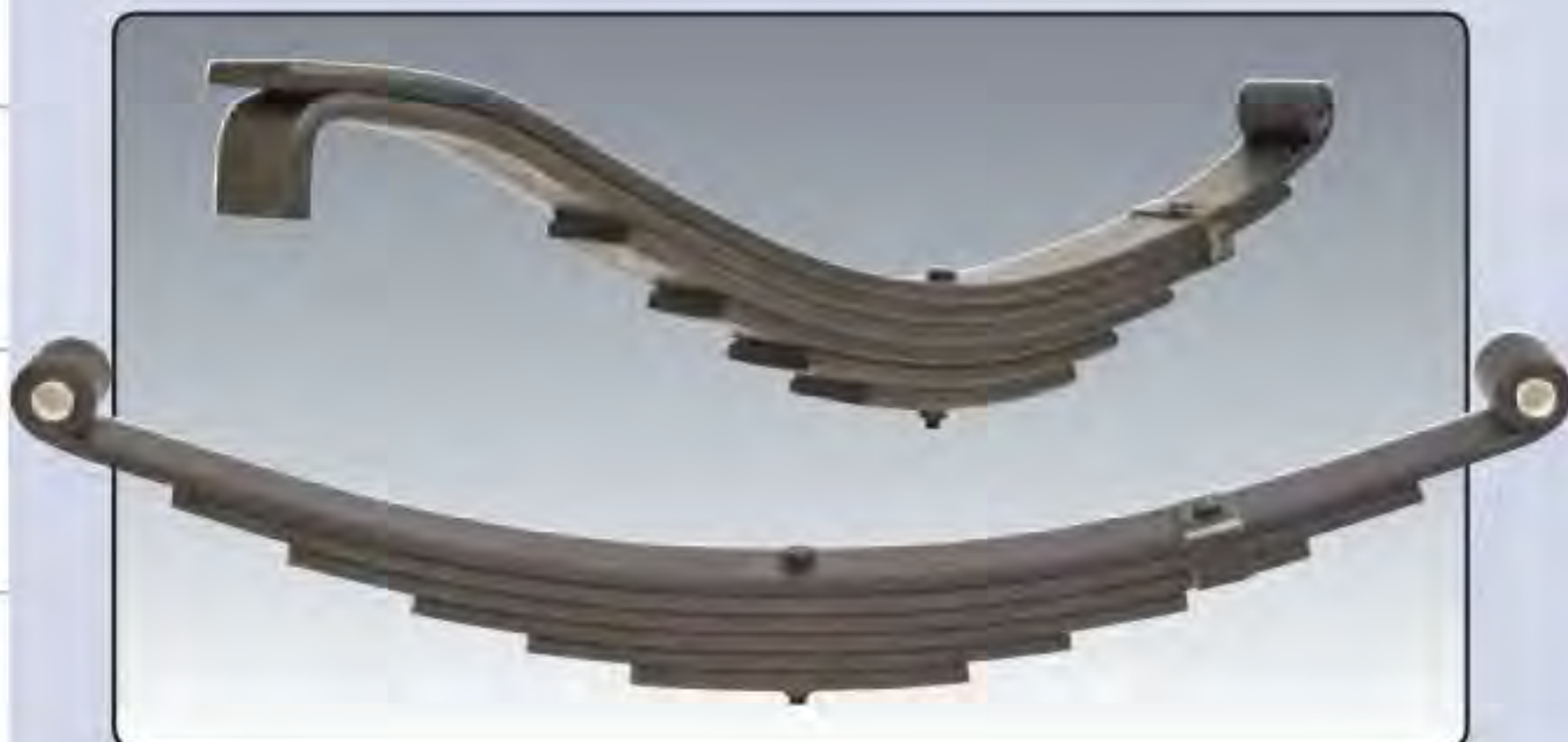
X = Not Available



### Common Leaf Springs for 5,200-6,000-7,000 LB. Axles

PART #	STYLE	LENGTH	CAPACITY (EA)	NO. OF LEAVES	WIDTH
4352-29	Double Eye	25.25"	2,900 lbs.	5	1.75"
4342-30	Double Eye	26"	3,000 lbs.	4	1.75"
4362-30	Double Eye	27"	3,000 lbs.	6	1.75"
4382-30	Double Eye	26"	3,000 lbs.	8	1.75"
4362-33	Double Eye	25.25"	3,300 lbs.	6	1.75"
1003T3	Slipper	26.125"	2,500 lbs.	4	2"
4351-30	Slipper	27"	3,600 lbs.	5	2"
1203T3	Slipper	26.125"	3,500 lbs.	5	2"

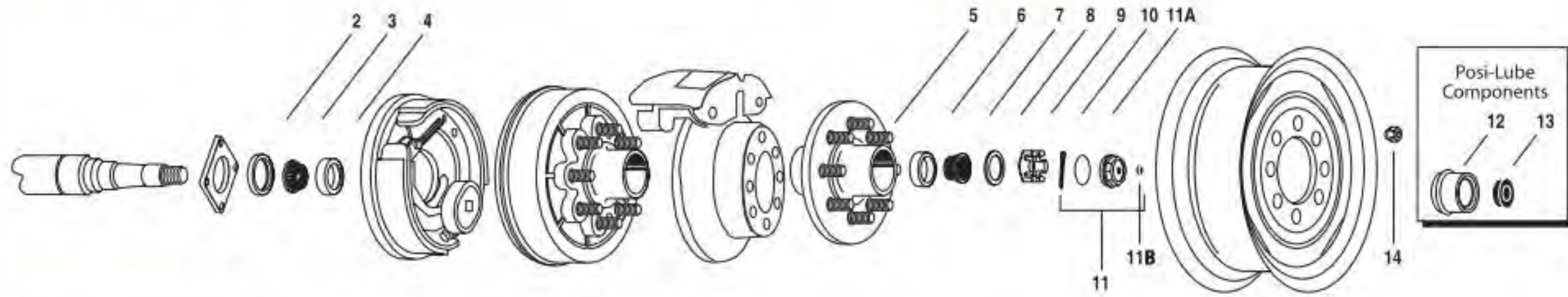
Note: For additional spring options see pages B-6 Thru B-8.



FRACTION	DECIMAL	FRACTION	DECIMAL
1/16	.0625	7/16	.4375
1/8	.1250	1/2	.5000
9/64	.140625	9/16	.5625
5/32	.15625	5/8	.6250
3/16	.1875	11/16	.6875
11/64	.171875	3/4	.7500
13/64	.203125	13/16	.8125
1/4	.2500	7/8	.8750
5/16	.3125	15/16	.9375
3/8	.3750		

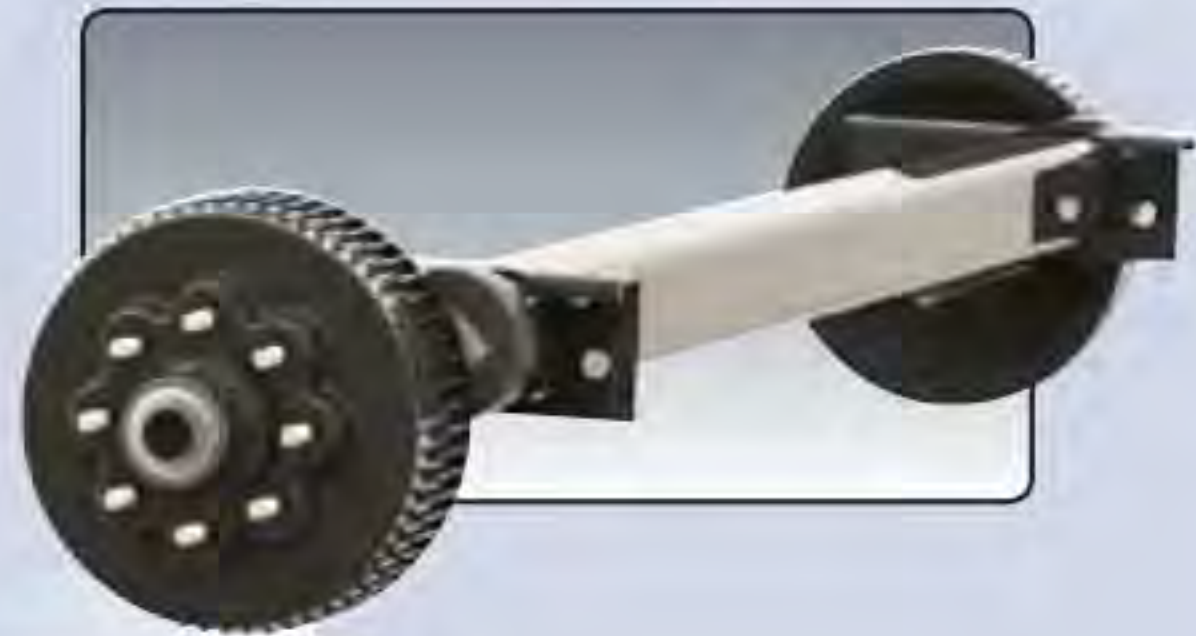
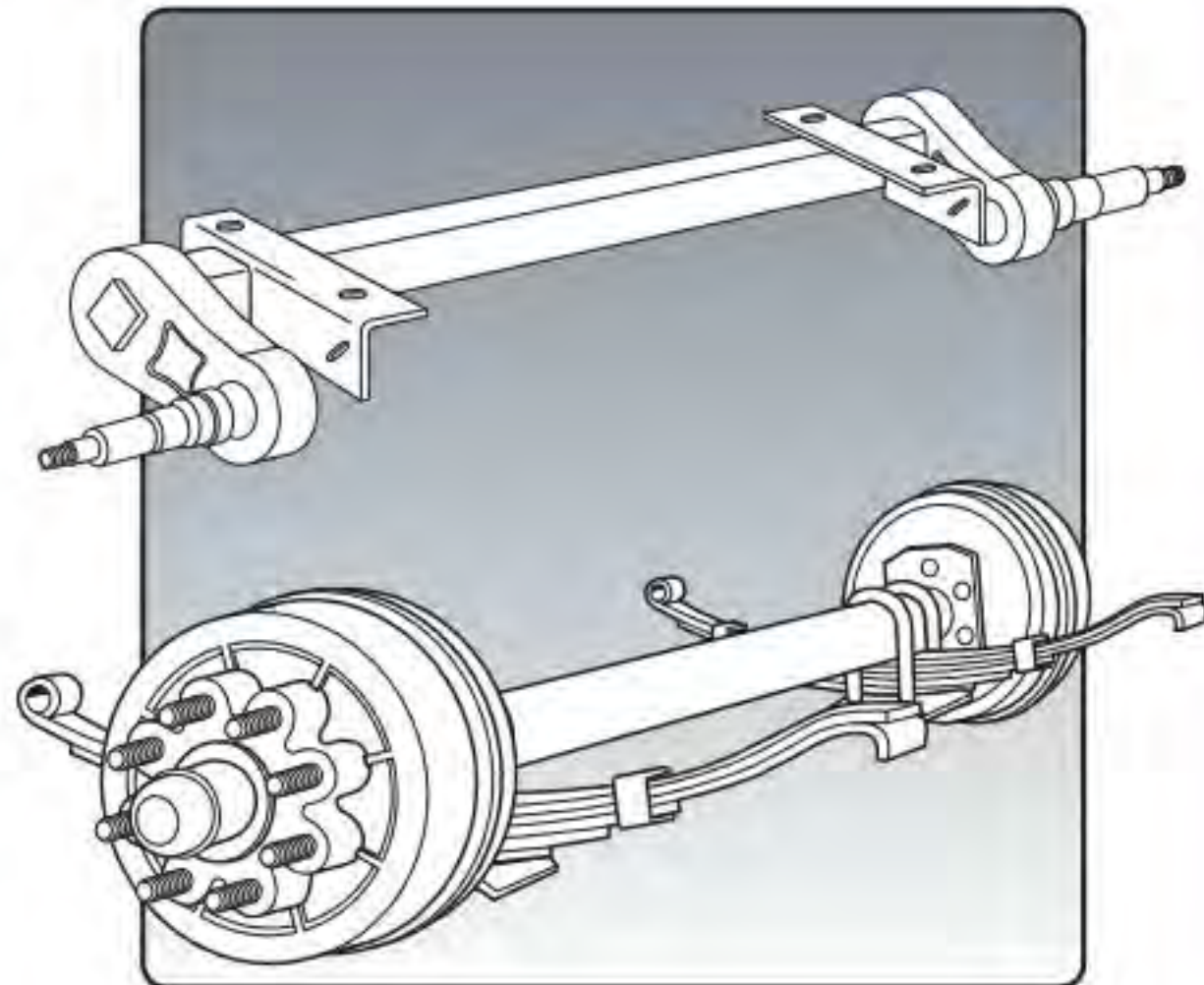
AXLES & COMPONENTS  
 SUSPENSIONS & COMPONENTS  
 BRAKES & COMPONENTS  
 TIRES & WHEELS  
 FENDERS & BODY  
 JACKS & COUPLERS  
 BRAKE CONTROL SYSTEMS  
 TOWING & ACCESSORIES  
 MARINE COMPONENTS  
 HARDWARE & ACCESSORIES  
 AGRICULTURAL COMPONENTS  
 PAINT & LUBRICANTS  
 LIGHTS & ELECTRICAL  
 PACKAGED PRODUCTS

## 8K AXLE ASSEMBLIES AND COMPONENTS



### 8,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
OB2233749	Oil seal, unitized, 2.25"	2
22333TBN	Grease seal, double lip, 2.25"	Opt.
25580	Inner bearing, 1.75" ID	3
25520	Inner race, 3.625" OD	4
4759-27	Wheel stud, .5625" - 18 x 3"	5
4738-28	Wheel stud, .625" - 18 x 3.25"	-
02420	Outer race, 2.688" OD	6
02475	Outer bearing, 1.25" ID	7
4753	Spindle washer, 1"	8
4754-12	Spindle nut, 1" - 14	9
4755	Cotter pin, .125" x 2"	10
8001	Oil cap, complete assembly	11
10-45	"O" ring	11A
RP-200	Oil cap plug	11B
1605-PL	Grease cap, Posi-Lube 2.717" OD	12
RP-100	Rubber plug, Posi-Lube cap	13
4756-1	Cone wheel nut, .5625" - 18 x 60°	14
4756-2	Cone wheel nut, .5625" - 18 x 90°	Opt.
X1048	Cone wheel nut, .625" - 18 x 90°	Opt.
568216	Swivel Flange Nut, .625" - 18	Opt.



### 8,000 LB. Hubs and Drums

COMPLETE HUB PART #	HUB, CUPPED & STUDED PART #	DESCRIPTION	BOLT PATTERN
80865	80865-1	Idler Hub	8 on 6.5" - .5625" - Studs
90865	90865-1	Brake Drum	8 on 6.5" - .5625" - Studs
9086L	9086L-1	Brake Drum	8 on 6.5" - .625" - Studs
90865-GP	90865-1GP	Brake Drum, Grease	8 on 6.5" - .5625" - Studs
9086L-G	9086L-1G	Brake Drum, Grease	8 on 6.5" - .625" - Studs

Note: Cupped & studded hubs include the hub, wheel studs and inner & outer race/cups. Complete hubs include the cupped and studded hub, inner & outer bearings, seal, lug nuts and dust cap/grease cap.



AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

PACKAGED PRODUCTS

## 8,000 LB. Brakes

PART #	DESCRIPTION
4739-L	Electric, 12" X 3.50", LH
4739-R	Electric, 12" X 3.50", RH
4719-L/R	Hydraulic, 12" X 3.25" Duo-Servo, Pair
2/HRCM-133-8A-9E	Hydraulic disc, 13", Integral Hub, E-Coat, Pair
2/HRCM1338A9DAC	Hydraulic disc, 13", Integral Hub, Dacromet, Pair



## 8,000 LB. Hanger Kits

PART #	DESCRIPTION	SPRING TYPE
4115-H	Single Axle	Slipper
4114-H	Tandem Axle	Slipper
4113-H	Triple Axle	Slipper
4118-H	Single Axle	Slipper
4118-H-33.5	Tandem	Slipper
4118-H-36	Tandem	Slipper
4118-H3-33.5	Triple	Slipper
4118-H3-36	Triple	Slipper

## AP (Attaching Parts) Kits For EQ Axles

PART #	TOP/SIDE MOUNT
8001-B	Top Mount
8001-S	Side Mount

Note: Side mount kits include nuts, bolts, washers, and mounting brackets. Top mount kits include nuts, bolts and washers only.

## 8,000 LB. U-Bolt Kits

PART #	DESCRIPTION	TUBE DIAMETER
4200	Round Beam	3.5"

## Common Leaf Springs For 8,000 LB. Axles

PART #	STYLE	LENGTH	CAPACITY (EA)	NO. OF LEAVES	WIDTH
1403T3	Slipper	26.125"	4,000 lbs.	6	2"
4361-40	Slipper	29"	4,000 lbs.	6	2"
4361-45	Slipper	30"	4,500 lbs.	6	2"

Note: For additional spring options see pages B-6 thru B-7.

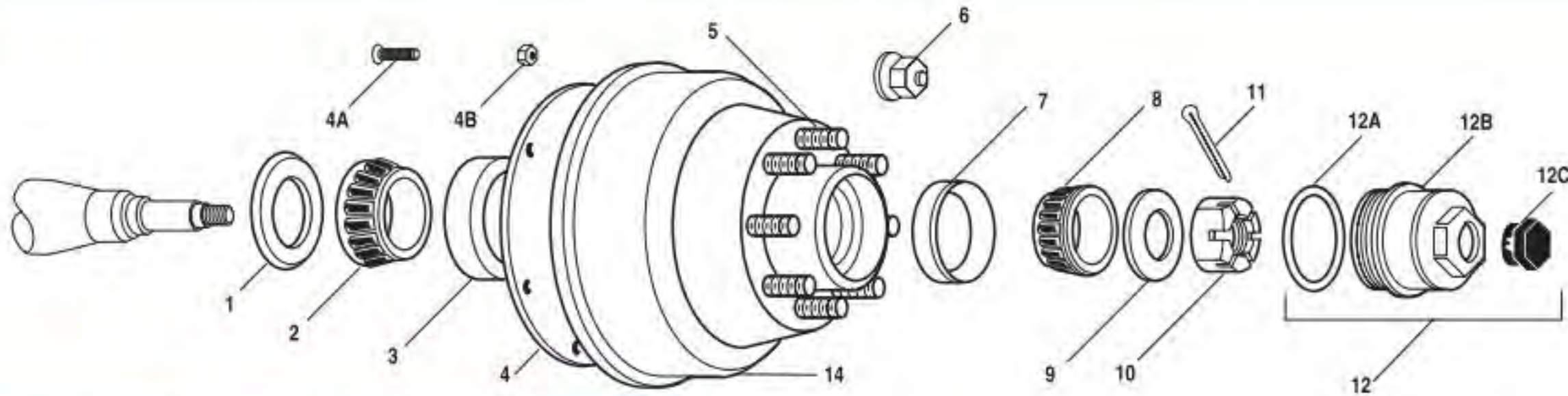
## 8,000 LB. Tubular and Torsion Axle Specifications and Options

SPECIFICATIONS/ OPTIONS	8K	8K EQ
<b>LUBRICATION</b>		
Oil Bath Lube	Std.	Std.
Posi-Lube	Std.	Std.
Bearing Protectors	Opt.	Opt.
<b>STUDS</b>		
.5625" Studs	Std.	Std.
.625" Studs	Opt.	Opt.
<b>BOLT CIRCLE PATTERNS</b>		
8 on 6.50"	Std.	Std.
<b>HUBS</b>		
Black Painted Hubs	Std.	Std.
<b>SEALS</b>		
Double Lip Seal Std.	Std.	Std.
Unitized Seal	Opt.	Opt.
<b>SPINDLES</b>		
#42 Spindle	Std.	Std.
<b>BRAKES</b>		
Electric Brake	Opt.	Opt.
Hydraulic Brake, Duo-Servo	Opt.	Opt.
Hydraulic Disc Brake, E-Coat or Dacromet	Opt.	Opt.
Hydraulic Disc, Stainless Rotors, Calipers & Mntg Brkts	Opt.	Opt.
Hydraulic Disc, Integral Hub, E-Coat or Dacromet	Opt.	Opt.
ABS Sensors (Disc Only)	Opt.	Opt.
Brake Flange On Idler Axle	Std.	Std.
Pre-Wired Axle Tubing	Opt.	Opt.
<b>AXLE MATERIALS</b>		
3.5" X .25" Round Tube	Std.	X
3.875" X .25" Round Corner Square Tube	X	Std.
Cambered Axle Tubing	Opt.	Std.
Galvanized Axle Beam	Opt.	Opt.
<b>EQ ATTACHING BRACKETS</b>		
High Mount Brackets +.5"	X	Opt.

Std. = Standard Opt. = Option X = Not Available

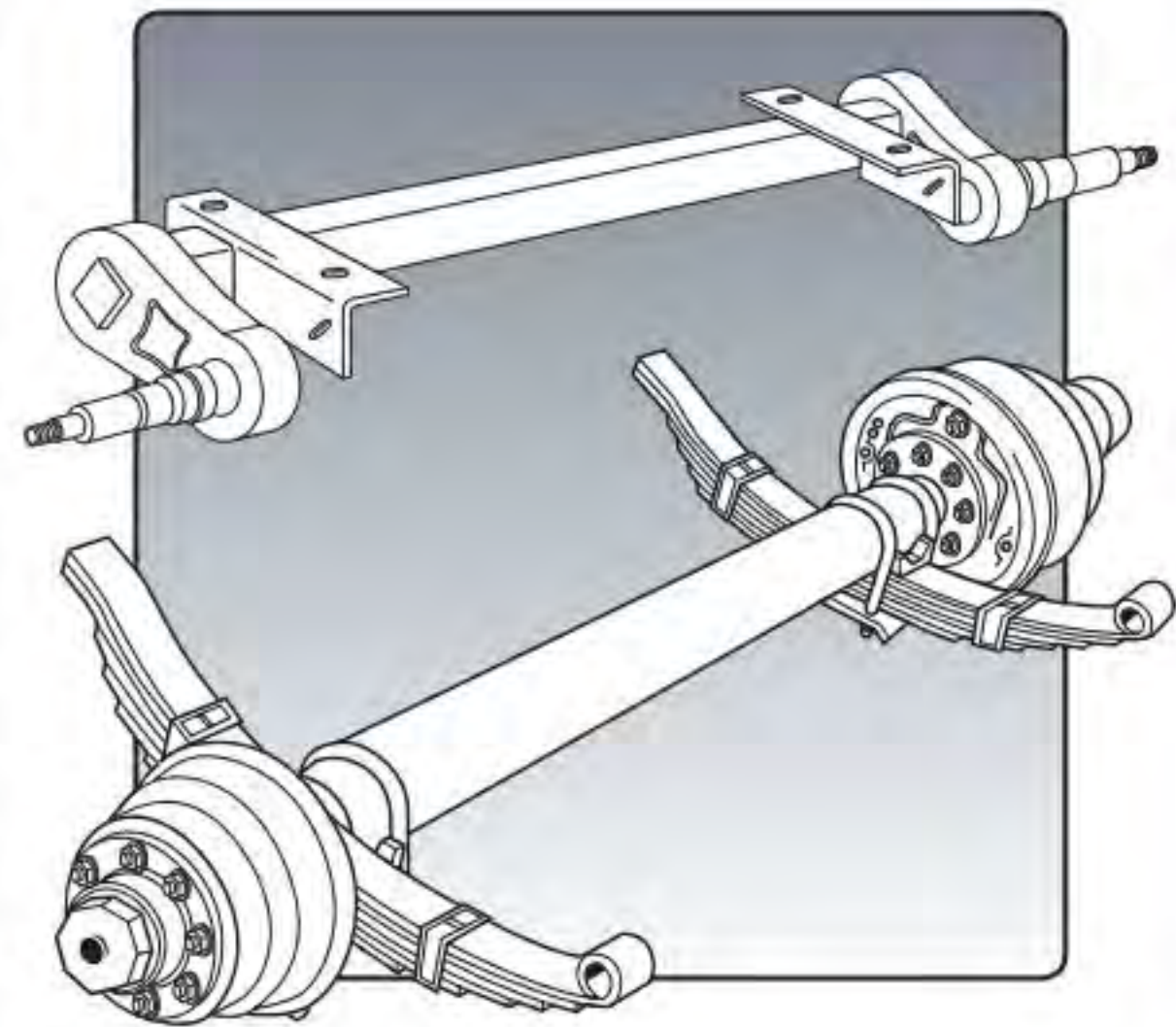


## 10K LB. AXLE ASSEMBLIES AND COMPONENTS



### 10,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
RP-200	Oil Cap Plug	12C
12011	Oil Cap	12B
1201G	Grease Cap	12B
V75340	O-Ring	12A
12011-1	Oil Cap, Complete Assembly	12
CP-3	Cotter Pin	11
4797	Spindle Nut	10
4798	Spindle Washer	9
25580	Outer Bearing	8
25520	Outer Race	7
99865-1P475AB	Drum, 4.75" Pilot (w/ Armature Plate)	14
99865-1PAB	Drum, 4.88" Pilot (w/ Armature Plate)	14
568216	Swivel Flange Nut, .625 -18	6
4738-28	Stud, .625 -18	5
28521	Inner Race	3
28580	Inner Bearing	2
CR27438	Oil Seal	1
14LN	Armature Plate Nut	4B
10KARM	Armature Plate	4
FL14201	Armature Plate Screw	4A
4738-L	Electric Brake, 12.25" X 3.5" L	-
4738-R	Electric Brake, 12.25" X 3.5" R	-
12LN	Brake Attaching Nut	-
SP-5	Spring Pad	-
SP-5-ADJ	Adjustable Spring Pad (Optional)	-



#### Notes:

1. Swivel Flange Lug Nuts to be torqued to 130-170 FT. LBS.
2. Spindle nuts torqued to 100 FT. LBS. then backed off 1/4 turn.
3. U-Bolts nuts to be torqued to 130-170 FT. LBS.
4. Brake attaching bolts to be torqued to 70-100 FT. LBS.
5. Oil / Grease cap to be torqued to 20-30 FT. LBS.

#### FRACTION TO DECIMAL CONVERSION CHART

FRACTION	1/16	1/8	9/64	5/32	3/16	11/64	13/64	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
DECIMAL	.0625	.1250	.140625	.15625	.1875	.171875	.203125	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.6875	.7500	.8125	.8750	.9375

AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

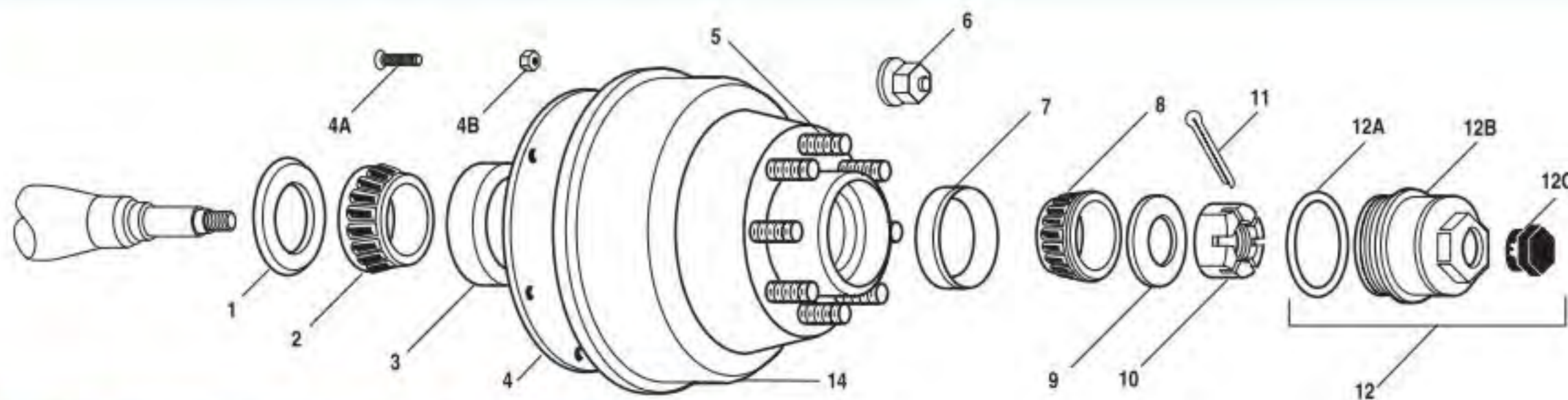
AGRICULTURAL COMPONENTS

PAIN & LUBRICANTS

LIGHTS & ELECTRICAL

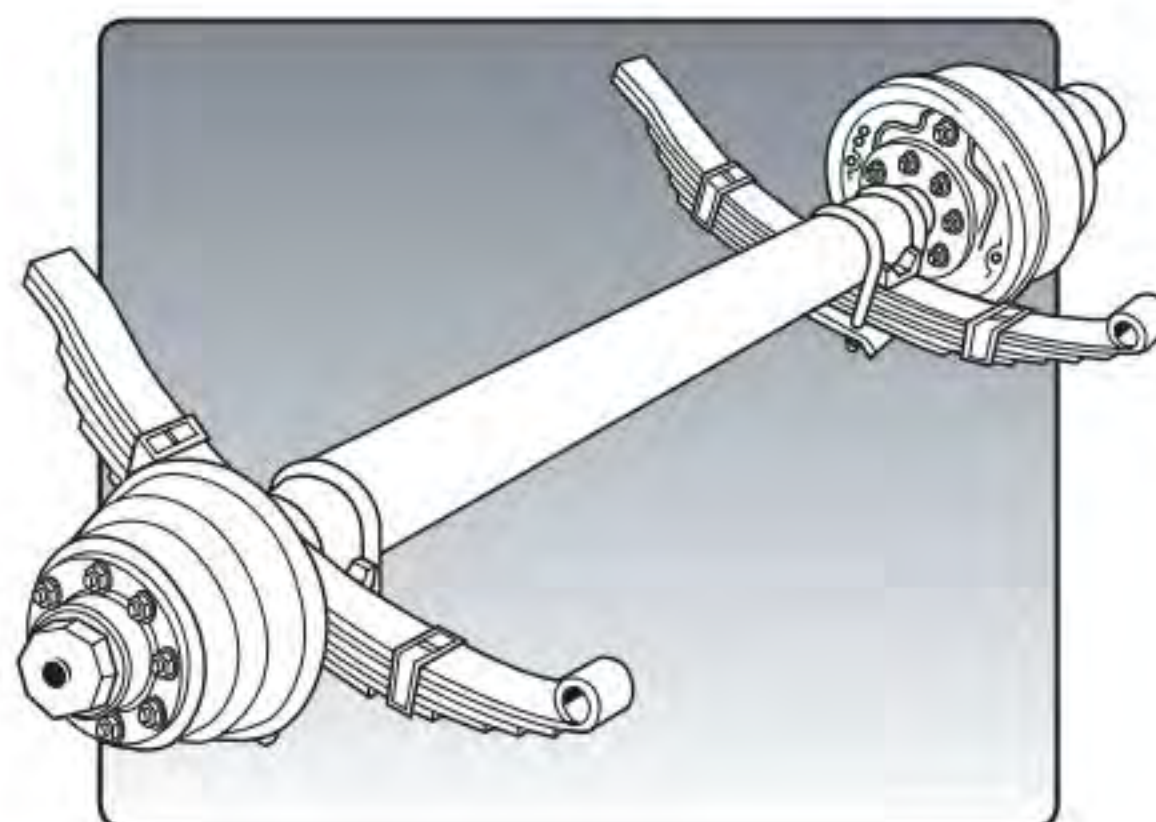
PACKAGED PRODUCTS

## 10K LB. HD AXLE ASSEMBLIES AND COMPONENTS



10,000 LB. HD Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
RP-200	Oil Cap Plug	12C
12011	Oil Cap	12B
1201G	Grease Cap	12B
V75340	O-Ring	12A
12011-1	Oil Cap, Complete Assembly	12
CP-3	Cotter Pin	11
4797	Spindle Nut	10
4798	Spindle Washer	9
JM205149	Outer Bearing	8
JM205110	Outer Race	7
120865-1P475A	Drum, 4.75" Pilot (w/ Armature Plate)	14
120865-1PA	Drum, 4.88" Pilot (w/ Armature Plate)	14
568216	Swivel Flange Nut, .625 -18	6
363910	Stud, .625 -18	5
JM511910	Inner Race	3
JM511946	Inner Bearing	2
CR31281	Oil Seal	1
14LN	Armature Plate Nut	4B
10karm120	Armature Plate	4
FL14201	Armature Plate Screw	4A
4738-L	Electric Brake, 12.25" X 3.5" L	-
4738-R	Electric Brake, 12.25" X 3.5" R	-
12LN	Brake Attaching Nut	-
SP-5	Spring Pad	-
SP-5-ADJ	Adjustable Spring Pad (Optional)	-



**Notes:**

1. Swivel Flange Lug Nuts to be torqued to 130-170 FT. LBS.
2. Spindle nuts torqued to 100 FT. LBS. then backed off 1/4 turn.
3. U-Bolts nuts to be torqued to 130-170 FT. LBS.
4. Brake attaching bolts to be torqued to 70-100 FT. LBS.
5. Oil / Grease cap to be torqued to 20-30 FT. LBS.

AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRAKES & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

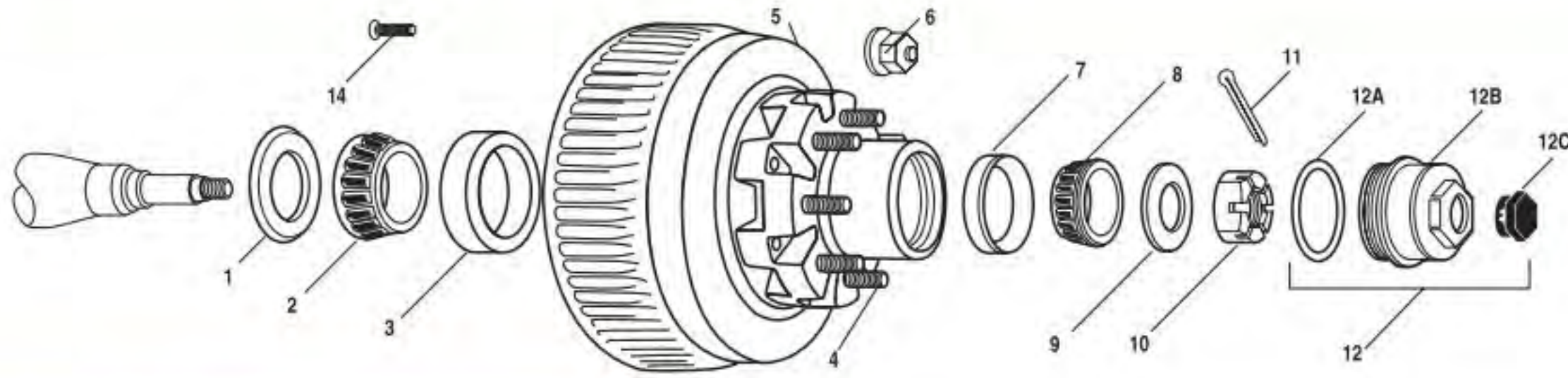
AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

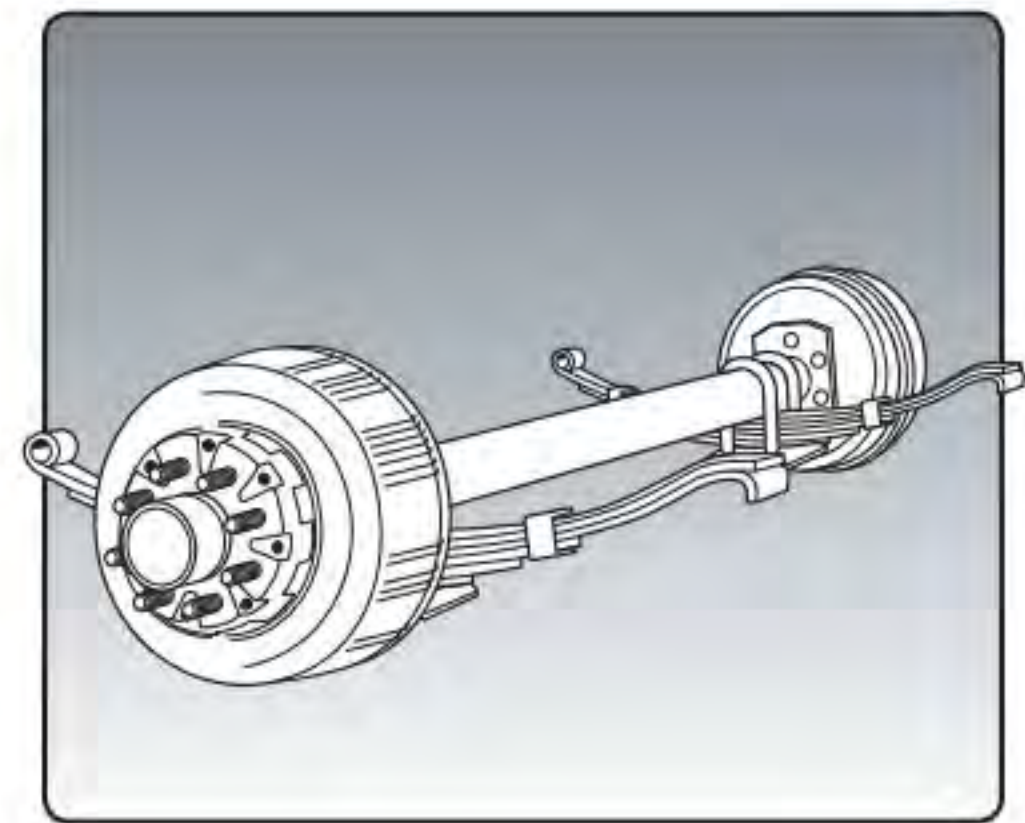
PACKAGED PRODUCTS

## 12,000 LB. AXLE ASSEMBLIES AND COMPONENTS



### 12,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
RP-200	Oil Cap Plug	12C
12011	Oil Cap	12B
1201G	Grease Cap	12B
V75340	O-Ring	12A
12011-1	Oil Cap, Complete Assembly	12
CP-3	Cotter Pin	11
47127	Spindle Nut	10
47128	Spindle Washer	9
JM205149	Outer Bearing	8
JM205110	Outer Race	7
568216	Swivel Flange Nut, .625"-18	6
4738-28	Stud	4
39520	Inner Race	3
39590	Inner Bearing	2
CR31281	Oil Seal	1
1215BOLT	Hub Attaching Bolt	14
912865-1475	Drum, 4.75" Pilot	5
912865-1	Drum, 4.88" Pilot	5
4741-L	Electric Brake, 12.25" x 5.0" L 12K-16K	-
4741-R	Electric Brake, 12.25" x 5.0" R 12K-16K	-
12LN	Brake Attaching Nut	-
SP-5	Spring Pad	-
SP-5-ADJ	Adjustable Spring Pad	-



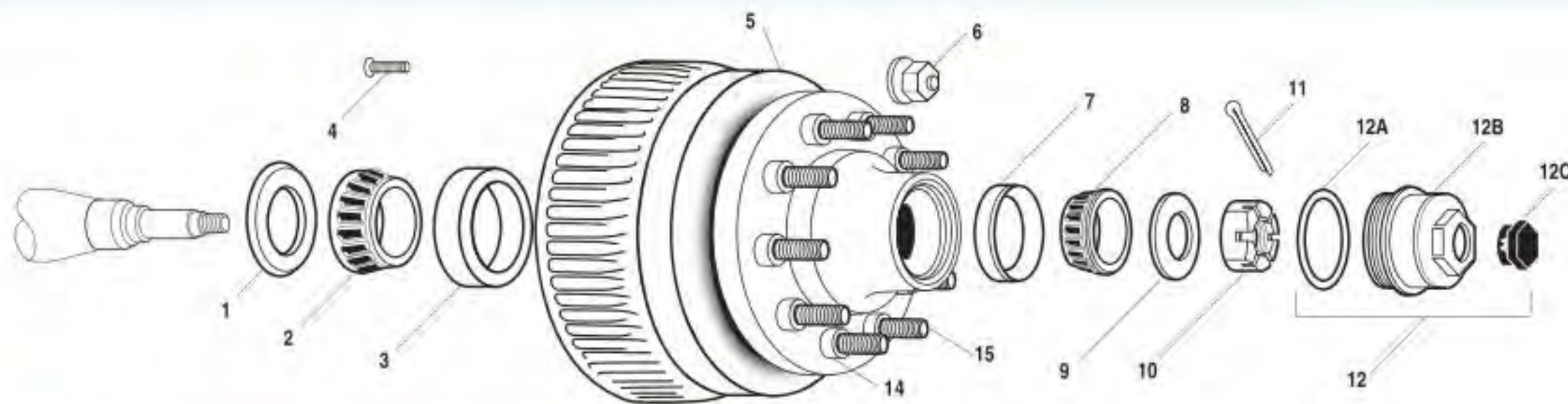
912865-1475



#### Notes:

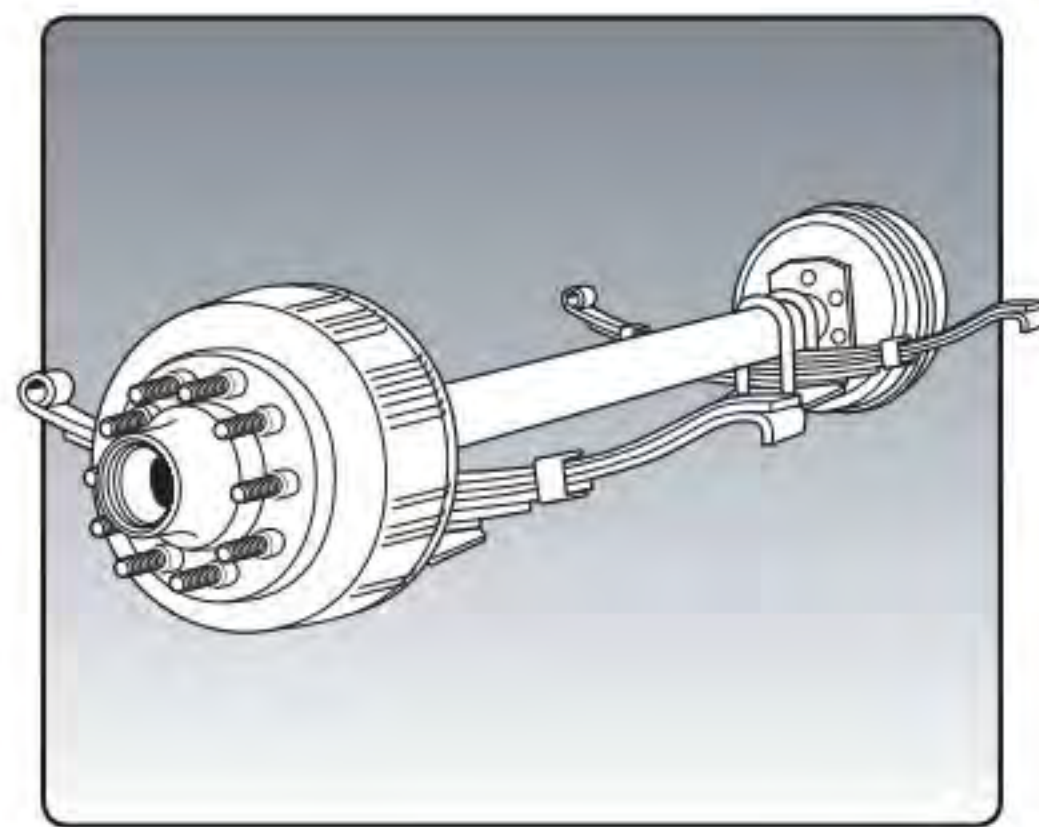
1. Swivel Flange Lug Nuts to be torqued to 130-170 FT. LBS.
2. Spindle nuts torqued to 100 FT. LBS. then backed off 1/4 turn.
3. U-Bolts nuts to be torqued to 130-170 FT. LBS.
4. Brake attaching bolts to be torqued to 70-100 FT. LBS.
5. Oil / Grease cap to be torqued to 20-30 FT. LBS.

## 16,000 LB. AXLE ASSEMBLIES AND COMPONENTS



### 16,000 LB. Axle Component Parts

PART #	DESCRIPTION	DIAGRAM #
RP-200	Oil Cap Plug	12C
12011	Oil Cap	12B
V75340	O-Ring	12A
12011-1	Oil Cap, Complete Assembly	12
CP-3	Cotter Pin	11
47127	Spindle Nut	10
47128	Spindle Washer	9
JM205149	Outer Bearing	8
JM205110	Outer Race	7
39520	Inner Race	3
39590	Inner Bearing	2
CR31281	Oil Seal	1
1215BOLT	Hub Attaching Bolt	4
4741-L	Electric Brake, 12.25" x 5.0" LH 12K -16K	-
4741-R	Electric Brake, 12.25" x 5.0" RH 12K -16K	-
12LN	Brake Attaching Nut	-
SP-5	Spring Pad	-
SP-5-ADJ	Adjustable Spring Pad	-
<b>DRUMS</b>		
916108-1	Brake Drum, 10 on 8.75" Bolt Pattern	5
WN7516PTFEC	Swivel Flange Nut, .75 -16	6
4741-10	Stud Ring	14
4741-34	Stud	15
916810-1	Brake Drum, 8 on 275mm Bolt Pattern	-
WN33	Swivel Flange Nut, m22-1.5 x 31	-
4741-30	Stud	-



**Notes:**

- 6. Swivel Flange Lug Nuts to be torqued to 450-500 FT. LBS.
- 7. Spindle nuts torqued to 100 FT. LBS. then backed off 1/4 turn.
- 8. U-Bolts nuts to be torqued to 130-170 FT. LBS.
- 9. Brake attaching bolts to be torqued to 70-100 FT. LBS.
- 10. Oil / Grease cap to be torqued to 20-30 FT. LBS.

**FRACTION TO DECIMAL CONVERSION CHART**

<b>FRACTION</b>	1/16	1/8	9/64	5/32	3/16	11/64	13/64	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
<b>DECIMAL</b>	.0625	.1250	.140625	.15625	.1875	.171875	.203125	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.6875	.7500	.8125	.8750	.9375

## 10,000 - 12,000 - 16,000 LB. Hub and Drums

COMPLETE HUB PART #	HUB, CUPPED & STUDED PART #	DESCRIPTION	BOLT PATTERN
99865-OBE	99865-1PA	10K - 4.88" Pilot	8 on 6.50"
99865-OBE475	99865-1P475A	10K - 4.75" Pilot	8 on 6.50"
912865-OBE	912865-1	12K - 4.88" Pilot	8 on 6.50"
912865-OBE475	912865-1475	12K - 4.75" Pilot	8 on 6.50"
916810-OBE	916810-1	16K	8 on 275mm
916108-OBE	916108-1	16K	10 on 8.75"

Note: Cupped & studded hubs include the hub, wheel studs and inner & outer race/cups. Complete hubs include the cupped and studded hub, inner & outer bearings, seal, lug nuts and dust cap/grease cap.

## 10,000 - 12,000 - 16,000 LB. Brakes

PART #	DESCRIPTION
4738-L	10K Electric, 12.25" x 3.50", LH
4738-R	10K Electric, 12.25" x 3.50", RH
4743-L/R	10K Hydraulic Drum L/R Hand
2/RCMHS-13-10-SC	10K Hydraulic Disc, 4.75" Pilot, Torsion Axle
2/RCMHS-11-10Q	10K Hydraulic Disc, 4.88" Pilot, Tubular Axle
2/RCMHS-11-10-YC	10K Hydraulic Disc, 4.75" Pilot, Tubular Axle
2/RCMS-13-12Q	12K Hydraulic Disc, 4.88" Pilot, Tubular Axle
2/RCMS-13-12QK	12K Hydraulic Disc, 4.75" Pilot, Tubular Axle
4741-L	12K-16K Electric, 12.25" x 5.00", LH
4741-R	12K-16K Electric, 12.25" x 5.00", RH

Note: See Brake Section For More Disc Brake Options.

## 10,000 - 12,000 - 16,000 LB. Hanger Kits

PART #	DESCRIPTION	SPRING TYPE
APS1025GD	10K-12K - Single	2.5" Slipper
APS1025HD	10K-16K - Single	2.5" Slipper
APS1025HH	10K - Single	2.5" Slipper
APS1030HH	10K-16K - Single	3" Slipper
APT1025GD4275	10K-12K - Tandem, 42.75" Axle Centerline	2.5" Slipper
APT1025HD4275	10K-16K - Tandem, 42.75" Axle Centerline	2.5" Slipper
APT1025GD4850	10K-12K - Tandem, 48.50" Axle Centerline	2.5" Slipper
APT1025HD4850	10K-16K - Tandem, 48.50" Axle Centerline	2.5" Slipper
APT1025HH4225	10K - Tandem, 42.25" Axle Centerline	2.5" Slipper
APT1025HH4850	10K - Tandem, 48.50" Axle Centerline	2.5" Slipper
APT1030HH4225	10K-16K - Tandem, 42.25" Axle Centerline	3" Slipper
APT1030HH4850	10K-16K - Tandem, 48.50" Axle Centerline	3" Slipper
APTT1025GD4275	10K-12K - Triple, 42.75" Axle Centerline	2.5" Slipper
APTT1025HD4275	10K-16K - Triple, 42.75" Axle Centerline	2.5" Slipper
APTT1025GD4850	10K-12K - Triple, 48.50" Axle Centerline	2.5" Slipper
APTT1025HD4850	10K-16K - Triple, 48.50" Axle Centerline	2.5" Slipper
APTT1025HH4225	10K - Triple, 42.25" Axle Centerline	2.5" Slipper
APTT1025HH4850	10K - Triple, 48.50" Axle Centerline	2.5" Slipper
APTT1030HH4225	10K-16K - Triple, 42.25" Axle Centerline	3" Slipper
APTT1030HH4850	10K-16K - Triple, 48.50" Axle Centerline	3" Slipper



916810-1



4738-L

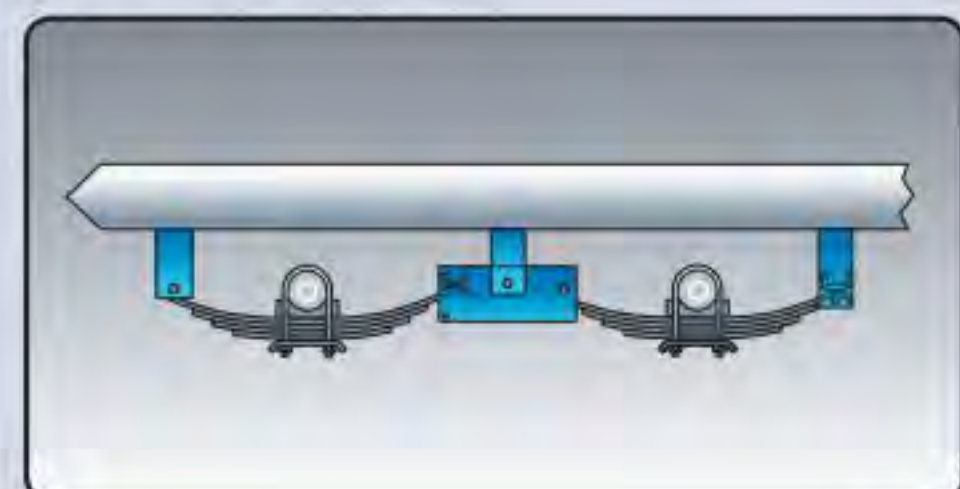


4741-L

### AP (Attaching Parts) Kits For 10,000 lb. EQ Axles

PART #	TOP/SIDE MOUNT
8001-S	High Side mount (8K and 10K)

Note: Side mount kits include nuts, bolts, washers, and mounting brackets. Top mount kits include nuts, bolts and washers only.



- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS

AXLES & COMPONENTS  
SUSPENSIONS & COMPONENTS  
BRAKES & COMPONENTS  
TIRES & WHEELS  
FENDERS & BODY  
JACKS & COUPLERS  
BRAKE CONTROL SYSTEMS  
TOWING & ACCESSORIES  
MARINE COMPONENTS  
HARDWARE & ACCESSORIES  
AGRICULTURAL COMPONENTS  
PAINT & LUBRICANTS  
LIGHTS & ELECTRICAL  
PACKAGED PRODUCTS

## Common Leaf Springs for 10,000 - 12,000 - 16,000 LB. Axles

PART #	STYLE	LENGTH	CAPACITY (EA)	NO. OF LEAVES	WIDTH
4351-50	Slipper	30.69"	5,000 Lbs.	5	2.5"
4351-50-3	Slipper	30.5"	5,000 Lbs.	5	3"
4361-60-3	Slipper	30.5"	6,000 Lbs.	6	3"
4371-75-3	Slipper	30.5"	7,500 Lbs.	7	3"
*4311-50-3	Slipper	30.69"	5,000 Lbs.	1	3"
*4321-80-3	Slipper	30.69"	8,000 Lbs.	2	3"
43101-56	Slipper	32.25"	5,000 Lbs.	5	2.5"
4361-60	Slipper	32.25"	6,000 Lbs.	6	2.5"
093182-14	Slipper	32.50"	8,000 Lbs.	6	2.5"

\* Parabolic Spring

Note: For additional spring options see page B-7.

## 10,000 - 12,000 - 16,000 LB. U-Bolt Kits

PART #	DESCRIPTION	TUBE DIA.
APUBR50	10K- Rnd beam 9"x.625-11	5"
APUBR50-12K-16K	12K-16K- Rnd beam 10"x.75"-10	5"
012-053-00P	10K Rnd 3.00"x.625", Blk	5"
012-053-01P	12-16K Rnd 3.00"x.750", Blk	5"



## 10,000 - 12,000 - 16,000 LB. Tubular and Torsion Axle Specifications and Options

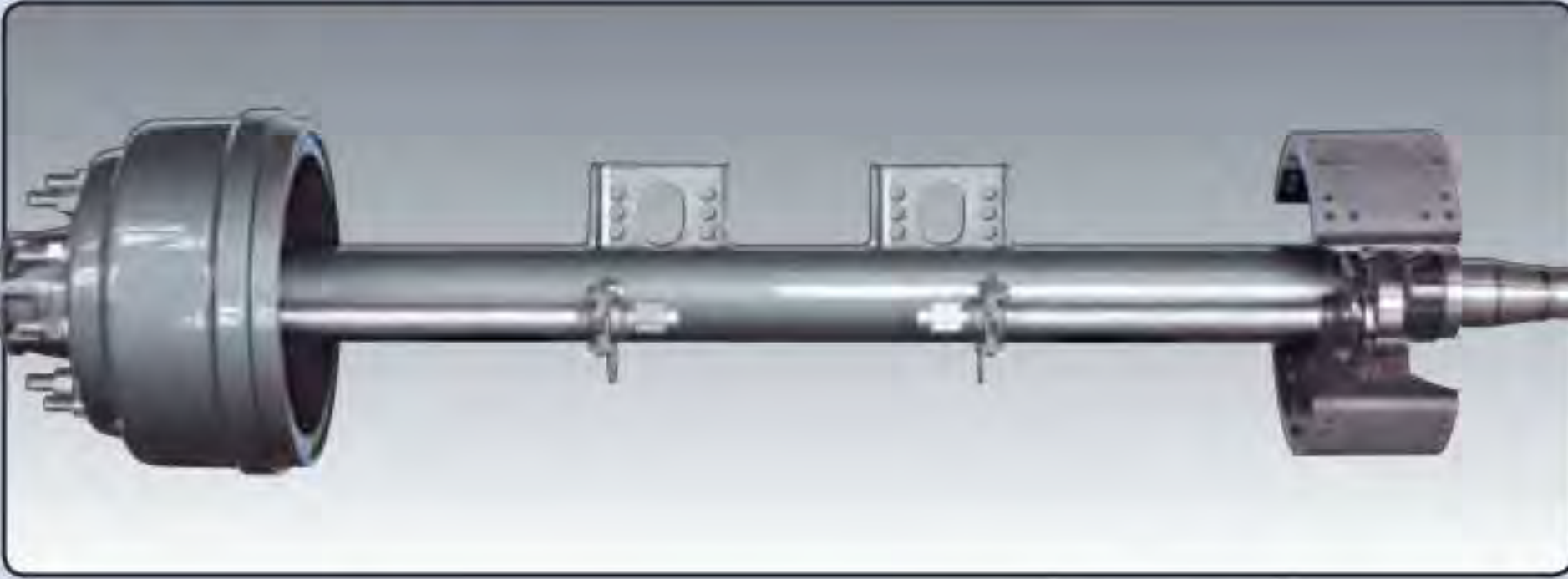
SPECIFICATIONS / OPTIONS	TUBE AXLES				EQ AXLES
	10K	10K HD	12K	16K	10K
<b>LUBRICATION</b>					
Oil Bath Lube	Std.	Std.	Std.	Std.	Std.
Grease Lube	Opt.	Opt.	X	X	Opt.
<b>STUDS</b>					
.625" Black studs	Std.	Std.	Std.	X	Std.
.75" Black studs	X	X	X	Opt.	X
.975" XM22X1.5" Black studs	X	X	X	Opt.	X
<b>BOLT CIRCLE PATTERNS</b>					
8 on 6.50"	Std.	Std.	Std.	X	Std.
10 on 8.75"	X	X	X	Opt.	X
8 on 275mm	X	X	X	Opt.	X
<b>HUBS</b>					
4.88" Pilot - Blue	Opt.	X	X	X	Opt.
4.75" Pilot - Grey	Opt.	X	X	X	Opt.
4.88" Pilot - Green	X	X	Opt.	X	X
4.75" Pilot - Grey	X	X	Opt.	X	X
4.75" Pilot - Grey	X	Opt.	X	X	X
4.88" Pilot - Red	X	Opt.	X	X	X
8.75" Pilot - Green	X	X	X	Opt.	X
275 mm Pilot - Green	X	X	X	Opt.	X
<b>SEALS</b>					
Unitized Seal	Std.	Std.	Std.	Std.	Std.
Grease Seal	Opt.	Opt.	X	X	Opt.
<b>BRAKES</b>					
Electric Brake, Self Adjusting	Opt.	Opt.	Opt.	Opt.	Opt.
Hydraulic Drum Brake, Duo-Servo	Opt.	Opt.	X	X	Opt.
Hydraulic Disc Brake, E-Coat	Opt.	Opt.	Opt.	X	X
Hydraulic Disc Brake, Dacromet Coat	Opt.	Opt.	X	X	Opt.
ABS Sensors (Disc Only)	Opt.	Opt.	Opt.	X	Opt.
<b>AXLE MATERIALS</b>					
5" Round tube	Std.	Std.	Std.	Std.	X
3.875" Round Corner Square Tube	X	X	X	X	Std.
<b>EQ ATTACHING BRACKETS</b>					
High Mount Brackets +.5"	X	X	X	X	Std.



FRACTION	DECIMAL	FRACTION	DECIMAL
1/16	.0625	7/16	.4375
1/8	.1250	1/2	.5000
9/64	.140625	9/16	.5625
5/32	.15625	5/8	.6250
3/16	.1875	11/16	.6875
11/64	.171875	3/4	.7500
13/64	.203125	13/16	.8125
1/4	.2500	7/8	.8750
5/16	.3125	15/16	.9375
3/8	.3750		

Std. = Standard  
Opt. = Option  
X = Not Available

## 22.5K & 25K AXLES



### 22,500 LB. and 25,000 LB. Axle Assemblies – Specifications and Options

SPECIFICATIONS/ OPTIONS	22.5K	25K
<b>LUBRICATION</b>		
Oil Bath Lube	Std.	Std.
Grease Lube (Unitized Hubs Only)	Opt.	Opt.
<b>STUDS</b>		
.75" Studs	Std.	Std.
22mm Studs	Std.	Std.
Inner & Outer Dual Nuts For Steel Inner & Outer Wheels	Opt.	Opt.
Inner & Outer Dual Nuts For Aluminum Inner & Outer Wheels	Opt.	Opt.
Inner & Outer Dual Nuts For Steel Inner & Aluminum Outer Wheels	Opt.	Opt.
Dual Nuts For Super Single Aluminum Wheels	Opt.	Opt.
Rim Clamps & Wheel Nuts For Cast Spoke Wheels	Opt.	Opt.
<b>BOLT CIRCLES</b>		
8 Bolt On 275 mm	Opt.	Opt.
10 Bolt On 8.75"	Opt.	Opt.
10 Bolt 11.25" On 285.75 mm	Opt.	Opt.
3 Spoke Cast Wheel (Inboard Mount Drum Only) On 12.5"	Opt.	Opt.
5 Spoke Cast Wheel (Inboard Mount Drum Only)	Opt.	Opt.
<b>HUBS AND DRUMS</b>		
Ductile Steel Hubs	Opt.	Opt.
Aluminum Hubs	Opt.	Opt.
Unitized/Sealed Ductile Hubs (10 On 11.25" Circle Only)	Opt.	Opt.
Inboard Mount Cast Drums	Opt.	Opt.
Outboard Mount Cast Drums	Opt.	Opt.
Inboard Mount Centrifuse Drums	Opt.	Opt.
Outboard Mount Centrifuse Drums	Opt.	Opt.
<b>SEALS</b>		
Unitized	Std.	Std.
Specialty	Opt.	Opt.
<b>BRAKES</b>		
12.25" X 7.5" Quick Change Air Brakes (8 Bolt Or 10 On 8 Only)	Opt.	Opt.
16.5" X 7" Quick Change Air Brakes	Opt.	Opt.
15" X 6" Disc Air Brakes	Opt.	Opt.
Type 30/30 Spring Brakes	Std.	Std.
Type 30 Service Chambers	Opt.	Opt.
28 Spline Cam	Std.	Std.



Std. = Standard  
 Opt. = Option  
 X = Not Available

(Specifications and Options Continued On Next Page)

## 22.5K & 25K AXLES (Continued)

22,500 LB. and 25,000 LB. Axle Assemblies – Specifications and Options

SPECIFICATIONS/ OPTIONS	22.5K	25K
Automatic Slack Adjusters	Std.	Std.
Manual Slack Adjusters	Opt.	Opt.
Straight Slack Adjusters	Std.	Std.
Curved Slack Adjusters	Opt.	Opt.
Dust Shield	Opt.	Opt.
ABS Sensor	Opt.	Opt.
Block And Tone Rings	Std.	Std.
<b>SPINDLES</b>		
Integral Tapered Spindles	Std.	Std.
Integral Parallel Spindles	Opt.	Opt.
<b>AXLE MATERIALS</b>		
5" x .5" Round Tube	Std.	X
5" x .625" Round Tube	Opt.	Std.
5" x .75" Round Tube	Opt.	Opt.

FRACTION	DECIMAL	FRACTION	DECIMAL
1/16	.0625	7/16	.4375
1/8	.1250	1/2	.5000
9/64	.140625	9/16	.5625
5/32	.15625	5/8	.6250
3/16	.1875	11/16	.6875
11/64	.171875	3/4	.7500
13/64	.203125	13/16	.8125
1/4	.2500	7/8	.8750
5/16	.3125	15/16	.9375
3/8	.3750		

Std. = Standard  
Opt. = Option  
X = Not Available

## BEARINGS AND RACES

BEARING PART #	RACE PART #	APPLICATION			BEARING I.D.	RACE O.D.
		SPINDLE	INNER	OUTER		
LM-11949	LM-11910	BT	X	X	.75"	1.781"
L-44643	L-44610	BT8	X	X	1"	1.98"
L-44649	L-44610	BT8/BT16/#84 Outer	X	X	1.063"	1.98"
LM-67048	LM-67010	#42		X	1.25"	2.328"
15123	15245	#42		X	1.25"	2.441"
14125A	14276	#42		X	1.25"	2.717"
02475	02420	#42		X	1.25"	2.688"
L-68149	L-68111	#84	X		1.378"	2.362"
25580	25520	#42	X		1.75"	3.265"
25580-T	25520-T	#99		X	1.75"	2.875"
JM205149	JM205110	#120/#160		X	1.9685"	3.5433"
28580-T	28521-T	#99	X		2"	3.265"
JM511946	JM511910	#120	X		2.5591"	4.3307"
39590	39520	#160	X		2.625"	4.4375"
HM218248	HM218210	#22K-30	X		3.5423"	5.7864"
HM212049	HM212011	#22K-30		X	2.625"	4.8125"



## UNIVERSAL BEARING PACKER

PART #
65250

Simply place the bearing between the plastic cones, tighten, and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease. Cone diameter is 4.5".

**GREASE on page A-34**





## SEALS

PART #	TYPE	SPINDLE	I.D.	O.D.	VENDER CROSS-REFERENCE		
					CHICAGO RAWHIDE	NATIONAL	NOK
12192TB	Double Lip	BT8	1.250"	1.983"	n/a	470706	AD1836E0
15192TB	Double Lip	BT16	1.50"	1.987"	CR14821	n/a	AD2267E0
168255TB	Double Lip	#84 (UFP)	1.687"	2.565"	n/a	n/a	n/a
171255TB	Double Lip	#84	1.719"	2.565"	CR17144	473336	AD2548E0
10-41	Nylon	MH	1.938"	2.523"	n/a	n/a	n/a
10-10	Double Lip	D42	2.125"	3.375"	CR21352	470972	AD8717E0
22333TBN	Double Lip	#42	2.250"	3.376"	CR22558	472920	AD3135E0
370219A	Unitized	#42	2.250"	3.376"	n/a	320219EG	n/a
23364SA	Double Lip	#99	2.375"	3.630"	CR23839	455380	AA3267F0
CR27438	Unitized	#99	2.750"	3.784"	CR27438	n/a	n/a
10-51	Unitized	D10GD	2.875"	3.880"	n/a	370150BG	n/a
568217	Unitized	#120	3.125"	4.50"	CR31281	370014BG	n/a
10-56	Unitized	D10	3.125"	4.506"	n/a	370014	n/a
CR31281	Unitized	12K/16K	3.125"	4.500"	n/a	n/a	n/a
171255DLR	Coated Double Lip	#84	1.719"	2.565"			
22333TC	Coated Double Lip	#42	2.25"	3.376"			

Single Lip Seal



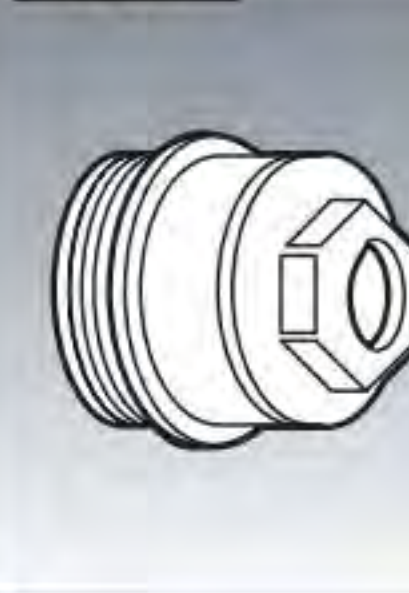
Double Lip Seal



N70238



12011



RP200



## OIL CAP ASSEMBLIES AND COMPONENTS

PART #	APPLICATION	DESCRIPTION	SIZE
8001	6K - 8K RA	Oil Cap Complete	2.875" - 8
22-03	6K - 9K (Pre '90) Dexter	Oil Cap Complete	2.875" - 12
22-06	6K - 7K Dexter UTG	Oil Cap Complete	2.563"
D10C	9K - 10K GD RA (Pre '96)	Oil Cap Complete	3.5" - 14
12011-1	9K - 16K RA (Post '96)	Oil Cap Complete	3.75" - 8
22-07	9K (Post '90) - 15K Dexter	Oil Cap Complete	4"
801	6K - 8K RA (Pre '97)	Oil Cap Only	2.875" - 8
21-35	6K - 8K RA (Post '97) 6K - 9K (Pre '90) Dexter	Oil Cap Only	2.875" - 12
21-40	6K - 7K Dexter UTG	Oil Cap Only	2.563"
D10C1	9K - 10K GD RA (Pre '96)	Oil Cap Only	3.5" - 14
12011	9K - 16K RA (Post '96)	Oil Cap Only	3.75" - 8
21-36	9K (Post '90) - 15K Dexter	Oil Cap Only	4"
10-45	6K - 8K RA	Oil Cap O-Ring	2.875"
10-59	6K - 7K Dexter UTG	Oil Cap O-Ring	2.563"
V75340	9K - 16K RA	Oil Cap O-Ring	3.75"
10-50	9K (Post '90) - 15K Dexter	Oil Cap O-Ring	4"
RP-200	6K - 15K RA, Dexter	Oil Cap Plug	n/a
568223	6K - 12K	Oil Cap Plug	n/a
46-52	8K - 15K Dexter	Oil Cap Plug	n/a
343-4009	22K - 30K Stemco	Oil Hub Cap	6" x 5.5"
330-3009	22K - 30K Stemco	Hub Cap Gasket	6" x 5.5"

AXLES & COMPONENTS

SUSPENSIONS & COMPONENTS

BRACKETS & COMPONENTS

TIRES & WHEELS

FENDERS & BODY

JACKS & COUPLERS

BRAKE CONTROL SYSTEMS

TOWING & ACCESSORIES

MARINE COMPONENTS

HARDWARE & ACCESSORIES

AGRICULTURAL COMPONENTS

PAINT & LUBRICANTS

LIGHTS & ELECTRICAL

PACKAGED PRODUCTS

## BEARING PROTECTORS & BRA COVERS

PART #	DESCRIPTION	O.D.	FINISH	UNIT
BP178	Protector	1.78"	Chrome	Pair
17B	Bra Cover	1.78"	Gray	Pair
BP198	Protector	1.98"	Chrome	Pair
1980-SS	Protector	1.98"	Stainless Steel	Pair
BB198	Bra Cover	1.98"	Gray	Pair
2441-SS	Protector	2.441"	Stainless Steel	Pair
BP244	Protector	2.44"	Chrome	Pair
BB244	Bra Cover	2.44"	Gray	Pair
BP2717	Protector	2.717"	Chrome	Pair
BB2717	Bra Cover	2.717"	Black	Pair



## SPINDLE WASHERS

PART #	DESCRIPTION	SIZE
4753-3/4	Plain	0.75"
4753-D	"D"	0.875"
4753	Plain	1"
5-23	"D" (Dexter)	1"
4753-T	Tongue	1"
93001	"D" Folding Tang	1"
4798	Plain	1.50"
47128	Plain	1.75"



## GREASE CAPS

PART #	TYPE	SIZE
21-3	Galvanized	1.98"
21-3-PL	Posi-Lube, Galvanized	1.98"
21-3-PLZP	Posi-Lube, Zinc Plated	1.98"
21-1	Galvanized	2.44"
21-1-PL	Posi-Lube, Galvanized	2.44"
21-1-PLZP	Posi-Lube, Zinc Plated	2.44"
1605	Galvanized	2.717"
1605-PL	Posi-Lube, Galvanized	2.717"
RP-100	Posi-Lube Rubber Plug	n/a
1524	Plain, Ag	1.943"
1610	Plain, Ag	1.96"
1513-1	Plain, Ag	2.448"
1607	Plain, Ag	3.153"
R/A-1980	Alum Housing Poly Cap	1.980"
R/A-2440	Alum Housing Poly Cap	2.440"



## GREASE

We proudly offer you a wide selection of grease to fit most of your lubrication requirements. Normal temperature grease has a smooth texture and is mainly designed for low to medium speed bearing applications. High temperature grease is tacky in texture and is recommended for high speed bearings and braking applications. Marine grease is designed with boat trailer use in mind, will resist wash-out and is highly resistive to corrosion.

## WHEEL BEARING GREASE



PART #		DESCRIPTION
14 OZ TUBE	1 LB TUB	
JT-6-14OZ	JT-6-1LB	Multi-Purpose Water Resistant
JT-6-14OZHT	JT-6-1LBHT	High Speed Wheel Bearing
SL3120		Marine Wheel Bearing
SL3121		Marine Wheel Bearing



## GREASE GUN

PART #	DESCRIPTION
W54201	Lever Action 14 oz. Tube



## DIALECTRIC GREASE

PART #	DESCRIPTION
49635	Dialectric Grease 5 oz.



PART #		DESCRIPTION
14 OZ TUBE	1 LB TUB	
n/a	MP2-1LB	Wheel Bearing
SMP2-14OZ	SMP2-1LB	Marine Wheel Bearing



## SPINDLE NUTS

PART #	TYPE	SIZE
4754-3/4	Castlelated 6 slot	0.75" - 16
4754	Castlelated 6 slot	1" - 14
4754-12	Castlelated 12 slot	1" - 14
4797	Castlelated 6 slot	1.50" - 12
47127	Castlelated 6 slot	1.75"-12



## COTTER PINS

PART #	APPLICATION	DESCRIPTION
4755	2,000 - 8,000 lb. Axles	0.125" x 2"
CP-3	9,000 - 16,000 lb. Axles	.25" x 3"



## SPINDLE SEALS

A high quality neoprene seal and a stainless steel wear sleeve ensure that these seals have a prolonged life.

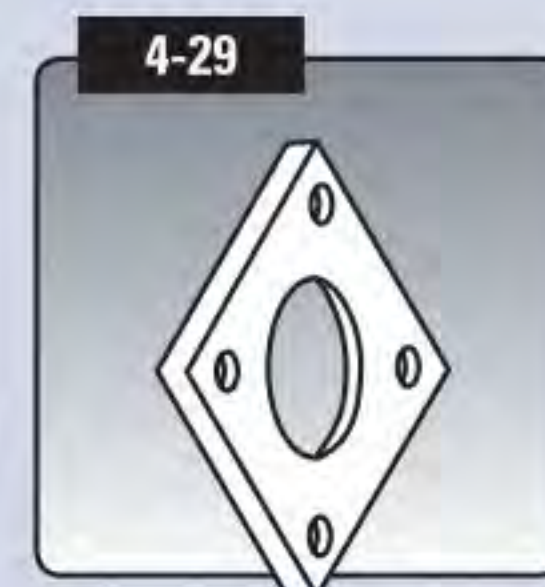
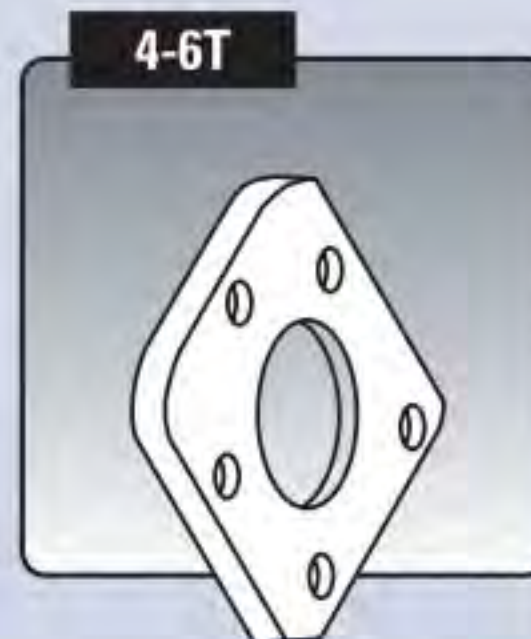
PART #	DESCRIPTION	O.D.
SS1	"Spindle Seal" Kit For BT8 Spindle	1.98"
SS5	"Spindle Seal" Kit For BT16 Spindle	1.98"
SS2	"Spindle Seal" Kit For #84 Spindle	2.56"

Each kit consist of 2 seals, 2 O-rings and 2 wear sleeves



## BRAKE FLANGES

PART #	BOLT PATTERN	SPINDLE	I.D.
4-29	4 on 4"	BT8 / BT16	1.512" RD
4-16	4 on 4"	#84	1.80" RD
4-12	4 on 4"	#84	2.275" RD
4-6T	5 on 3.875"	#42	2.75" RD
4-6A	5 on 3.875"	#42	2.12" SQ
4-6Q	5 on 3.875"	#42	2.312" RD
9045702-395	5 on 5.5"	#99	3.95" RD



## SPRING PADS

PART #	APPLICATION	SPRING WIDTH
SP-1.75	1.75" Round Tube	1.75"
SP-2.375	2.375" Round Tube	1.75" - 2"
SP-2X2	2" Square or 2" x 3" Rectangular Tube	1.75" - 2"
SP-3	3" Round Tube	1.75" - 2"
SP-350	3.5" Round Tube	1.75" - 2"
SP-5	5" Round Tube	2.5" - 3"
SP-5-ADJ	5" Round Tube, Adjustable	2.5" - 3"



FRACTION	1/16	1/8	9/64	5/32	3/16	11/64	13/64	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
DECIMAL	.0625	.1250	.140625	.15625	.1875	.171875	.203125	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.6875	.7500	.8125	.8750	.9375

AXLES & COMPONENTS  
SUSPENSIONS & COMPONENTS  
BRAKES & COMPONENTS  
TIRES & WHEELS  
FENDERS & BODY  
JACKS & COUPLERS  
BRAKE CONTROL SYSTEMS  
TOWING & ACCESSORIES  
MARINE COMPONENTS  
HARDWARE & ACCESSORIES  
AGRICULTURAL COMPONENTS  
PAINT & LUBRICANTS  
LIGHTS & ELECTRICAL  
PACKAGED PRODUCTS

## SPINDLES

Spindle assemblies include the spindle, castle nut, washer, and cotter pin. Most sizes are available with Posi-Lube and Brake Flanges as options. Other sizes are available, contact your local branch for more information.

### Round Spindles

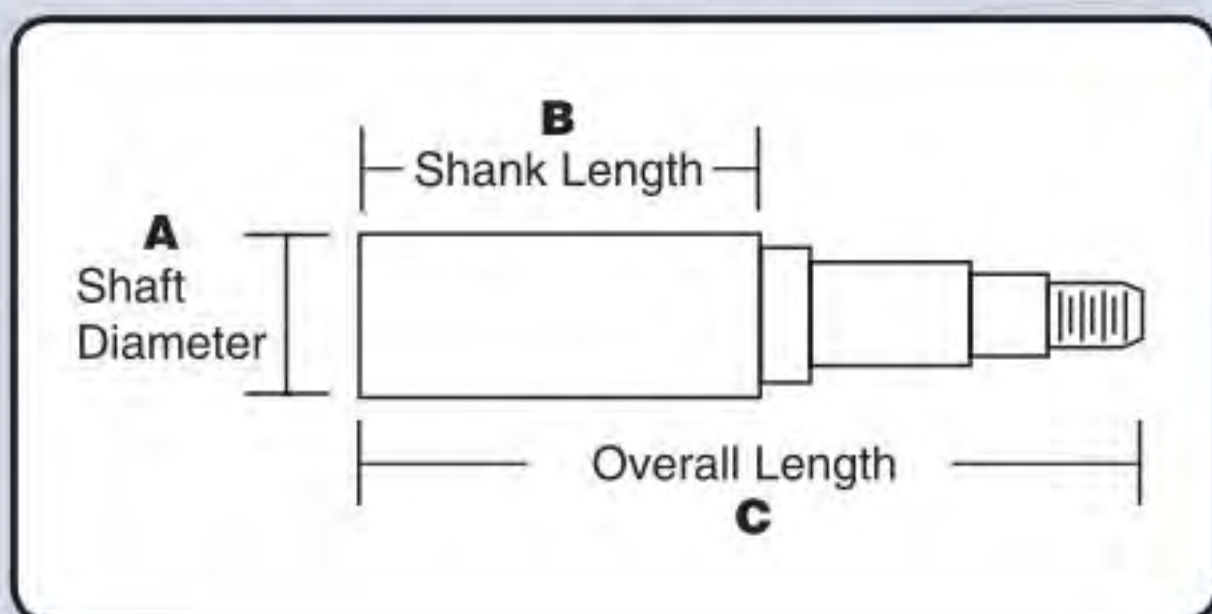
PART #	TYPE	CAP.	A	B	C	INNER BEARING	OUTER BEARING	SEAL AREA
R104BT8	BT8	1,000 lb.	1.25"	3.5"	8.25"	1"	1"	1.25"
R204BT8	BT8	1,000 lb.	1.5"	3.5"	8.25"	1"	1"	1.25"
R104BT16	BT16	1,100 lb.	1.25"	3.5"	8.25"	1.063"	1.063"	1.50"
*R104BT16-PL	BT16	1,100 lb.	1.25"	3.5"	8.25"	1.063"	1.063"	1.50"
R204BT16	BT16	1,100 lb.	1.5"	3.5"	8.25"	1.063"	1.063"	1.50"
*R204BT16-PL	BT16	1,100 lb.	1.5"	3.5"	8.25"	1.063"	1.063"	1.50"
R20484	#84	1,750 lb.	1.75"	3.5"	8.25"	1.375"	1.063"	1.72"
R20484-1.500	#84	1,750 lb.	1.5"	3.5"	8.25"	1.375"	1.063"	1.72"
R20484-1.625	#84	1,750 lb.	1.625"	3.5"	8.25"	1.375"	1.063"	1.72"
*R20484-PL	#84	1,750 lb.	1.75"	3.5"	8.25"	1.375"	1.063"	1.72"
R20484-F	#84	1,750 lb.	1.75"	3.5"	8.25"	1.375"	1.063"	1.72"
*R20484-FPL	#84	1,750 lb.	1.75"	3.5"	8.25"	1.375"	1.063"	1.72"
R20684	#84	1,750 lb.	1.75"	6"	10.75"	1.375"	1.063"	1.72"
R20684-F	#84	1,750 lb.	1.75"	6"	10.75"	1.375"	1.063"	1.72"
*R20684-PL	#84	1,750 lb.	1.75"	6"	10.75"	1.375"	1.063"	1.72"
R30484	#84	1,750 lb.	2"	3.5"	8.25"	1.375"	1.063"	1.72"
R30484-F	#84	1,750 lb.	2"	3.5"	8.25"	1.375"	1.063"	1.72"
R30684	#84	1,750 lb.	2"	6"	10.75"	1.375"	1.063"	1.72"
R30684-F	#84	1,750 lb.	2"	6"	10.75"	1.375"	1.063"	1.72"
R40642	#42	3,000 lb.	2"	6"	11"	1.75"	1.25"	2.25"
R50642	#42	3,000 lb.	2.25"	6"	11"	1.75"	1.25"	2.25"
R50642-F	#42	3,000 lb.	2.25"	6"	11"	1.75"	1.25"	2.25"
R50942	#42	3,000 lb.	2.25"	9"	14"	1.75"	1.25"	2.25"

\* Posi-Lube

### Round Corner Square Spindles

PART #	TYPE	CAP.	A	B	C	INNER BEARING	OUTER BEARING	SEAL AREA
SP204BT8	BT8	1,000 lb.	1.5"	3.375"	8.25"	1"	1"	1.25"
SP204BT16	BT16	1,100 lb.	1.5"	3.375"	8.25"	1.063"	1.063"	1.50"
SP20484	#84	1,750 lb.	1.5"	3.375"	8.25"	1.375"	1.063"	1.72"
SP35684	#84	1,750 lb.	1.75"	6"	10.8125"	1.375"	1.063"	1.72"
SP50642	#42	3,000 lb.	2"	6"	11"	1.750"	1.25"	2.25"

NOTE: Ag Spindles Listed In Ag Section!



FRACTION	DECIMAL	FRACTION	DECIMAL
1/16	.0625	7/16	.4375
1/8	.1250	1/2	.5000
9/64	.140625	9/16	.5625
5/32	.15625	5/8	.6250
3/16	.1875	11/16	.6875
11/64	.171875	3/4	.7500
13/64	.203125	13/16	.8125
1/4	.2500	7/8	.8750
5/16	.3125	15/16	.9375
3/8	.3750		



## END UNITS

End units are used extensively in the marine industry. They are available in numerous configurations – straight or drop with electric, hydraulic or hydraulic disc brakes. All end units are assembled, lubed and ready for mounting on your axle tube. (See Marine Use Units on page I-22.)

PART #	CAPACITY (EA)	SPINDLE	BOLT CIRCLE	BRAKE	LUBE
R104BT16-440	1,000 lbs.	R104BT16	440	N/A	Plain
R104BT16-440PL	1,000 lbs.	R104BT16-PL	440	N/A	Posi-Lube
R104BT16-545	1,000 lbs.	R104BT16	545	N/A	Plain
R104BT16-545PL	1,000 lbs.	R104BT16-PL	545	N/A	Posi-Lube
R20484-545	1,750 lbs.	R20484	545	N/A	Plain
R20484-545PL	1,750 lbs.	R20484-PL	545	N/A	Posi-Lube



## WHEEL STUDS

PART #	APPLICATION	TYPE	SIZE
4758-Z	2K Quality	Drive-In	.5" - 20 x 1.625"
25-53	2K Dexter	Screw-In	.5" - 20 x 1.8125"
4759-Z	3.5K - 7K Quality Idlers / 3.5K Quality Drums	Drive-In	.5" - 20 x 1.84"
7-122	3.5K - 7K Dexter	Drive-In	.5" - 20 x 1.8125"
4759-20-Z	3.5K - 7K Quality Idlers / 3.5K Quality Drums	Drive-In	.5" - 20 x 2"
4759-25Z	5.2K - 7K Quality Drums	Drive-In	.5" - 20 x 2.5"
4759-26	7K Quality Idlers	Drive-In	.5625" - 18 x 2.562"
4759-27	8K Quality / 7K Quality Drums	Drive-In	.5625" - 18 x 3"
7-132	8K Dexter	Drive-In	.5625" - 18 x 2.3125"
363910	10K - 12K ORG, Hayes, Al-Ko	Drive-In	.625" - 18 x 2.75"
7-115	9K - 12K Dexter	Drive-In	.625" - 18 x 3.125"
4738-28	10K Quality One Piece Drum	Drive-In	.625" 18 x 2.75"
4759-30	10K Quality Two Piece Drum	Drive-In	.625" - 18 x 3.25"
4741-30	16K Quality	Drive-In	.975" - M22 x 1.5"



## WHEEL ATTACHING HARDWARE

PART #	TYPE	SIZE
4756	60 Degree Cone Nut	.5" - 20
4756-C	60 Degree Cone Nut, Chrome	.5" - 20
4756-SS	60 Degree Cone Nut, Stainless Steel	.5" - 20
40912	60 Degree Locking Cone Nut, Chrome (4 Pack w/Key)	.5" - 20
7-40	60 Degree Cone Wheel Bolt	.5" - 20 x .88"
4999-08	60 Degree Cone Wheel Bolt, Nylon Patch	.5" - 20 x .88"
4756-1	60 Degree Cone Nut	.5625" - 18
4756-2	90 Degree Cone Nut	.5625" - 18
X1048	90 Degree Cone Nut	.625" - 18
568216	Two Piece Swivel Flange Nut	.625" - 18
9065603	Two Piece Flange Nut	.75" - 16
WN333	Two Piece Swivel Flange Nut	M22 x1.5 x 31mm
WN7516PTFEC	Two Piece Swivel Flange Nut	.75" - 16
72-2140	Dual Wheel Tension Ring	8 on 6.5" Circle

- AXLES & COMPONENTS
- SUSPENSIONS & COMPONENTS
- BRAKES & COMPONENTS
- TIRES & WHEELS
- FENDERS & BODY
- JACKS & COUPLERS
- BRAKE CONTROL SYSTEMS
- TOWING & ACCESSORIES
- MARINE COMPONENTS
- HARDWARE & ACCESSORIES
- AGRICULTURAL COMPONENTS
- PAINT & LUBRICANTS
- LIGHTS & ELECTRICAL
- PACKAGED PRODUCTS

## MAINTENANCE & SERVICE

### HUB INSPECTION AND REMOVAL

#### A. Removal of Hub

1. Remove wheel.
2. Remove grease cap or bearing buddy.
3. Remove cotter pin.
4. Unscrew the spindle nut counter clockwise.
5. Remove spindle washer.
6. Remove hub from spindle.

#### B. Seal Inspection and Replacement

1. Seals should be replaced each time the hub is removed.
2. Pry the seal out of the hub with a screwdriver.
3. Tap new seal into place.

#### C. Bearing Maintenance, Adjustments, and Replacement

1. Inspect for corrosion and wear.
2. If any rust or wear exists on the bearing then remove and replace.
3. If bearings are found to be in good condition, then cleaning and repacking the grease is all that is needed.

*Note: Do not spin bearings with compressed air.*

1. Hand pack each bearing individually using a premium water resistant wheel bearing grease.
2. Reinstall the hub, reversing the procedure above using the bearing adjustment procedures below.
3. If you have the Posi-Lube system, remove the rubber plug and place grease gun (do not use air powered grease guns) onto the zerk. Pump in new grease until you see the old grease flowing back out the cap. Wipe off old grease with a towel. Be sure to re-install rubber plug.

#### D. Bearing Adjustment

1. Recommended Setting – The typical trailer hub uses a hardened washer and slotted hex nut for bearing adjustment. Hubs are usually set with a free-running clearance or

### Maintenance Schedule

ITEM	FUNCTION REQUIRED	3 MONTHS OR 3,000 MILES	6 MONTHS OR 6,000 MILES	12 MONTHS OR 12,000 MILES
Brakes	Test that they are operational	Before every use		
Brake Adjustment	Adjust to proper operating clearance	✓		
Brake Magnets	Inspect for wear and current draw		✓	
Brake Linings	Inspect for wear and contamination			✓
Brake Controller	Check for correct amperage and modulation		✓	
Brake Cylinders	Check for leaks, sticking			✓
Brake Lines	Inspect for cracks, leaks, kinks			✓
Trailer Brake Wiring	Inspect wiring for bare spots, fray, etc.			✓
Breakaway Systems	Check battery charge and switch operation	Before every use		
Hub / Drum	Check for abnormal wear or scoring			✓
Wheel Bearings & Cups	Inspect for corrosion or wear; clean and repack			✓
Seals	Inspect for leakage; replace if removed			✓
Springs	Inspect for wear, loss of arch			✓
Suspension Parts	Inspect for bending, loose fasteners, wear			✓
Hangers	Inspect welds			✓
Wheel Nuts and Bolts	Tighten to specified torque values	✓		
Wheels	Inspect for cracks, dents, or distortion	✓		
Tire Inflation Pressure	Inflate tires to mfg's. specifications	Before every use		
Tire Condition	Inspect for cuts, wear, bulging, etc.	✓		

endplay of 0.001" to 0.010". The use of a dial indicator is the only satisfactory method of checking adjustment.

2. Feel and Drag Method – Tighten slotted nut until hub drags slightly when rotated. (Rotating the hub while tightening the nut seats the bearing.) Loosen the slotted nut 1/6 turn (1 hex) to align nut slot with the cotter pin hole. Wheel should turn freely. Insert new cotter pin through nut and spindle. If necessary loosen, never tighten, nut to align slot with the hole in the spindle. Bend one leg of cotter pin over the end of the spindle and the other leg over the nut. Tap legs slightly to set. Cotter pin must be tight.
3. Torque Wrench Method – Make sure nut is loose. Tighten nut with torque wrench to an initial torque of 50 ft. lbs. (10-16K torque of 100 ft. lbs.) Loosen nut from initial torque and finger tighten. Insert new cotter pin through nut and spindle. If necessary loosen, never tighten, nut to align slot with the hole in the spindle. Bend one leg of cotter pin over the end of the spindle and the other leg over the nut. Tap legs slightly to set. Cotter pin must be tight.
4. Perform Dial Indicator Test – Attach Dial Indicator block to the wheel. With both hands, push the wheel towards the trailer. Set the sensory tip of the dial indicator against the outer edge of the spindle. Set the dial indicator to zero. Grasp the tire at the top and bottom and gently pull out. Check the reading on the dial indicator for the amount of endplay present in the bearing. (0.001" to 0.010") Re-adjust the bearing if required.