

Sterling Trucks

The following "Tire-Wheel-Axle Availability" charts are guidelines only. Use the Tire/Wheel capacity formulas beginning on page 11 to determine the precise tire/wheel capacity for your application.

L 7500 MODEL SINGLE REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
Tubeless Radial Tires		Front		Rear		Front (000)	Rear (000)
245/70R19.5 F (12)	7.50 10H	8,160	90	15,440	90	7	14/15/17.5
245/70R19.5 G (14)	7.50 10H	9,090	100	17,500	100	7/9	14/15/17.5
265/70R19.5 G (14)	7.50 10H	9,880	105	19,000	105		17.5
245/75R22.5 G (14)	7.50 10H 7.50 CS	9,350	120	17,200	110		14/15/17.5
255/70R22.5H (16)	7.50 10H	11,020	115	20,280	115	9/10/12	17.5/19/21
	7.50 CS 8.25 10H or AL					10/12	21
	8.25 CS						
265/75R22.5 G (14)	7.50 10H	10,410	110	19,220	100	9/10/12	17.5/19/21
	7.50 CS 8.25 10H or AL					10/12	
	8.25 CS						
295/75R22.5 G (14)	8.25 10H or AL 8.25 CS	12,350	110	22,700	100	10/12/13/14.6	21/23
	9.00 10H or AL 9.00 CS	12,350	110	—	—	12/13/14.6	N.A
	295/75R22.5 H (16)	8.25 10H or AL 8.25 CS	13,220	120	24,020	110	12/13/14.6/16
	9.00 10H or AL 9.00 CS	13,220	120	—	—		N.A.
235/80R22.5 G (14)	7.50 10H 7.50 CS	9,350	90	17,640	90	7/9	14/15/17.5
255/80R22.5 G (14)	7.50 10H	10,410	95	19,240	95	9/10/12	17.5/19/21
	7.50 CS 8.25 10H or AL					10/12	
	8.25 CS						
275/80R22.5 G (14)	8.25 10H or AL 8.25 CS	12,350	100	22,700	100	10/12/13/14.6	21/23
275/80R22.5 H (16)	8.25 10H or AL 8.25 CS	13,880	115	24,700	115	12/13/14.6/16	N.A.
295/80R22.5 H (16)	9.00 10H or AL 9.00 CS	14,780	115	—	—		
315/80R22.5 J (18)	9.00 10H or AL 9.00 CS	16,000	115	—	—		
315/80R22.5 L (20)*	9.00 10H or AL 9.00 CS	18,000	130	—	—	16	
385/65R22.5 J (18)	12.25 10H or AL	18,740	120	—	—	16	
	12.25 CS @	18,000	115				

@ – Restricted by 115 PSI Rim Rating.

* – Load range "L" (ply rating 20) tires are speed restricted. Refer to tire manufacturer for actual speed restriction.

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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L 7500 MODEL SINGLE REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY (continued)

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
		Front		Rear		Front (000)	Rear (000)
9R22.5 F (12)	7.50 10H 7.50 CS	9,000	105	15,800	95	7/9	15/17.5/19
10R22.5 F (12)	7.50 10H 7.50 CS	10,300	100	18,800	90	9/10	17.5/19
10R22.5 G (14)	7.50 10H 7.50 CS	11,340	115	19,880	105	9/10/12	17.5/19/21
11R22.5 G (14)	7.50 10H 7.50 CS	12,080	105	21,200	95	10/12	19/21
	8.25 10H or AL 8.25 CS					10/12/13	19/21/23
11R22.5 H (16)	8.25 10H or AL 8.25 CS	13,220	120	23,200	110	10/12/13/14.6/16	21/23
12R22.5 H (16)	8.25 10H or AL 8.25 CS	14,400	120	25,280	110	12/13/14.6/16	23
	9.00 10H or AL 9.00 CS	14,400	120	—	—		N.A.
285/75R24.5 G (14)	8.25 10H or AL	12,350	110	22,700	100	10/12/13/14.6	21/23
275/80R24.5 G (14)	8.25 10H or AL	12,350	100	22,700	100		
11R24.5 G (14)	8.25 10H or AL	12,860	105	22,560	95		
11R24.5 H (16)	8.25 10H or AL	14,060	120	24,680	110	12/13/14.6/16	23

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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LT 7500 MODEL TANDEM REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle		Tire & Wheel Availability by Axle (lbs.)			
Tubeless Radial Tires		Front	Rear	Front (000)	Rear (000)		
255/70R22.5H (16)	7.50 10H	11,020	115	—	—	9/10/12	N.A.
	7.50 CS						
	8.25 10H or AL					10/12	
	8.25 CS						
265/75R22.5 G (14)	7.50 10H	10,410	110	38,440	100	9/10/12	34/40
	7.50 CS						
	8.25 10H or AL					10/12	
	8.25 CS						
295/75R22.5 G (14)	8.25 10H or AL	12,350	110	45,400	100	10/12/13/14.6	34/40/46
	8.25 CS						
295/75R22.5 H (16)	9.00 10H or AL	12,350	110	—	—	12/13/14.6	N.A.
	9.00 CS						
	8.25 10H or AL	13,220	120	48,040	110	12/13/14.6/16	40/46
	8.25 CS						N.A.
255/80R22.5 G (14)	9.00 10H or AL	13,220	120	—	—		
	9.00 CS						
	7.50 10H	10,410	95	38,480	95	9/10/12	34/40
	7.50 CS						
8.25 10H or AL	10/12						
8.25 CS							
275/80R22.5 G (14)	8.25 10H or AL	12,350	100	45,400	100	10/12/13/14.6	34/40/46
	8.25 CS						
275/80R22.5 H (16)	8.25 10H or AL	13,880	115	49,400	115	12/13/14.6/16	40/46
	8.25 CS						
295/80R22.5 H (16)	9.00 10H or AL	14,780	115	—	—		N.A.
	9.00 CS						
315/80R22.5 J (18)	9.00 10H or AL	16,000	115	—	—	14.6/16/18	
	9.00 CS						
315/80R22.5 L (20)*	9.00 10H or AL	18,000	130	—	—	16/18	
	9.00 CS						
385/65R22.5 J (18)	12.25 10H or AL	18,740	120	—	—	16/18/20	
	12.25 CS @	18,000	115				
425/65R22.5 J (18)	12.25 10H or AL	21,000	110	—	—	18/20	
	12.25 CS	18,540	95				
425/65R22.5 L (20)*	12.25 10H	21,000	120	—	—		
	12.25 AL	22,000	120				

@ – Restricted by 115 PSI Rim Rating

* – Load range (ply rating 20) tires are speed restricted. Refer to tire manufacturer for actual speed restriction.

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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LT 7500 MODEL TANDEM REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY (continued)

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle		Tire & Wheel Availability by Axle (lbs.)	
		Front	Rear	Front (000)	Rear (000)
Tubeless Radial Tires					
9R22.5F (12)	7.50 10H 7.50 CS	9,000 105	— —	9	N.A.
10R22.5F (12)	7.50 10H 7.50 CS	10,300 100	39,000 100	9/10	34
10R22.5 G (14)	7.50 10H 7.50 CS	11,340 115	42,000 115	9/10/12	34/40
11R22.5 G (14)	7.50 10H 7.50 CS	12,080 105	42,400 95	10/12	34/40
	8.25 10H or AL 8.25 CS			10/12/13	34/40/46
11R22.5 H (16)	8.25 10H or AL 8.25 CS	13,220 120	46,400 110	10/12/13/14.6/16	40/46
12R22.5 H (16)	8.25 10H or AL 8.25 CS	14,400 120	50,560 110	12/13/14.6/16	
	9.00 10H or AL 9.00 CS	14,400 120	— —		
285/75R24.5 G (14)	8.25 10H or AL	12,350 110	45,400 100	10/12/13/14.6	34/40/46
275/80R24.5 G (14)	8.25 10H or AL	12,350 100	45,400 100		
11R24.5 G (14)	8.25 10H or AL	12,860 105	45,120 95		
11R24.5 H (16)	8.25 10H or AL	14,060 120	49,360 110	12/13/14.6/16	40/46

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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The following “Tire-Wheel-Axle Availability” charts are **guidelines only**. Use the Tire/Wheel capacity formulas beginning on page 7 to determine the precise tire/wheel capacity for your application.

L 8500-9500 MODELS SINGLE REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
Tubeless Radial Tires		Front		Rear		Front (000)	Rear (000)
255/70R22.5H (16)	7.50 10H	11,020	115	20,280	115	10/12	19/21
	7.50 CS						21
	8.25 10H or AL					10/12	
	8.25 CS						
265/75R22.5 G (14)	7.50 10H	10,410	110	19,220	100	10/12	17.5/19/21
	7.50 CS						
	8.25 10H or AL					10/12	
	8.25 CS						
295/75R22.5 G (14)	8.25 10H or AL	12,350	110	22,700	100	10/12/13/14.6	21/23
	8.25 CS					12/13/14.6	N.A
	9.00 10H or AL	12,350	110	——	——		
	9.00 CS						
295/75R22.5 H (16)	8.25 10H or AL	13,220	120	24,020	110	12/13/14.6/16	21/23
	8.25 CS					N.A.	
	9.00 10H or AL	13,220	120	——	——		
	9.00 CS						
255/80R22.5 G (14)	7.50 10H	10,410	95	19,240	95	10/12	17.5/19/21
	7.50 CS						
	8.25 10H or AL					10/12	
	8.25 CS						
275/80R22.5 G (14)	8.25 10H or AL	12,350	100	22,700	100	10/12/13/14.6	21/23
275/80R22.5 H (16)	8.25 10H or AL	13,880	115	24,700	115	12/13/14.6/16	
295/80R22.5 H (16)	9.00 10H or AL	14,780	115	——	——	14.6/16/18	N.A.
315/80R22.5 J (18)	9.00 10H or AL	16,000	115	——	——		
315/80R22.5 L (20)*	9.00 CS	18,000	130	——	——		
385/65R22.5 J (18)	9.00 CS	21,000	110	——	——		
425/65R22.5 J (18)	12.25 10H or AL	18,740	120	——	——	16/18/20	
	12.25 CS @	18,000	115				
425/65R22.5 L (20)*	12.25 10H or AL	21,000	120	——	——	18/20	
	12.25 CS	18,540	95				
425/65R22.5 L (20)*	12.25 10H	21,000	120	——	——	18/20	
	12.25 AL	22,000	120				

@ – Restricted by 115 PSI Rim Rating.

* – Load range “L” (ply rating 20) tires are speed restricted. Refer to tire manufacturer for actual speed restriction.

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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L 8500-9500 MODELS SINGLE REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY (continued)

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
		Front		Rear		Front (000)	Rear (000)
Tubeless Radial Tires							
10R22.5 F (12)	7.50 10H 7.50 CS	10,300	100	18,800	90	10	17.5/19
10R22.5 G (14)	7.50 10H 7.50 CS	11,340	115	19,880	105	10/12	17.5/19/21
11R22.5 G (14)	7.50 10H 7.50 CS	12,080	105	21,200	95	10/12	19/21
	8.25 10H or AL 8.25 CS					10/12/13	19/21/23
11R22.5 H (16)	8.25 10H or AL 8.25 CS	13,220	120	23,200	110	10/12/13/14.6/16	21/23
12R22.5 H (16)	8.25 10H or AL 8.25 CS	14,400	120	25,280	110	12/13/14.6/16	23
	9.00 10H or AL 9.00 CS	14,400	120	—	—		N.A.
285/75R24.5 G (14)	8.25 10H or AL	12,350	110	22,700	100	10/12/13/14.6	21/23
275/80R24.5 G (14)	8.25 10H or AL	12,350	100	22,700	100		
11R24.5 G (14)	8.25 10H or AL	12,860	105	22,560	95		
11R24.5 H (16)	8.25 10H or AL	14,060	120	24,680	110	12/13/14.6/16	23

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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LT 8500-9500 MODELS TANDEM REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle		Tire & Wheel Availability by Axle (lbs.)	
Tubeless Radial Tires		Front	Rear	Front (000)	Rear (000)
255/70R22.5H (16)	7.50 10H	11,020 115	—— —	10/12	N.A.
	7.50 CS				
	8.25 10H or AL				
	8.25 CS			10/12	
265/75R22.5 G (14)	7.50 10H	10,410 110	38,440 100	10/12	34/40
	7.50 CS				
	8.25 10H or AL				
	8.25 CS			10/12	
295/75R22.5 G (14)	8.25 10H or AL	12,350 110	45,400 100	10/12/13/14.6	34/40/46
	8.25 CS				
		9.00 10H or AL	12,350 110	—— —	12/13/14.6
	9.00 CS				
295/75R22.5 H (16)	8.25 10H or AL	13,220 120	48,040 110	12/13/14.6/16	40/46
	8.25 CS				
		9.00 10H or AL	13,220 120		—— —
	9.00 CS				
255/80R22.5 G (14)	7.50 10H	10,410 95	38,480 95	10/12	34/40
	7.50 CS				
	8.25 10H or AL				
	8.25 CS			10/12	
275/80R22.5 G (14)	8.25 10H or AL	12,350 100	45,400 100	10/12/13/14.6	34/40/46
	8.25 CS				
275/80R22.5 H (16)	8.25 10H or AL	13,880 115	49,400 115	12/13/14.6/16	40/46
	8.25 CS				
295/80R22.5 H (16)	9.00 10H or AL	14,780 115	—— —		N.A.
	9.00 CS				
315/80R22.5 J (18)	9.00 10H or AL	16,000 115	—— —	14.6/16/18	
	9.00 CS				
315/80R22.5 L (20)*	9.00 10H or AL	18,000 130	—— —	16/18	
	9.00 CS				
385/65R22.5 J (18)	12.25 10H or AL	18,740 120	—— —	16/18/20	
	12.25 CS @	18,000 115			
425/65R22.5 J (18)	12.25 10H or AL	21,000 110	—— —	18/20	
	12.25 CS	18,540 95			
425/65R22.5 L (20)*	12.25 10H	21,000 120	—— —		
	12.25 AL	22,000 120			
	12.25 CS				

@ – Restricted by 115 PSI Rim Rating

* – Load range (ply rating 20) tires are speed restricted. Refer to tire manufacturer for actual speed restriction.

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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LT 8500-9500 MODELS TANDEM REAR AXLE TIRE-WHEEL-AXLE AVAILABILITY (continued)

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
		Front		Rear		Front (000)	Rear (000)
Tubeless Radial Tires							
10R22.5F (12)	7.50 10H 7.50 CS	10,300	100	39,000	100	10	34
10R22.5 G (14)	7.50 10H 7.50 CS	11,340	115	42,000	115	10/12	34/40
11R22.5 G (14)	7.50 10H 7.50 CS	12,080	105	42,400	95	10/12	34/40
	8.25 10H or AL 8.25 CS					10/12/13	34/40/46
11R22.5 H (16)	8.25 10H or AL 8.25 CS	13,220	120	46,400	110	10/12/13/14.6/16	40/46
12R22.5 H (16)	8.25 10H or AL 8.25 CS	14,400	120	50,560	110	12/13/14.6/16	
	9.00 10H or AL 9.00 CS	14,400	120	—	—		N.A.
285/75R24.5 G (14)	8.25 10H or AL	12,350	110	45,400	100	10/12/13/14.6	34/40/46
275/80R24.5 G (14)	8.25 10H or AL	12,350	100	45,400	100		
11R24.5 G (14)	8.25 10H or AL	12,860	105	45,120	95		
11R24.5 H (16)	8.25 10H or AL	14,060	120	49,360	110	12/13/14.6/16	40/46

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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A 9500 SINGLE AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
		Front		Rear		Front (000)	Rear (000)
Tubeless Radial Tires							
295/75R22.5 G (14)	8.25 10H or AL	12,350	110	22,700	100	12/13/14.6	21/23
	9.00 10H or AL	12,350	110	—	—		N.A.
295/75R22.5 H (16)	8.25 10H or AL	13,220	120	24,020	100		21/23
	9.00 10H or AL	13,220	120	—	—		N.A.
275/80R22.5 G (14)	8.25 10H or AL	12,350	100	22,700	100		21/23
275/80R22.5 H (16)	8.25 10H or AL	13,880	115	24,700	115		
295/80R22.5 H (16)	9.00 10H or AL	14,780	115	—	—	14.6	N.A.
315/80R22.5 J (18)	9.00 10H or AL	16,000	115	—	—		
11R22.5 G (14)	8.25 10H or AL	12,080	105	21,200	95	12/13	21/23
11R22.5 H (16)	8.25 10H or AL	13,220	120	23,200	110	12/13/14.6	
285/75R24.5 G (14)	8.25 10H or AL	12,350	110	22,700	100		
275/80R24.5 G (14)	8.25 10H or AL	12,350	100	22,700	100		
11R24.5 G (14)	8.25 10H or AL	12,860	105	22,560	95		
11R24.5 H (16)	8.25 10H or AL	14,060	120	24,680	110		

AT 9500 TANDEM AXLE TIRE-WHEEL-AXLE AVAILABILITY

Tire Size, Load Range (PR)	Wheel Width (in.) & Type	Generic Maximum Tire & Wheel Capacity (lbs.) @ PSI by Axle				Tire & Wheel Availability by Axle (lbs.)	
		Front		Rear		Front (000)	Rear (000)
Tubeless Radial Tires							
295/75R22.5 G (14)	8.25 10H or AL	12,350	110	45,400	100	12/13/14.6	34/40/46
	9.00 10H or AL	12,350	110	—	—		N.A.
295/75R22.5 H (16)	8.25 10H or AL	13,220	120	48,040	100		40/46
	9.00 10H or AL	13,220	120	—	—		N.A.
275/80R22.5 G (14)	8.25 10H or AL	12,350	100	45,400	100		34/40/46
275/80R22.5 H (16)	8.25 10H or AL	13,880	115	49,400	115		40
295/80R22.5 H (16)	9.00 10H or AL	14,780	115	—	—	14.6	N.A.
315/80R22.5 J (18)	9.00 10H or AL	16,000	115	—	—		
11R22.5 G (14)	8.25 10H or AL	12,080	105	42,400	95	12/13	34/40/46
11R22.5 H (16)	8.25 10H or AL	13,220	120	46,400	110	12/13/14.6	40/46
285/75R24.5 G (14)	8.25 10H or AL	12,350	110	45,400	100		34/40/46
275/80R24.5 G (14)	8.25 10H or AL	12,350	100	45,400	100		
11R24.5 G (14)	8.25 10H or AL	12,860	105	45,120	95		40/46
11R24.5 H (16)	8.25 10H or AL	14,060	120	49,360	110		

Also see Tire-Wheel Axle Restrictions on page 10 of this section.

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TIRE-WHEEL-AXLE RESTRICTIONS

- Ground ratings are for vehicles in normal highway service and are the maximums for the tire-wheel combinations shown. Any questions regarding the load carrying of any specific tire should be directed to the appropriate tire manufacturer.
- Polished aluminum wheels are avail. on front and/or rear (only outer surface of front and outer rear wheel of duals is polished); N/A w/22.5"x7.5" wheels.
- All tubeless wheels or rims are 1-piece only.

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HOW TO CALCULATE FRONT AXLE TIRE AND WHEEL CAPACITY

- 1) Multiply single tire rating from Table 1 by 2.
- 2) Compare:
 - a) Tire load rating calculated in step 1 to front axle wheel capacity from Table 2...
 - use lower of the two values.
 - b) Tire pressure rating for single tire load from Table 1 to wheel capacity rating from Table 2...
 - If the tire pressure rating is greater than the wheel capacity, use this value with the load capacity from step 2a.
 - If the tire pressure rating is greater than the wheel capacity, use this value and consult tire manufacturer for tire load capacity at this pressure. Compare tire load capacity at this pressure to wheel load capacity and use the lower of the two for load capacity rating.

Example:

**L/LT 8500 with 12,000 lb. front axle,
10R22.5G Goodyear G159 Tires,
and 22.5x7.50 10-hole ISO Steel
Disc Wheels.**

Step 1) Single Tire Rating from Table 1	5,680 lb.
	x 2
Tire Load Rating	11,360 lb.
Step 2a) Tire load Rating (Step 1)	
Wheel Capacity rating (Table 2)	11,360 lb. 12,400 lb.
Tire load rating 11,360 lb., is less than wheel capacity, 12,400 lb.; use tire load rating.	
Tire and Wheel Capacity	11,360 lb.
Step 2b) Tire Pressure Rating from Table 1	115 psi
Pressure rating for wheel from Table 2	120 psi
Tire pressure rating, 115 psi, is less than wheel capacity, 120 psi, use tire pressure rating and tire and wheel capacity from Step 2a.	
Tire Wheel Capacity Single Rear Axle	11,360 lb. @ 115 psi

HOW TO CALCULATE SINGLE REAR AXLE TIRE AND WHEEL CAPACITY

- 1) Multiply dual tire rating from Table 1 by 4.
- 2) Compare:
 - a) Tire load rating calculated in step 1 to rear axle wheel capacity from Table 2...
 - use lower of the two values.
 - b) Tire pressure rating for dual tire load from Table 1 to wheel capacity rating from Table 2...
 - If the tire pressure rating is greater than the wheel capacity, use this value with the load capacity from step 2a.
 - If the tire pressure rating is greater than the wheel capacity, use this value and consult tire manufacturer for tire load capacity at this pressure. Compare tire load capacity at this pressure to wheel load capacity and use the lower of the two for load capacity rating.

Example:

**L 8500 with 21,000 lb. rear axle,
11R22.5G Goodyear G124 Tires,
and 22.5x8.25 10-hole ISO Steel
Disc Wheels.**

Step 1) Dual Tire Rating from Table 1	5,750 lb.
	x 4
Tire Load Rating	23,000 lb.
Step 2a) Tire load Rating (Step 1)	
Wheel Capacity rating (Table 2)	23,000 lb. 29,200 lb.
Tire load rating 23,000 lb., is less than wheel capacity, 29,200 lb., use tire load rating.	
Tire and Wheel Capacity	23,000 lb.
Step 2b) Tire Pressure Rating from Table 1	105 psi
Pressure rating for wheel from Table 2	120 psi
Tire pressure rating, 105 psi, is less than wheel capacity, 120 psi, use tire pressure rating and tire and wheel capacity from Step 2a.	
Tire Wheel Capacity Single Rear Axle	23,000 lb. @ 105 psi

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HOW TO CALCULATE TANDEM REAR AXLE TIRE AND WHEEL CAPACITY

- 1) Multiply dual tire rating from Table 1 by 8.
- 2) Multiply rear axle wheel capacity from Table 2 by 2.
- 3) Compare:
 - a) Tire load rating calculated in step 1 to rear axle wheel capacity calculated in step 2...
 - use lower of the two values.
 - b) Tire pressure rating for dual tire load from Table 1 to wheel capacity rating from Table 2...
 - If the tire pressure rating is less than the wheel capacity, use this value with the load capacity from step 3a.
 - If the tire pressure rating is greater than the wheel capacity, use this value and consult tire manufacturer for tire load capacity at this pressure. Compare tire load capacity at this pressure to wheel load capacity and use the lower of the two for load capacity rating.

Example:

AT 9500 with 40,000 lb. rear axle, 11R22.5G Goodyear G124 Tires, and 22.5x8.25 10-hole ISO Steel Disc Wheels.

Step 1) Dual Tire Rating from Table 1	5,750 lb.
	<u>x 8</u>
Tire Load Rating	46,000 lb.

Step 2) Rear Axle Capacity from Table 2	29,200 lb.
	<u>x 2</u>
Wheel Capacity	58,400 lb.

Step 3) Tire Load Rating (Step 1)	46,000 lb.
3a) Wheel Capacity Rating (Step 2)	58,400 lb.

Tire load rating, 46,000 lb., is less than wheel capacity, 58,400 lb., use tire load rating.

Tire and Wheel Capacity	46,000 lb.
Step 3b) Tire pressure Rating from table 1	105 psi
Pressure rating for wheel from Table 2	120 psi

Tire pressure rating, 105 psi, is less than wheel capacity, 120 psi, use tire pressure rating and tire and wheel capacity from Step 3a.

Tire Wheel Capacity Tandem Rear Axle 46,000 lb. @ 105 psi

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TABLE 1 – TIRE LOAD RATINGS BY MANUFACTURER

RPO TIRE AVAILABILITY								
TUBELESS	MICHELIN		GOODYEAR		BRIDGESTONE		GENERAL	
SIZE	SINGLE	DUAL	SINGLE	DUAL	SINGLE	DUAL	SINGLE	DUAL
245/70R19.5F	4080 @ 90	3860 @ 90	4080 @ 85	3875 @ 85	—	—	—	—
245/70R19.5G	4805 @ 110	4540 @ 110	4545 @ 100	4375 @ 100	4545 @ 100	4375 @ 100	—	—
265/70R19.56	4940 @ 105	4750 @ 105	5000 @ 110	4750 @ 110	—	—	—	—
235/80R22.5G	4675 @ 90	4410 @ 90	—	—	—	—	—	—
245/75R22.5G	—	—	4675 @ 120	4300 @ 110	—	—	4675 @ 110	4300 @ 100
255/70R 22.5H	5510 @ 115	5070 @ 115	5510 @ 115	5070 @ 115	5510 @ 115	5070 @ 115	—	—
255/80R 22.5G	5205 @ 95	4810 @ 95	—	—	—	—	—	—
265/75R 22.5G	—	—	5205 @ 110	4805 @ 100	—	—	5205 @ 110	4805 @ 100
275/80R 22.5G	6175 @ 100	5675 @ 100	—	—	—	—	—	—
275/80R 22.5H	6940 @ 115	6175 @ 115	—	—	—	—	—	—
295/75R 22.5G	—	—	6175 @ 110	5675 @ 100	6175 @ 110	5675 @ 100	6175 @ 110	5675 @ 100
295/75R 22.5H	—	—	6610 @ 120	6005 @ 110	—	—	6610 @ 120	6005 @ 110
295/80R 22.5H	7390 @ 115	6780 @ 115	7390 @ 115	6610 @ 115	—	—	—	—
315/80R 22.5J	8270 @ 115	7385 @ 115	8270 @ 120	7610 @ 120	—	—	8270 @ 120	7165 @ 120
385/65R 22.5J	9370 @ 125	—	9370 @ 120	—	9370 @ 120	—	—	—
425/65R 22.5J	—	—	10500 @ 110	—	—	—	—	—
315/80R 22.5L	9000 @ 130	—	9000 @ 130	—	9000 @ 130	—	—	—
425/65R 22.5L	11400 @ 125	—	—	—	11350 @ 120	—	—	—
445/65R 22.5L	—	—	12300 @ 120	—	—	—	—	—
09R 22.5F	4540 @ 95	4300 @ 95	4500 @ 105	3950 @ 95	4500 @ 105	3950 @ 95	4500 @ 105	3950 @ 95
10R 22.5F	5150 @ 95	4740 @ 95	5150 @ 100	4875 @ 100	5150 @ 100	4875 @ 100	5150 @ 100	4520 @ 90
10R 22.5G	5680 @ 105	5080 @ 105	5680 @ 115	5250 @ 115	5680 @ 115	5250 @ 115	5670 @ 115	4970 @ 105
11R 22.5G	6175 @ 100	5675 @ 100	6175 @ 105	5750 @ 105	6175 @ 105	5750 @ 105	6040 @ 105	5300 @ 95
11R 22.5H	6610 @ 115	5950 @ 115	6610 @ 120	5800 @ 110	6610 @ 120	5800 @ 110	6610 @ 120	5800 @ 110
12R 22.5H	7390 @ 115	6610 @ 115	7390 @ 120	6750 @ 110	—	—	7200 @ 120	6320 @ 110
275/80R 24.5G	6175 @ 100	5675 @ 100	—	—	—	—	—	—
285/75R 24.5G	—	—	6175 @ 110	5675 @ 100	6175 @ 110	5675 @ 100	6175 @ 110	5675 @ 100
11R 24.5G	6430 @ 100	5790 @ 100	6430 @ 105	6000 @ 105	6430 @ 105	6000 @ 105	6430 @ 105	5640 @ 95
11R 24.5H	7030 @ 115	6330 @ 115	7030 @ 120	6170 @ 110	7030 @ 120	6170 @ 110	7030 @ 120	6170 @ 110

TABLE 2 – WHEEL CAPACITY RATINGS

		MAXIMUM WHEEL CAPACITY (lb.) BY AXLE		
WHEEL SIZE (in.)	WHEEL WIDTH (in.) AND TYPE	FRONT	REAR	PSI (cold)
TUBELESS TYPE WHEELS				
19.5	7.50 10H ISO	13,400	26,800	120
22.5	7.50 10H ISO	12,400	24,800	120
22.5	7.50 CS	13,220	26,440	120
22.5	8.25 10H ISO	14,800	29,200	120
22.5	8.25 10H ISO AL	14,500	29,000	120
22.5 STYLED	8.25 10H ISO AL	14,400	28,800	120
22.5	8.25 CS	16,000	32,000	120
22.5	9.00 10H ISO	20,000	—	130
22.5	9.00 10H ISO AL	18,000	—	130
22.5	9.00 CS	20,000	—	130
22.5	12.25 10H ISO	21,000	—	120
22.5	12.25 CS	18,540	—	115
24.5	8.25 10H ISO	14,400	28,800	120
24.5	8.25 10H ISO AL	14,400	28,800	120
24.5 STYLED	8.25 10H ISO AL	14,400	28,800	120